EOTec 2000
Model 2T18
Analog Link, Fiber Optic Transmitter

The Model 2T18 Fiber Optic Transmitter converts a 4 to 20mA analog input signal into optical data. A single glass fiber connects the Fiber Optic Transmitter (FOT) to its mated Fiber Optic Receiver (FOR). These units deliver the highest degree of accuracy over their entire specified ambient temperature range and absolutely no field adjustments are ever required.

The DIN rail mounted unit is available with options for an extended ambient temperature range and a local digital display (see Model 2M02).

SPECIFICATIONS

Mechanical
- Mounting: 35mm DIN Rail
- Weight/Unit: < 9oz (250g)
- Case Material: Plastic (UL94V-0)

Power Requirements: 24Vdc ±10% at 200mA

Wire Cable Connections: Pluggable, Cage-Clamp, Screw Terminal Blocks, accepts 12 to 24 AWG

System Accuracy (FOT+FOR): ± 0.1% maximum, over their entire operational temperature range

System Response Time (FOT+FOR): < 2ms (10% to 90% input step change) transfer rates to 800Hz

Optical Wavelength: 1300nm

Optical Connectivity: ST* compatible

Optical Dynamic Range: 25dB, utilizing 62.5/125µm, Multi-mode Fiber

Analog Input Impedance: 127 Ohms plus 1 diode drop

LED Indicators: Green – PWR, power is applied to the unit
Amber – LOW, analog input signal is below 4mA
Amber - OVR, analog input signal is above 20mA

Ambient Conditions: -40°C to 85°C Operational
0 to 95% Relative Humidity, Non-Condensing

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