

| Modicon start addr. | Start addr. (*1) | Size    | Format                    | GC3000XT ID<br>Direct Access (32=INT32) | Description                                                       | Multiplier<br>(BUS-data * Multiplier = real value)     | Units | Comment |
|---------------------|------------------|---------|---------------------------|-----------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------|-------|---------|
| 450001              | 450000           | 16 bits | signed                    |                                         | Protocoll-ID, always 5022                                         |                                                        | --    |         |
| 450002              | 450001           | 16 bits | signed                    | 3181                                    | Scaling Power (16 bits) Exponent 10 <sup>3</sup> KW (5;4;3;2;1;0) |                                                        |       |         |
| 450003              | 450002           | 16 bits | signed                    | 3182                                    | Scaling Volts (16 bits) Exponent 10 <sup>3</sup> V (2;1;0;-1)     |                                                        |       |         |
| 450004              | 450003           | 16 bits | signed                    | 3183                                    | Scaling Amps (16 bits) Exponent 10 <sup>3</sup> A (0;-1)          |                                                        |       |         |
| 450005              | 450004           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450006              | 450005           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450007              | 450006           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450008              | 450007           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450009              | 450008           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450010              | 450009           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450011              | 450010           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450012              | 450011           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450013              | 450012           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450014              | 450013           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450015              | 450014           | 16 bits |                           |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450016              | 450015           | 16 bits |                           | 10110                                   | Voltage Power supply device                                       | 0.1                                                    | V     |         |
|                     |                  | Topic   | AC Generator Group values |                                         |                                                                   |                                                        |       |         |
| 450017              | 450016           | 16 bits | signed                    | 144                                     | Generator Group frequency                                         | 0.01                                                   | Hz    |         |
| 450018              | 450017           | 16 bits | signed                    | 248                                     | Generator Group voltage L1-L2                                     | scalled defiened by index 3182 (modicon Adress 450003) | V     |         |
| 450019              | 450018           | 16 bits | signed                    | 249                                     | Generator Group voltage L2-L3                                     | scalled defiened by index 3182 (modicon Adress 450003) | V     |         |
| 450020              | 450019           | 16 bits | signed                    | 250                                     | Generator Group voltage L3-L1                                     | scalled defiened by                                    | V     |         |
| 450021              | 450020           | 16 bits | signed                    | 251                                     | Generator Group voltage L1-N                                      | scalled defiened by                                    | V     |         |
| 450022              | 450021           | 16 bits | signed                    | 252                                     | Generator Group voltage L2-N                                      | scalled defiened by                                    | V     |         |
| 450023              | 450022           | 16 bits | signed                    | 253                                     | Generator Group voltage L3-N                                      | scalled defiened by                                    | V     |         |
| 450024              | 450023           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450025              | 450024           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450026              | 450025           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450027              | 450026           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450028              | 450027           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450029              | 450028           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450030              | 450029           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450031              | 450030           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450032              | 450031           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450033              | 450032           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450034              | 450033           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450035              | 450034           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450036              | 450035           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450037              | 450036           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
|                     |                  | Topic   | AC Load Busbar values     |                                         |                                                                   |                                                        |       |         |
| 450038              | 450037           | 16 bits | signed                    | 209                                     | Load Busbar: Frequency                                            | 0.01                                                   | Hz    |         |
| 450039              | 450038           | 16 bits | signed                    | 254                                     | Load busbar voltage L1-L2                                         | scalled defiened by                                    | V     |         |
| 450040              | 450039           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450041              | 450040           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450042              | 450041           | 16 bits | signed                    | 281                                     | Load busbar voltage L1-N                                          | scalled defiened by                                    | V     |         |
| 450043              | 450042           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450044              | 450043           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450045              | 450044           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450046              | 450045           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450047              | 450046           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450048              | 450047           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450049              | 450048           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450050              | 450049           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450051              | 450050           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450052              | 450051           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
|                     |                  | Topic   | AC Mains values           |                                         |                                                                   |                                                        |       |         |
| 450053              | 450052           | 16 bits | signed                    | 147                                     | Mains frequency                                                   | 0.01                                                   | Hz    |         |
| 450054              | 450053           | 16 bits | signed                    | 260                                     | Mains voltage L1-L2                                               | scalled defiened by                                    | V     |         |
| 450055              | 450054           | 16 bits | signed                    | 261                                     | Mains voltage L2-L3                                               | scalled defiened by                                    | V     |         |
| 450056              | 450055           | 16 bits | signed                    | 262                                     | Mains voltage L3-L1                                               | scalled defiened by                                    | V     |         |
| 450057              | 450056           | 16 bits | signed                    | 263                                     | Mains voltage L1-N                                                | scalled defiened by                                    | V     |         |
| 450058              | 450057           | 16 bits | signed                    | 264                                     | Mains voltage L2-N                                                | scalled defiened by                                    | V     |         |
| 450059              | 450058           | 16 bits | signed                    | 265                                     | Mains voltage L3-N                                                | scalled defiened by                                    | V     |         |
| 450060              | 450059           | 16 bits | signed                    |                                         | Mains active power (AI1)                                          | scalled defiened by index 3181 (modicon Adress 450002) | W     |         |
| 450061              | 450060           | 16 bits | signed                    |                                         | Mains reactive power (AI2)                                        | scalled defiened by index 3181 (modicon Adress 450002) | var   |         |
| 450062              | 450061           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450063              | 450062           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450064              | 450063           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450065              | 450064           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450066              | 450065           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450067              | 450066           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450068              | 450067           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450069              | 450068           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450070              | 450069           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450071              | 450070           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450072              | 450071           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
