

## Ethernet Switch Replacement MicroNet Plus RTN Expansion Network

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### Issue

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Hirschmann has discontinued the currently approved Ethernet switches (both copper and fiber) used for systems with RTN expansion chassis.

### Description

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Woodward has qualified two Ethernet switches designed by Phoenix.

#### Phoenix Contact Improvements vs. Hirschmann

- Metal Chassis for improved EMC performance and grounding
- Improved access to each Ethernet port socket
- Link/Act LED's located locally near each port socket
- Temperature range -40C to 75C
- Metal DIN Rail Clip (vs. plastic previously that was prone to breakage)
- 7 Copper ports on the fiber optic version
- Marine certification for both versions: LR / GL / BV / DNV / ABS

Please see item number cross-reference below:

### Affected Units

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Obsolete Hirschmann Item Number	Configuration Description	New Phoenix Item Number	Description
1752-423	8 port copper	1711-1350	8 port copper
1751-6077	3 port copper 2 port fiber	1711-1351	7 port copper 1 port fiber
1711-1069	4 port copper 1 port fiber		

### Customer Action

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Woodward has completed a Last Time Buy with Hirschmann sufficient to cover existing orders for delivery in October and November. Please switch all forecast and orders slated for delivery after Nov. 30 over to the new item numbers as indicated above.

**Note:** Woodward has not qualified the new Phoenix switches and old Hirschmann switches when used together within the same RTN network. Both the Hirschman and Phoenix switches have high reliability rates and replacements should not be common. However, in the event of a failure or need for spare parts, Woodward recommends that the switches be replaced in matching sets (either all Hirschmann or all Phoenix on the same system).

### Future Direction

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Woodward is working to qualify another line of copper and fiber switches so that we will have two lines available.

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