

Overview

The S715D and S7715D fiber links provide two-way transmission of two multiprotocol data channels over one or two single mode or multimode fibers. The S715D model features multimode operation, while the S7715D model operates over single mode fiber.

Data Translation

The data functions include the unique data translation feature, which allows one data format to be input and a different data format to be output. Data formats are selected during installation and can be easily changed in the field via rotary switch.

Superior Diagnostics

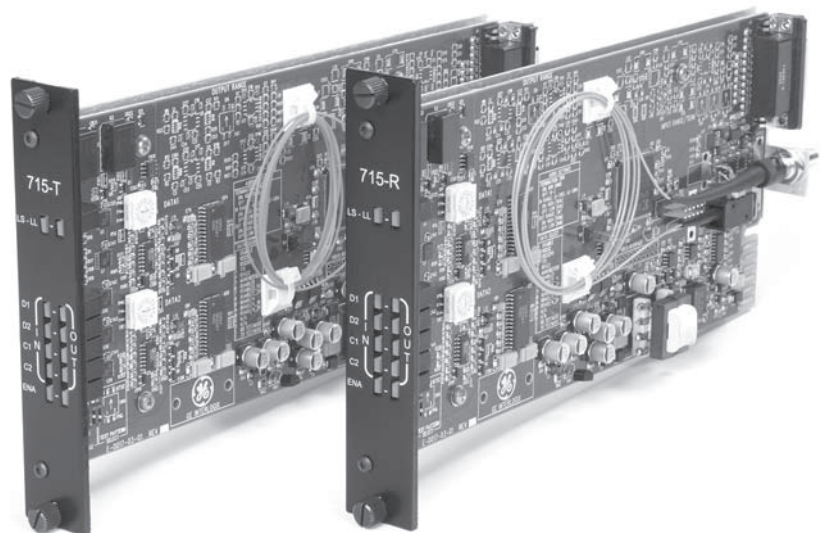
The SMARTSTM diagnostic technology provides an extensive set of built-in diagnostic tools including LEDs that monitor the data and optical signals.

Standard Features

- Two-way data transmission over one or two single mode or multimode fibers
- Supports multi protocol data formats including RS-232, TTL, RS-422, RS-485, Manchester, Biphase and SensorNet
- Unique data translation function
- 18 dB (single mode) or 13 dB (multimode) optical budget
- SMARTSTM diagnostics

Two-Way 2-Channel Multiprotocol Data

S715D and S7715D



GE Security

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Latin America
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Specifications

| Data | S715D (Multimode) | S7715D (Single Mode) |
|------------------------|---|---|
| Channels | 2 duplex, format independent | |
| Formats | RS-232 (3-wire/5-wire), TTL, RS-422, RS-485 (2-wire/4-wire), Manchester, Biphase, SensorNet | |
| Baud Rate | 250 kbps to 512 kbps (depending on data format) | |
| Bit Error Rate | <1.0E-9 | |
| Relay/Contact Closure | 2 duplex channels | |
| Relay/Contact Rating | 1 A at 30 VDC | |
| Optical | | |
| Mode | Multimode | Single Mode |
| Optical Budget* | 13 dB | 18 dB |
| Emitter | Laser | |
| Wavelength | 850 nm and/or 1300 nm (depending on model) | 1310 nm and/or 1550 nm (depending on model) |
| Operating Distance ** | Up to 11 mi (18 km) (depending on model) | Up to 37 mi (60 km) (depending on model) |
| Gain Control | Optical Automatic Gain Control (OAGC) | |
| Electrical | | |
| Input Power | 13.5 VDC regulated | |
| Current Requirement | 400 mA | |
| Power Consumption | 4 W | |
| Power Factor | 4 | |
| Protection | Solid-state short circuit protection | |
| Environmental | | |
| Operating Temperature | -40 to 167 °F (-40 to 75 °C) | |
| Maximum Humidity | 95% relative, noncondensing | |
| Mechanical | | |
| Dimensions, Rack Units | 1 slot (1.0") | |
| Weight | 0.7 lbs (0.32 kg) | |
| Construction | Aluminum | |

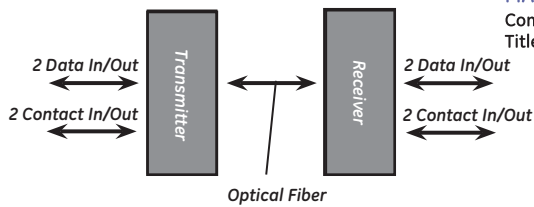
AGENCY COMPLIANCE



MADE IN THE USA

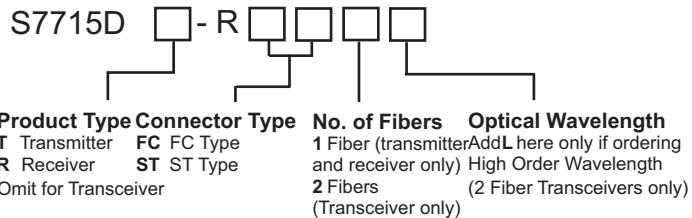
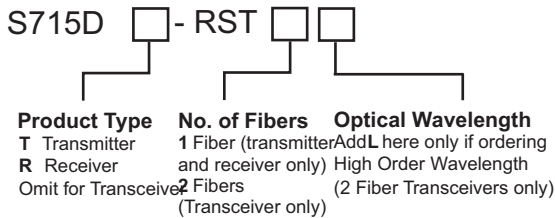
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

Related Diagram



Ordering Information

Use the Configurator below to select the options available for this product.



* Optical Budget based on 62.5 µm fiber, for 50/125 µm fiber subtract 3 dB.

** Operating distance is approximate and assumes best fiber. It will be affected by the type and number of splices in the fiber. Refer to update No. TB00-005, which can be found at www.gesecurity.com

As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GESecurity online at www.GESecurity.com or contact your GE Security sales representative. S715D-2006-09-2