| 450073              | 450072           | 16 bits | signed                    |                                         | 0 (reserve)                                                       |                                                        |       |         |
|                     |                  | Topic   | Discrete inputs           |                                         |                                                                   |                                                        |       |         |
| 450074              | 450073           | 16 bits | bit array                 | 284                                     | Digital Inputs 1 active                                           |                                                        |       |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 8000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 4000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 2000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 1000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 12                                                 | Mask: 0800h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 11                                                 | Mask: 0400h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 10                                                 | Mask: 0200h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 9                                                  | Mask: 0100h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 8                                                  | Mask: 0080h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 7                                                  | Mask: 0040h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 6                                                  | Mask: 0020h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 5                                                  | Mask: 0010h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 4                                                  | Mask: 0008h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 3                                                  | Mask: 0004h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 2                                                  | Mask: 0002h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Discrete input 1                                                  | Mask: 0001h                                            | Bit   |         |
| 450075              | 450074           | 16 bits | bit array                 |                                         | Internal                                                          |                                                        |       |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 8000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 4000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 2000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 1000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0800h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0400h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0200h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0100h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0080h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0040h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0020h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0010h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0008h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0004h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0002h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 0001h                                            | Bit   |         |
|                     |                  | Topic   | Discrete Outputs          |                                         |                                                                   |                                                        |       |         |
| 450076              | 450075           | 16 bits | bit array                 | 286                                     | Relay Outputs 1                                                   |                                                        |       |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 8000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 4000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 2000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Internal                                                          | Mask: 1000h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 12                                                   | Mask: 0800h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 11                                                   | Mask: 0400h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 10                                                   | Mask: 0200h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 9                                                    | Mask: 0100h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 8                                                    | Mask: 0080h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 7                                                    | Mask: 0040h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 6                                                    | Mask: 0020h                                            | Bit   |         |
|                     |                  |         |                           |                                         | Relay-Output 5                                                    | Mask: 0010h                                            | Bit   |         |

| Modicon start<br>addr. | Start addr.<br>(*1) | Size    | Format                   | GC3000XT<br>ID<br>Direct Access<br>(32=INT32) | Description                        | Multiplier<br><br>(BUS-data<br>* Multiplier<br>= real value) | Units | Comment                                                                                                                                    |
|------------------------|---------------------|---------|--------------------------|-----------------------------------------------|------------------------------------|--------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
|                        |                     |         |                          |                                               | Relay-Output 4                     | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | Relay-Output 3                     | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | Relay-Output 2                     | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | Relay-Output 1 (Self-test-relay)   | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450077                 | 450076              | 16 bits | bit array                | 10109                                         | internal                           |                                                              |       |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
|                        |                     | Topic   | Segmenting               |                                               |                                    |                                                              |       |                                                                                                                                            |
| 450078                 | 450077              | 16 bits | unsigned                 | 1723                                          | Own Group Basic Segment number     |                                                              |       |                                                                                                                                            |
| 450079                 | 450078              | 16 bits | unsigned                 | 7666                                          | Own Group allocated Segment number |                                                              |       |                                                                                                                                            |
| 450080                 | 450079              | 16 bits |                          |                                               | internal                           |                                                              |       |                                                                                                                                            |
| 450081                 | 450080              | 16 bits |                          |                                               | internal                           |                                                              |       |                                                                                                                                            |
| 450082                 | 450081              | 16 bits |                          |                                               | internal                           |                                                              |       |                                                                                                                                            |
| 450083                 | 450082              | 16 bits |                          |                                               | internal                           |                                                              |       |                                                                                                                                            |
|                        |                     | Topic   | State my Group           |                                               |                                    |                                                              |       |                                                                                                                                            |
| 450084                 | 450083              | 16 bits | bit array                | 388                                           | Binary states                      |                                                              |       |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450085                 | 450084              | 16 bits | signed                   | -                                             | P nominal                          | scalled defiened by<br>index 3181 (modicon<br>Adress 450002) | kW    |                                                                                                                                            |
| 450086                 | 450085              | 16 bits | signed                   | -                                             | P actual                           | scalled defiened by<br>index 3181 (modicon<br>Adress 450002) | kW    |                                                                                                                                            |
