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Product: E3N-S Photoelectric
Type: Discontinuation

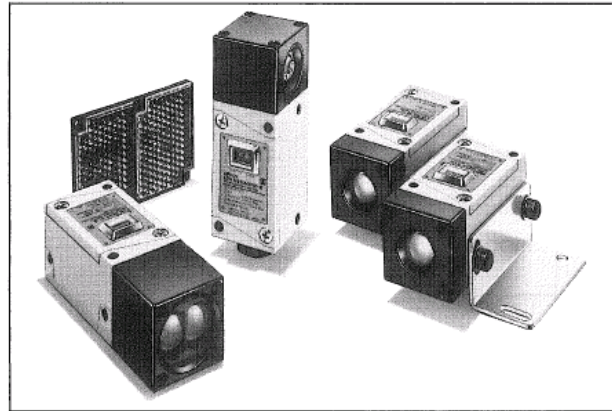
Omron Discontinues the Limit Switch Style E3N-S Family of Long-Distance Photoelectric Sensors Effective 3/30/04

The E3N-S Long-Distance Sensor Family will be discontinued and the last day for order acceptance is **3/30/04**. All E3N-S items are currently non-standard non-stock items. The Omron computer system will list suggested replacements in the description section of customer inquiry screens.

Features of Discontinued E3N-S

The E3N-S Long-Distance Photoelectric Sensor family offers multiple features, so careful consideration of the customer's application is required prior to recommending a replacement sensor. Here are some of the many features:

- NPN/PNP switch selectable output
- Switch selectable Light-ON/Dark-ON operation
- Alarm output
- Check input
- Vertical or horizontal mounting versions
- 200 mA output rating
- NEMA 4X rating
- Extremely long sensing distance capability
- All E3N-S sensors have a PG13.5 conduit opening (European Standard)



E3N-S Sensor Family

Conditional Replacement: E3S-C

The closest replacement available for long distance sensing is the Omron E3S-C Photoelectric Sensor. The main differences are as follows:

- Different mounting dimensions
- Different mounting brackets
- Pre-wired or connector type, not conduit opening type
- Shorter sensing distances
- No alarm output
- No check input.

The E3S-C sensor can be utilized in most applications requiring long distance sensing or high-powered sensing. If the application calls for alarm output or check input function, the E3S-A sensors should be sufficient provided the sensing distance limitation is acceptable. Suggested Replacements are shown on the following page.

Suggested Replacements

Discontinued Part Number	Description	Sensing Distance	Suggested Replacement
E3N-R5H4S1-G	Polarized retro Horizontal	5 m	E3S-CR11
E3N-R7H4S1-G	Non-Polarized retro Horizontal	7 m	E3S-CR11
E3N-R5H41S1-G	Polarized retro Horizontal	5 m	E3S-CR61
E3N-R7H41S1-G	Non-Polarized Retro Horizontal	7 m	E3S-CR61
E3N-DS70H4S1-G	Diffuse Horizontal	700 mm	E3S-CD11
E3N-DS70H41S1-G	Diffuse Vertical	700 mm	E3S-CD61
E3N-D2H4S1-G	Diffuse Horizontal	2 m	E3S-CD12
E3N-30H4S1-G	Through-beam Horizontal	30 m	E3S-CT11
E3N-30H41S1-G	Through-beam Vertical	30 m	E3S-CT61
E3N-50H4S1-G	Through-beam Horizontal	50 m	E3S-CT11
E3N-30LH4-G	Emitter only for E3N-30H4S1-G	N/A	N/A
E3N-30LH41-G	Emitter only for E3N-30H41S1-G	N/A	N/A
E3N-30DH4S1-G	Detector only for E3N-30H4S1-G	N/A	N/A
E3N-30DH41S1-G	Detector only for E3N-30H41S1-G	N/A	N/A
E3N-50DH4S1-G	Detector only for E3N-50H4S1-G	N/A	N/A
E3N-ZL	No Replacement	N/A	N/A
E3N-ZL2	No Replacement	N/A	N/A
E3N-ZS2	No Replacement	N/A	N/A

Literature Support

The data sheet for E3S-C is available in PDF form in the Knowledge Center on Omron's www.knowledge.omron.com website under Sensors—Photoelectric, then under Data Sheets.