EOTec 2000
Model 2T09
Analog Link, Fiber Optic Transmitter

The Model 2T09 Fiber Optic Transmitter converts a 0 to 10Vdc 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 2M01).

**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:** 100G Ohms

**LED Indicators:**
- Green – PWR, power is applied to the unit
- Amber – LOW, analog input signal is below 0Vdc
- Amber - OVR, analog input signal is above 10Vdc

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

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