| 450087                 | 450086              | 16 bits | signed                   | -                                             | Load in %                          | 0.1                                                          | %     |                                                                                                                                            |
| 450088                 | 450087              | 16 bits | signed                   | -                                             | Q actual                           | scalled defiened by<br>index 3181 (modicon<br>Adress 450002) | kvar  |                                                                                                                                            |
| 450089                 | 450088              | 16 bits | wigned                   | -                                             | Reactive load in %                 | 0.1                                                          | %     |                                                                                                                                            |
| 450090                 | 450089              | 16 bits | unsigned                 | 7666                                          | Allocated Segment number           | 1                                                            |       |                                                                                                                                            |
|                        |                     | Topic   | Communication Diagnostic |                                               |                                    |                                                              |       |                                                                                                                                            |
|                        |                     |         |                          |                                               | Diagnostic easYgens in own group   |                                                              |       |                                                                                                                                            |
| 450091                 | 450090              | 16 bits | bit array                | 7802                                          | easYgen 1-5 System status          |                                                              |       |                                                                                                                                            |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed |
|                        |                     |         |                          |                                               | easYgen 5 Bit 2                    | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 5 Bit 1                    | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 5 Bit 0                    | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 4 Bit 2                    | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 4 Bit 1                    | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 4 Bit 0                    | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 3 Bit 2                    | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 3 Bit 1                    | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 3 Bit 0                    | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 2 Bit 2                    | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 2 Bit 1                    | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 2 Bit 0                    | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 1 Bit 2                    | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 1 Bit 1                    | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 1 Bit 0                    | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450092                 | 450091              | 16 bits | bit array                | 7835                                          | easYgen 1-5 Communication (LED)    |                                                              |       | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                        |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 5 Bit 2                    | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 5 Bit 1                    | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 5 Bit 0                    | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 4 Bit 2                    | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 4 Bit 1                    | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 4 Bit 0                    | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 3 Bit 2                    | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 3 Bit 1                    | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 3 Bit 0                    | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 2 Bit 2                    | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 2 Bit 1                    | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 2 Bit 0                    | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 1 Bit 2                    | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 1 Bit 1                    | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 1 Bit 0                    | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450093                 | 450092              | 16 bits | bit array                | 7803                                          | easYgen 6-10 System status         |                                                              |       | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 10 Bit 2                   | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 10 Bit 1                   | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 10 Bit 0                   | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 9 Bit 2                    | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 9 Bit 1                    | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 9 Bit 0                    | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 8 Bit 2                    | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 8 Bit 1                    | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 8 Bit 0                    | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 7 Bit 2                    | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 7 Bit 1                    | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 7 Bit 0                    | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 6 Bit 2                    | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 6 Bit 1                    | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 6 Bit 0                    | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450094                 | 450093              | 16 bits | bit array                | 7836                                          | easYgen 6-10 Communication (LED)   |                                                              |       | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                        |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 10 Bit 2                   | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 10 Bit 1                   | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 10 Bit 0                   | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 9 Bit 2                    | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 9 Bit 1                    | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 9 Bit 0                    | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 8 Bit 2                    | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 8 Bit 1                    | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 8 Bit 0                    | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 7 Bit 2                    | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 7 Bit 1                    | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 7 Bit 0                    | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 6 Bit 2                    | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 6 Bit 1                    | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 6 Bit 0                    | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450095                 | 450094              | 16 bits | bit array                | 7804                                          | easYgen 11-15 System status        |                                                              |       | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recoonized                                                              |
|                        |                     |         |                          |                                               | internal                           | Mask: 8000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 15 Bit 2                   | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |                          |                                               | easYgen 15 Bit 1                   | Mask: 2000h                                                  | Bit   |                                                                                                                                            |

| Modicon start<br>addr. | Start addr.<br>(*1) | Size    | Format    | GC3000XT<br>ID<br>Direct Access<br>(32=INT32) | Description                       | Multiplier<br><br>(BUS-data<br>* Multiplier<br>= real value) | Units | Comment                                                                                                                                    |
|------------------------|---------------------|---------|-----------|-----------------------------------------------|-----------------------------------|--------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
|                        |                     |         |           |                                               | easYgen 15 Bit 0                  | Mask: 1000h                                                  | Bit   | 3 = Add device<br>4 = Unit available<br>5 = Not installed                                                                                  |
|                        |                     |         |           |                                               | easYgen 14 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 14 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 14 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 13 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 13 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 13 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 12 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 12 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 12 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 11 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 11 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 11 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450096                 | 450095              | 16 bits | bit array | 7837                                          | easYgen 11-15 Communication (LED) |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                        |
