



EOTec 2000 Model 2T14

Analog Link, Fiber Optic Transmitter



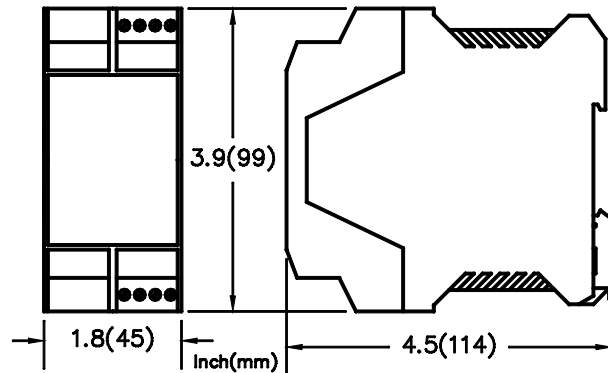
The Model 2T14 Fiber Optic Transmitter converts a 4 to 20mA analog input signal into optical data. A single glass fiber connects the Fiber Optic Transmitter (FOT) to its mated Fiber Optic Receiver (FOR). These units deliver the highest degree of accuracy over their entire specified ambient temperature 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: 850nm
- Optical Connectivity: ST* compatible
- Optical Dynamic Range: 25dB, utilizing 62.5/125µm, Multi-mode Fiber to mated 2R14
37dB, utilizing 200/230µm, Multi-mode Fiber to mated 2R14
- 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

* ST is a trademark of AT&T