

37459



**Option K29**  
**Start Attempts**

**Brief Manual**  
**easYgen-1000**

**Manual 37459**

**WARNING**

Read this entire manual and all other publications pertaining to the work to be performed before installing, operating, or servicing this equipment. Practice all plant and safety instructions and precautions. Failure to follow instructions can cause personal injury and/or property damage.

The engine, turbine, or other type of prime mover should be equipped with an overspeed (overtemperature, or overpressure, where applicable) shutdown device(s), that operates totally independently of the prime mover control device(s) to protect against runaway or damage to the engine, turbine, or other type of prime mover with possible personal injury or loss of life should the mechanical-hydraulic governor(s) or electric control(s), the actuator(s), fuel control(s), the driving mechanism(s), the linkage(s), or the controlled device(s) fail.

Any unauthorized modifications to or use of this equipment outside its specified mechanical, electrical, or other operating limits may cause personal injury and/or property damage, including damage to the equipment. Any such unauthorized modifications: (i) constitute "misuse" and/or "negligence" within the meaning of the product warranty thereby excluding warranty coverage for any resulting damage, and (ii) invalidate product certifications or listings.

**CAUTION**

To prevent damage to a control system that uses an alternator or battery-charging device, make sure the charging device is turned off before disconnecting the battery from the system.

Electronic controls contain static-sensitive parts. Observe the following precautions to prevent damage to these parts.

- Discharge body static before handling the control (with power to the control turned off, contact a grounded surface and maintain contact while handling the control).
- Avoid all plastic, vinyl, and Styrofoam (except antistatic versions) around printed circuit boards.
- Do not touch the components or conductors on a printed circuit board with your hands or with conductive devices.

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**Important definitions****WARNING**

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

**CAUTION**

Indicates a potentially hazardous situation that, if not avoided, could result in damage to equipment.

**NOTE**

Provides other helpful information that does not fall under the warning or caution categories.

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# Revision History



Rev.	Date	Editor	Changes
NEW	09-09-28	TE	Release

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# Chapter 1. Introduction

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## ATTENTION

This brief manual must be used together with the standard manuals.

The following standard manuals are required to install, commission, and operate the easYgen with **Option K29**:

- **easYgen-1000** Installation Manual 37390
- **easYgen-1000** Configuration Manual 37391
- **easYgen-1000** Operation Manual 37392
- **easYgen-1000** Interface Manual 37393
- **easYgen-1000** Application Manual 37394

# Chapter 2. Additional Functionality

## Start Attempts



### Overview

The easYgen with **Option K29** adds the function, that the number of starting attempts is also available in the manual mode.

### Description

Please notice in comparison to the standard easYgen-1000, that the Parameter 195 “Number of starting attempts” is also available in the manual mode.

		Start attempts	Start alarm: Number of starting attempts	1 to 20				
ENV	DIE	Anzahl Startversuche	The control will attempt to start the engine with this number of start attempts. If the engine fails to start after the configured number of attempts, an alarm will be initiated. An engine has been successfully started if the ignition speed reaches the configured firing speed within the start delay time.					
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