|                        |                     |         |           |                                               | easYgen 15 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 15 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 15 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 14 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 14 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 14 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 13 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 13 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 13 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 12 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 12 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 12 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 11 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 11 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 11 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450097                 | 450096              | 16 bits | bit array | 7805                                          | easYgen 16-20 System status       |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed |
|                        |                     |         |           |                                               | easYgen 20 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 20 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 20 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 19 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 19 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 19 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 18 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 18 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 18 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 17 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 17 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 17 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 16 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 16 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 16 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450098                 | 450097              | 16 bits | bit array | 7838                                          | easYgen 16-20 Communication (LED) |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                        |
|                        |                     |         |           |                                               | easYgen 20 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 20 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 20 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 19 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 19 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 19 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 18 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 18 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 18 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 17 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 17 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 17 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 16 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 16 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 16 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450099                 | 450098              | 16 bits | bit array | 7806                                          | easYgen 21-25 System status       |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed |
|                        |                     |         |           |                                               | easYgen 25 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 25 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 25 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 24 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 24 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 24 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 23 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 23 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 23 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 22 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 22 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 22 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 21 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 21 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 21 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450100                 | 450099              | 16 bits | bit array | 7839                                          | easYgen 21-25 Communication (LED) |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                        |
|                        |                     |         |           |                                               | easYgen 25 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 25 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 25 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 24 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 24 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 24 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 23 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 23 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 23 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 22 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 22 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 22 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 21 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 21 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 21 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450101                 | 450100              | 16 bits | bit array | 7807                                          | easYgen 26-30 System status       |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed |
|                        |                     |         |           |                                               | easYgen 30 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 30 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 30 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 29 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 29 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 29 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 28 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 28 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 28 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 27 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 27 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 27 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 26 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 26 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 26 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450102                 | 450101              | 16 bits | bit array | 7840                                          | easYgen 26-30 Communication (LED) |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                        |
|                        |                     |         |           |                                               | easYgen 30 Bit 2                  | Mask: 4000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 30 Bit 1                  | Mask: 2000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 30 Bit 0                  | Mask: 1000h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 29 Bit 2                  | Mask: 0800h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 29 Bit 1                  | Mask: 0400h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 29 Bit 0                  | Mask: 0200h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 28 Bit 2                  | Mask: 0100h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 28 Bit 1                  | Mask: 0080h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 28 Bit 0                  | Mask: 0040h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 27 Bit 2                  | Mask: 0020h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 27 Bit 1                  | Mask: 0010h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 27 Bit 0                  | Mask: 0008h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 26 Bit 2                  | Mask: 0004h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 26 Bit 1                  | Mask: 0002h                                                  | Bit   |                                                                                                                                            |
|                        |                     |         |           |                                               | easYgen 26 Bit 0                  | Mask: 0001h                                                  | Bit   |                                                                                                                                            |
| 450103                 | 450102              | 16 bits | bit array | 7808                                          | easYgen 31-32 System status       |                                                              |       |                                                                                                                                            |
|                        |                     |         |           |                                               | Internal                          | Mask: 8000h                                                  | Bit   | See 3-Bit group:                                                                                                                           |

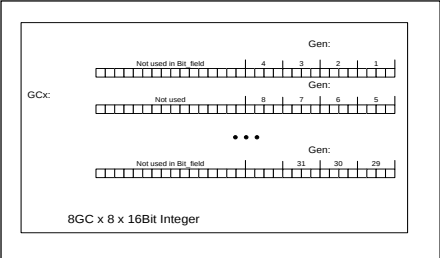
| Modicon start addr. | Start addr. (*1) | Size    | Format            | GC3000XT ID<br>Direct Access (32=INT32) | Description                                   | Multiplier<br>(BUS-data * Multiplier = real value) | Units | Comment                                                                                                                                                        |
|---------------------|------------------|---------|-------------------|-----------------------------------------|-----------------------------------------------|----------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |                  |         |                   |                                         | Internal                                      | Mask: 4000h                                        | Bit   | 0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed                                         |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 32 Bit 2                              | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 32 Bit 1                              | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 32 Bit 0                              | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 31 Bit 2                              | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 31 Bit 1                              | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 31 Bit 0                              | Mask: 0001h                                        | Bit   |                                                                                                                                                                |
