EOTec 2000
Model 2T07
Analog Link, Fiber Optic Transmitter

The Model 2T07 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 (top-front connections)

**Input Signal:**
- 0 to 10Vdc (bottom-front connections)

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

**System Accuracy (FOT+FOR):**
- ± 0.1% of span (includes repeatability, linearity and hysteresis)
- Ambient Temperature Effect: ± 0.002% of span / °C

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

**Optical Wavelength/Connectivity:**
- 850nm / ST* compatible

**Optical Dynamic Range:**
- 25dB, utilizing 62.5/125μm, Multi-mode Fiber to mated 2R07
- 37dB, utilizing 200/230μm, Multi-mode Fiber to mated 2R07

**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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