

Overview

250D and 2250D fiber links transmit up to 16 channels of low-speed digital data, switch/status information, or control-function signals. 250D models feature multimode operation, while 2250D models operate over single mode fiber.

Programmable Outputs

Using microprocessor technology, the user may program the receiver to provide 16 channels of alternate-action outputs, or 16 channels of momentary outputs, or eight channels of each type. Outputs are TTL drivers and Normally Open (NO) relays. A complete system consists of a transmitter and a receiver, configured as standalone units or as rack cards.

Superior Diagnostics

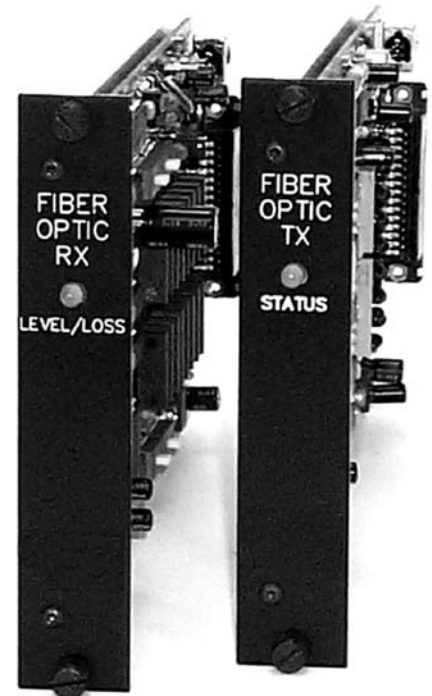
The SMARTS™ diagnostic technology provides system status LEDs that monitor the status of the data path and the optical signal.

Standard Features

- One-way transmission
- Single and multimode models available
- 16 contact closure or TTL channels
- FM transmission
- Operates up to 11 miles (18 km) (multimode) or 20 miles (32 km) (single mode)
- 13 dB optical budget
- Optical AGC
- SMARTS™ diagnostics
- Standalone and rack configurations

16-Channel Contact Closure/TTL Data

250D and 2250D



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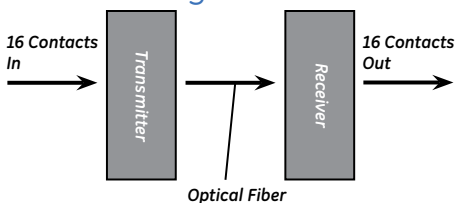
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Specifications

Data	250D (Multimode)	2250D (Single Mode)
Channels	16 simplex	
Formats	Contact Closure, TTL	
Baud Rate	200 bps	
Contact Closure to Relay Output Time	5 ms	
Operating Mode	Asynchronous	
Relay/Contact Rating	0.5 A @ 200 VDC	
Bit Error Rate	<1.0E-9	
Optical		
Mode	Multimode	Single Mode
Optical Budget*	13 dB	
Emitter	LED	Laser
Wavelength	850 nm or 1300 nm (depending on model)	1310 nm
Operating Distance**	Up to 11 mi (18 km) (depending on model)	20 mi (32 km)
Transmitter Launch Power	-19 dBm	
Receiver Sensitivity	-32 dBm	
Gain Control	Optical Automatic Gain Control (OAGC)	
Electrical		
Input Power	13.5 VDC regulated (standalone); 13.5 VDC regulated (rack)	
Current Requirement	300 mA	
Power Consumption	4 W	
Power Factor	3	
Protection	Solid-state short circuit protection	
Optional Power Supply	Model 613P (DC)	
Environmental		
Operating Temperature	-40 to 167 °F (-40 to 75 °C)	
Maximum Humidity	95% relative, noncondensing	
Mechanical		
Dimensions (LWD), Standalone Units	9.31" x 6.33" x 1.15" (237 x 161 x 29 mm)	
Dimensions, Rack Units	1 slot (1.0")	
Weight	Standalone 1.27 lbs (0.58 kg); rack 0.66 (0.30 kg)	
Construction	Aluminum	

Related Diagram



AGENCY COMPLIANCE

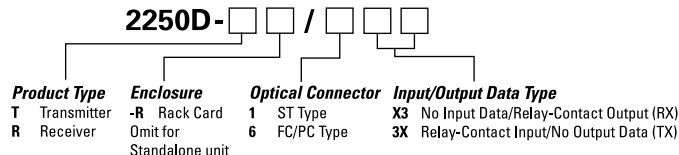
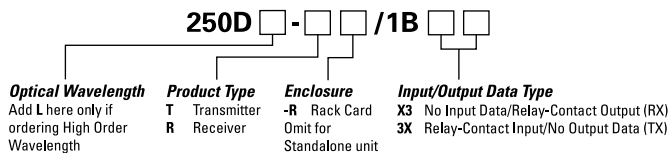
FCC PART 15 COMPLIANT   US

MADE IN THE USA

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

Ordering Information

Use the Configurators below to select the options available for these products.



* 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.
250D-2006-09-2