| 450104              | 450103           | 16 bits | bit array         | 7841                                    | easYgen 31-32 Communication (LED)             |                                                    |       |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 8000h                                        | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                                            |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 4000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 32 Bit 2                              | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 32 Bit 1                              | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 32 Bit 0                              | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 31 Bit 2                              | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 31 Bit 1                              | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | easYgen 31 Bit 0                              | Mask: 0001h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         | Diagnostic groups |                                         |                                               |                                                    |       |                                                                                                                                                                |
| 450105              | 450104           | 16 bits | bit array         | 7882                                    | Group Controller 1-5 System status            |                                                    |       |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 8000h                                        | Bit   | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed<br>6 = Group not ok |
|                     |                  |         |                   |                                         | Group 5 Bit 2                                 | Mask: 4000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 5 Bit 1                                 | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 5 Bit 0                                 | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 4 Bit 2                                 | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 4 Bit 1                                 | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 4 Bit 0                                 | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 3 Bit 2                                 | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 3 Bit 1                                 | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 3 Bit 0                                 | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 2 Bit 2                                 | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 2 Bit 1                                 | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 2 Bit 0                                 | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 1 Bit 2                                 | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 1 Bit 1                                 | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 1 Bit 0                                 | Mask: 0001h                                        | Bit   |                                                                                                                                                                |
| 450106              | 450105           | 16 bits | bit array         | 7889                                    | Group Controller 1-5 Communication (LED)      |                                                    |       |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 8000h                                        | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                                            |
|                     |                  |         |                   |                                         | Group 5 Bit 2                                 | Mask: 4000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 5 Bit 1                                 | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 5 Bit 0                                 | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 4 Bit 2                                 | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 4 Bit 1                                 | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 4 Bit 0                                 | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 3 Bit 2                                 | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 3 Bit 1                                 | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 3 Bit 0                                 | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 2 Bit 2                                 | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 2 Bit 1                                 | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 2 Bit 0                                 | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 1 Bit 2                                 | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 1 Bit 1                                 | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 1 Bit 0                                 | Mask: 0001h                                        | Bit   |                                                                                                                                                                |
| 450107              | 450106           | 16 bits | bit array         | 7883                                    | Group Controller 6-8 System status            |                                                    |       |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 8000h                                        | Bit   | See 3-Bit group:<br>0 = Only NW B<br>1 = Only NW C<br>2 = Unit not recognized<br>3 = Add device<br>4 = Unit available<br>5 = Not installed<br>6 = Group not ok |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 4000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 8 Bit 2                                 | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 8 Bit 1                                 | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 8 Bit 0                                 | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 7 Bit 2                                 | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 7 Bit 1                                 | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 7 Bit 0                                 | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 6 Bit 2                                 | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 6 Bit 1                                 | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 6 Bit 0                                 | Mask: 0001h                                        | Bit   |                                                                                                                                                                |
| 450108              | 450107           | 16 bits | bit array         | 7890                                    | Group Controller 6-8 Communication (LED)      |                                                    |       |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 8000h                                        | Bit   | See 3-Bit group:<br>0 = red LED<br>1 = green LED<br>2 = black LED<br>3 = yellow LED                                                                            |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 4000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 8 Bit 2                                 | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 8 Bit 1                                 | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 8 Bit 0                                 | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 7 Bit 2                                 | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 7 Bit 1                                 | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 7 Bit 0                                 | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 6 Bit 2                                 | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 6 Bit 1                                 | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Group 6 Bit 0                                 | Mask: 0001h                                        | Bit   |                                                                                                                                                                |
| 450109              | 450108           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450110              | 450109           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450111              | 450110           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450112              | 450111           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450113              | 450112           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450114              | 450113           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450115              | 450114           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450116              | 450115           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450117              | 450116           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450118              | 450117           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450119              | 450118           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
| 450120              | 450119           | 16 bits |                   | ???                                     | Reserved Group Controller 11-32 Communication |                                                    |       |                                                                                                                                                                |
|                     |                  | Topic   | Alarm Management  |                                         |                                               |                                                    |       |                                                                                                                                                                |
| 450121              | 450120           | 16 bits | bit array         | 10131                                   | General Alarms                                |                                                    |       |                                                                                                                                                                |
