

FOT/FOR Fiber Optic Analog Data Links



SPECIFICATIONS

The FOT/FOR Series Analog Fiber Optic Data Links provide for the transmission of 0 to 10Vdc or 4 to 20mA electrical signals over a single optical fiber. An extremely accurate representation of the input signal is reproduced up to 2 miles away from the signal source.

The units can be wall or panel mounted and are available with either SMA or ST* Optical connectors. The side facing optical connection is the standard configuration but this may be replaced with the optional right angle connection on the unit's face plate.

Mechanical: RECEIVER TRANSMITTER ALL VOUNT VERSION MALL NOUNT VERSION Weight/Unit: < 14oz (400g) 4 2/2 4.965 965 3.00 1081 +1.057 500 Case: Painted Steel 6 ٢ Weed Weed Fiber-Opt Face Plate: Clear Anodized PORT optic Port Aluminum ès. ß 148 FO. П 3.60 Analog Fiber Optic Data Lin 8 0 Q < 2ms (10% to 90% input step change) transfer rates to 800Hz Response Time: \pm 0.1% (over the entire operational temperature range) Accuracy: Optical Wavelength: 850nm Optical Dynamic Range: 18dB utilizing 62.5/125mm Multi-Mode Fiber 30dB utilizing 200/230mm Multi-Mode Fiber Power Requirements: 24Vdc, 150mA Transmitter, 200mA Receiver Copper Cable Connections: .375" Screw Terminal Barrier Strip, accepts 12 to 22 AWG LED Indicators Transmitter: Green - Power Red - Over Range (analog input signal) Red - Under Range (analog input signal) Receiver: Green - Lock (receiving adequate optical signal strength from transmitter) Red - Over Range (analog input signal) Ambient Conditions: -40°C to 100°C Storage 0°C to 70°C Operational (Standard) -20°C to 85°C Operational (Optional) 0 to 90% Relative Humidity Non-Condensing ST is a Trademark of AT&T Weed Instrument, P.O. Box 300, Round Rock, Texas 78680 Rev. 07/2002



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