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Model 272A - RS-422 to Fiber Optic Converter

Features

- Data Rate to 2.5 MBPS
- Full Duplex TD and RD
- ST Connectors
- Extends RS-422 Network up to 2 km (6,600 ft)



Product Description

The Model 272A provides the capability of performing an interface conversion between full duplex, RS-422 signals and their equivalent for fiber optic transmission. For applications where the transmission medium must be protected from electrical interference, lightning, atmospheric conditions or chemical corrosion fiber optics is the perfect solution. The Model 272A RS-422 to Fiber Optic Line Driver handles full duplex data rates to 2.5 MBPS. The electrical interface to the RS-422 port is fully differential for transmit and receive data and is implemented in an industry standard DB25 connector. The fiber optic ports are implemented using the industry standard ST connectors. The design has been optimized for 62.5/125 micron fiber cable, however other sizes may be used. The optical signal wavelength is approximately 850nm. The optical power budget for the Model 272A is 12 dB. In normal applications the distance between a pair of Model 272A's will be at least 2 km (6,600 ft). Power to operate the Model 272A is supplied by a small, wall mounted, 9 Volt AC transformer and line cord.

Model 272A Specifications

Electrical Interface: Full duplex RS-422, 4 wire

Fiber Interface: Optimized for 62.5/125 micron fiber cable

Speed: 0 - 2.5 MBPS

Distance: Fiber- up to 2 km. RS-422 distance per RS-422

Wavelength: 850 nm

Connectors: RS-422 = DB25 female, Pin Out: In-2/14, Out- 3/16. Fiber = ST

Power: 115VAC @ 60 Hz (220VAC / 50Hz Optional)

Size: 3.5"L (89mm) x 2"W (51mm) x .875"H (22mm)

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

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