|                     |                  |         |                   |                                         | New Alarm triggered                           | Mask: 8000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 4000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 2000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 1000h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0800h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0400h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0200h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0100h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0080h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0040h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0020h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0010h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0008h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Critical Alarm latched                        | Mask: 0004h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Warning Alarm latched                         | Mask: 0002h                                        | Bit   |                                                                                                                                                                |
|                     |                  |         |                   |                                         | Internal                                      | Mask: 0001h                                        | Bit   |                                                                                                                                                                |

| Modicon start<br>addr. | Start addr.<br>(*1) | Size    | Format        | GC3000XT<br>ID<br><br>Direct Access<br>(32=INT32) | Description                               | Multiplier<br><br>(BUS-data<br>* Multiplier<br>= real value) | Units |  | Comment |
|------------------------|---------------------|---------|---------------|---------------------------------------------------|-------------------------------------------|--------------------------------------------------------------|-------|--|---------|
| 450122                 | 450121              | 16 bits | bit array     | 10149                                             | Alarms Interfaces latched                 |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Group Communication not ok                | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GC Missing Member alarm                   | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | easYgen Missing Member alarm              | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GC Diagnostic alarm                       | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | easYgen diagnostic alarm                  | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | ETHB/ETHC Redundancy failure              | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | CAN1/ETHA Redundancy failure              | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Port ETHC failure                         | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Port ETHB failure                         | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Port ETHA failure                         | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | CAN1 failure latched                      | Mask: 0001h                                                  | Bit   |  |         |
| 450123                 | 450122              | 16 bits | bit array     | 4169                                              | Alarms Interfaces active                  |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Group Communication not ok                | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GC Missing Member alarm                   | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | easYgen Missing Member alarm              | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GC Diagnostic alarm                       | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | easYgen diagnostic alarm                  | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | ETHB/ETHC Redundancy failure              | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | CAN1/ETHA Redundancy failure              | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Port ETHC failure                         | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Port ETHB failure                         | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Port ETHA failure                         | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | CAN1 failure                              | Mask: 0001h                                                  | Bit   |  |         |
| 450124                 | 450123              | 16 bits | bit array     | 10190                                             | General alarms latched                    |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | LDSS parameter alignment                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Wire break Analog input 2                 | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Wire break Analog input 1                 | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | MCB fail to open                          | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | MCB fail to close                         | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Mains AC wiring                           | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Busbar AC wiring                          | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Gen. AC wiring                            | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GGB feedback check                        | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Phase rotation mismatch                   | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Mains phase rotation mismatch latched     | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Gen Group phase rotation mismatch latched | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GGB fail to open latched                  | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GGB fail to close latched                 | Mask: 0001h                                                  | Bit   |  |         |
| 450125                 | 450124              | 16 bits | bit array     | 4193                                              | General alarms active                     |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | LDSS parameter alignment                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Wire break Analog input 2                 | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Wire break Analog input 1                 | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | MCB fail to open                          | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | MCB fail to close                         | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Mains AC wiring                           | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Busbar AC wiring                          | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Gen. AC wiring                            | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GGB feedback check                        | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Phase rotation mismatch                   | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Mains phase rotation mismatch             | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Gen Group phase rotation mismatch         | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GGB fail to open                          | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | GGB fail to close                         | Mask: 0001h                                                  | Bit   |  |         |
| 450126                 | 450125              | 16 bits | bit array     | ???                                               | reserved alarms latched                   |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0001h                                                  | Bit   |  |         |
| 450127                 | 450126              | 16 bits | bit array     | ???                                               | reserved alarms active                    |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0001h                                                  | Bit   |  |         |
|                        |                     | Topic   | Control Flags |                                                   |                                           |                                                              |       |  |         |
| 450128                 | 450127              | 16 bits | bit array     | 4151                                              | Flags                                     |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0400h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0200h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0100h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0080h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0040h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0020h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0010h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0008h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0004h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0002h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0001h                                                  | Bit   |  |         |
| 450129                 | 450128              | 16 bits |               | 9925                                              | Monitored easYgens (including GC)         |                                                              |       |  |         |
| 450130                 | 450129              | 16 bits |               | 9928                                              | Monitored GCs                             |                                                              |       |  |         |
| 450131                 | 450130              | 16 bits | bit array     | 10315                                             | Control States                            |                                                              |       |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 8000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 4000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 2000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 1000h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0800h                                                  | Bit   |  |         |
|                        |                     |         |               |                                                   | Internal                                  | Mask: 0400h                                                  | Bit   |  |         |

| Modicon start addr. | Start addr. (*1) | Size         | Format                               | GC3000XT ID<br>Direct Access (32=INT32) | Description                            | Multiplier<br><br>(BUS-data * Multiplier = real value)  | Units | Comment |
|---------------------|------------------|--------------|--------------------------------------|-----------------------------------------|----------------------------------------|---------------------------------------------------------|-------|---------|
|                     |                  |              |                                      |                                         | Internal                               | Mask: 0100h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Internal                               | Mask: 0080h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Internal                               | Mask: 0040h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Control State: Unload mains / MCB open | Mask: 0020h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Control State: MCB synchronization     | Mask: 0010h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Control State: GGB dead bus closure    | Mask: 0008h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Control State: GGB synchronization MOP | Mask: 0004h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Control State: GGB synchronization IOP | Mask: 0002h                                             | Bit   |         |
