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Model 271 - RS-232 Fiber Optic Auto Powered Line Driver

Features

- Full Duplex to 56 KBPS
- 2 Kilometers on 62/125 Fiber
- Total Electrical Isolation
- Eliminates Noise Problems
- ST Connectors
- No Power Required



Product Description

The Model 271 provides feature packed performance and reliability for data transmission over glass fiber. Fiber optic transmission offers the benefits of wide bandwidth, immunity from EMI/RFI interference, operation in harsh/hostile environments and secure data transmission. The Model 271 Auto Powered Fiber Optic Line Driver provides full duplex, asynchronous communications over two fibers. Fiber cable length can be up to 2 kilometers with data rates as high as 56 KBPS. The Model 271 has been optimized for 62/125 fiber cables. Other sizes can also be used. The power budget for the 271 with 62/125 cable is 12dB. The operating power for the Model 271 is derived from the transmit data line. Where this is not desirable the Model 271 can be ordered as the Model 271A with a wall mounted power pack. The Model 271 is equipped with a DTE/DCE switch that reverses pins 2 and 3 of the RS-232 connector. The RS-232 port can be implemented as a male or female DB25 connector. The fiber cable port connectors are industry standard ST types.

Model 271 Specifications

Interface: RS-232/V.24

Signals Supported: TD, RD, and GND (2, 3 and 7), RTS connected to CTS (4 - 5), DTR connected to DSR and DCD (20 - 6 - 8)

Connectors: RS-232 male or female DB25 as ordered

Fiber Optic: ST

Speed: .3 to 56 KBPS

Distance: Up to 2 kilometers (6,600 feet)

Wavelength: 830 nm

Power Budget: Switch: DTE/DCE

Size: 3.5"L (89mm) x 2"W (26mm) x .875H (22mm)

Environment: 0° to 50° C, 5% to 95% RH

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