|                     |                  |              |                                      |                                         | Control State: Initial                 | Mask: 0001h                                             | Bit   |         |
| 450132              | 450131           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450133              | 450132           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
|                     |                  | Topic        | Values my own Segment                |                                         |                                        |                                                         |       |         |
| 450134              | 450133           | 16 bits      |                                      | 294 (32)                                | Own Segment: P nominal                 | scalled defiened by index 3181 (modicon Address 450002) | kW    |         |
| 450135              | 450134           | 16 bits      |                                      | 295 (32)                                | Own Segment: P actual                  | scalled defiened by index 3181 (modicon Address 450002) | kW    |         |
| 450136              | 450135           | 16 bits      |                                      | 296 (32)                                | Own Segment: P reserve                 | scalled defiened by index 3181 (modicon Address 450002) | kW    |         |
| 450137              | 450136           | 16 bits      |                                      | 297 (32)                                | Own Segment: P load                    | 0.1                                                     | %     |         |
| 450138              | 450137           | 16 bits      |                                      | 298 (32)                                | Own Segment: Q actual                  | scalled defiened by index 3181 (modicon Address 450002) | kvar  |         |
| 450139              | 450138           | 16 bits      |                                      | 299 (32)                                | Own Segment: Q load                    | 0.1                                                     | %     |         |
| 450140              | 450139           | 16 bits      |                                      | 300 (32)                                | Own Segment: Power factor              | *1000                                                   |       |         |
| 450141              | 450140           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450142              | 450141           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450143              | 450142           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450144              | 450143           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450145              | 450144           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450146              | 450145           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450147              | 450146           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450148              | 450147           | 16 bits      |                                      |                                         | 0 (reserve)                            |                                                         |       |         |
| 450149              | 450148           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 1 to 4        |                                                         |       |         |
| 450150              | 450149           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 5 to 8        |                                                         |       |         |
| 450151              | 450150           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 9 to 12       |                                                         |       |         |
| 450152              | 450151           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 13 to 16      |                                                         |       |         |
| 450153              | 450152           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 17 to 20      |                                                         |       |         |
| 450154              | 450153           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 21 to 24      |                                                         |       |         |
| 450155              | 450154           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 25 to 28      |                                                         |       |         |
| 450156              | 450155           | 16 bits      |                                      |                                         | Visu LDSS Status GC1 Gen 29 to 31      |                                                         |       |         |
| 450157              | 450156           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 1 to 4        |                                                         |       |         |
| 450158              | 450157           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 5 to 8        |                                                         |       |         |
| 450159              | 450158           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 9 to 12       |                                                         |       |         |
| 450160              | 450159           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 13 to 16      |                                                         |       |         |
| 450161              | 450160           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 17 to 20      |                                                         |       |         |
| 450162              | 450161           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 21 to 24      |                                                         |       |         |
| 450163              | 450162           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 25 to 28      |                                                         |       |         |
| 450164              | 450163           | 16 bits      |                                      |                                         | Visu LDSS Status GC2 Gen 29 to 31      |                                                         |       |         |
| 450165              | 450164           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 1 to 4        |                                                         |       |         |
| 450166              | 450165           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 5 to 8        |                                                         |       |         |
| 450167              | 450166           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 9 to 12       |                                                         |       |         |
| 450168              | 450167           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 13 to 16      |                                                         |       |         |
| 450169              | 450168           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 17 to 20      |                                                         |       |         |
| 450170              | 450169           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 21 to 24      |                                                         |       |         |
| 450171              | 450170           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 25 to 28      |                                                         |       |         |
| 450172              | 450171           | 16 bits      |                                      |                                         | Visu LDSS Status GC3 Gen 29 to 31      |                                                         |       |         |
| 450173              | 450172           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 1 to 4        |                                                         |       |         |
| 450174              | 450173           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 5 to 8        |                                                         |       |         |
| 450175              | 450174           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 9 to 12       |                                                         |       |         |
| 450176              | 450175           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 13 to 16      |                                                         |       |         |
| 450177              | 450176           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 17 to 20      |                                                         |       |         |
| 450178              | 450177           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 21 to 24      |                                                         |       |         |
| 450179              | 450178           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 25 to 28      |                                                         |       |         |
| 450180              | 450179           | 16 bits      |                                      |                                         | Visu LDSS Status GC4 Gen 29 to 31      |                                                         |       |         |
| 450181              | 450180           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 1 to 4        |                                                         |       |         |
| 450182              | 450181           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 5 to 8        |                                                         |       |         |
| 450183              | 450182           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 9 to 12       |                                                         |       |         |
| 450184              | 450183           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 13 to 16      |                                                         |       |         |
| 450185              | 450184           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 17 to 20      |                                                         |       |         |
| 450186              | 450185           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 21 to 24      |                                                         |       |         |
| 450187              | 450186           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 25 to 28      |                                                         |       |         |
| 450188              | 450187           | 16 bits      |                                      |                                         | Visu LDSS Status GC5 Gen 29 to 31      |                                                         |       |         |
| 450189              | 450188           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 1 to 4        |                                                         |       |         |
| 450190              | 450189           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 5 to 8        |                                                         |       |         |
| 450191              | 450190           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 9 to 12       |                                                         |       |         |
| 450192              | 450191           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 13 to 16      |                                                         |       |         |
| 450193              | 450192           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 17 to 20      |                                                         |       |         |
| 450194              | 450193           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 21 to 24      |                                                         |       |         |
| 450195              | 450194           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 25 to 28      |                                                         |       |         |
| 450196              | 450195           | 16 bits      |                                      |                                         | Visu LDSS Status GC6 Gen 29 to 31      |                                                         |       |         |
| 450197              | 450196           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 1 to 4        |                                                         |       |         |
| 450198              | 450197           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 5 to 8        |                                                         |       |         |
| 450199              | 450198           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 9 to 12       |                                                         |       |         |
| 450200              | 450199           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 13 to 16      |                                                         |       |         |
| 450201              | 450200           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 17 to 20      |                                                         |       |         |
| 450202              | 450201           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 21 to 24      |                                                         |       |         |
| 450203              | 450202           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 25 to 28      |                                                         |       |         |
| 450204              | 450203           | 16 bits      |                                      |                                         | Visu LDSS Status GC7 Gen 29 to 31      |                                                         |       |         |
| 450205              | 450204           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 1 to 4        |                                                         |       |         |
| 450206              | 450205           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 5 to 8        |                                                         |       |         |
| 450207              | 450206           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 9 to 12       |                                                         |       |         |
| 450208              | 450207           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 13 to 16      |                                                         |       |         |
| 450209              | 450208           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 17 to 20      |                                                         |       |         |
| 450210              | 450209           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 21 to 24      |                                                         |       |         |
| 450211              | 450210           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 25 to 28      |                                                         |       |         |
| 450212              | 450211           | 16 bits      |                                      |                                         | Visu LDSS Status GC8 Gen 29 to 31      |                                                         |       |         |
|                     |                  | Int32 (Long) |                                      |                                         |                                        |                                                         |       |         |
|                     |                  | Topic        | AC Generator Group and Busbar values |                                         |                                        |                                                         |       |         |
| 450213              | 450212           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450215              | 450214           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450217              | 450216           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450219              | 450218           | 32 bits      | signed                               | 170                                     | Av.Gen.Group Wye-Voltage               | 0.1                                                     | V     |         |
| 450221              | 450220           | 32 bits      | signed                               | 171                                     | Av.Gen.Group Delta-Voltage             | 0.1                                                     | V     |         |
| 450223              | 450222           | 32 bits      | signed                               | 216                                     | Av.Load Busbar Delta-Voltage           | 0.1                                                     | V     |         |
| 450225              | 450224           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450227              | 450226           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450229              | 450228           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450231              | 450230           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450233              | 450232           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450235              | 450234           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450237              | 450236           | 32 bits      | signed                               | 108                                     | Gen.Group voltage L1-L2                | 0.1                                                     | V     |         |
| 450239              | 450238           | 32 bits      | signed                               | 109                                     | Gen.Group voltage L2-L3                | 0.1                                                     | V     |         |
| 450241              | 450240           | 32 bits      | signed                               | 110                                     | Gen.Group voltage L3-L1                | 0.1                                                     | V     |         |
| 450243              | 450242           | 32 bits      | signed                               | 114                                     | Gen.Group voltage L1-N                 | 0.1                                                     | V     |         |
| 450245              | 450244           | 32 bits      | signed                               | 115                                     | Gen.Group voltage L2-N                 | 0.1                                                     | V     |         |
| 450247              | 450246           | 32 bits      | signed                               | 116                                     | Gen.Group voltage L3-N                 | 0.1                                                     | V     |         |
| 450249              | 450248           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450251              | 450250           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450253              | 450252           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450255              | 450254           | 32 bits      | signed                               | 182                                     | Load Busbar: voltage L1-L2             | 0.1                                                     | V     |         |
| 450257              | 450256           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450259              | 450258           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450261              | 450260           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450263              | 450262           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450265              | 450264           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450267              | 450266           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450269              | 450268           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |
| 450271              | 450270           | 32 bits      | signed                               |                                         | 0 (reserve)                            |                                                         |       |         |

| Enumeration | Condition                                                                   | HMI / Toolkit Field Indication:<br>Solid Grey Field (Nothing visible) |
|-------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 0           | Generator does not exist<br>or<br>is not in the same Segment like<br>our GC |                                                                       |
| 1           | Generator is in operation mode<br>STOP                                      |                                                                       |
| 2           | Generator is in operation mode<br>MANUAL                                    |                                                                       |
| 3           | Generator is in operation mode<br>TEST                                      |                                                                       |
| 4           | Generator is in operation mode<br>AUTO<br>and<br>for LDSS not available     |                                                                       |
| 5           | Generator is for LDSS available<br>and<br>wait for LDSS commands            |                                                                       |
| 6           | Generator have a LDSS Start Wish                                            |                                                                       |
| 7           | Generator is running over LDSS<br>and<br>breaker is closed                  |                                                                       |
| 8           | Generator have a LDSS Stop Wish                                             |                                                                       |
| 10-15       | reserve                                                                     |                                                                       |

The different LDSS indications



400XT Modbus Master