EOTec 2000
Model 2R12
Analog Link, Fiber Optic Receiver

The Model 2R12 Fiber Optic Receiver converts optical data into a 4 to 20mA analog output signal for use in process control. A single glass fiber connects the Fiber Optic Receiver (FOR) to its mated Fiber Optic Transmitter (FOT). 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: SMA 905 and 906 compatible

Optical Dynamic Range: 37dB, utilizing 200/230µm, Multi-mode Fiber mated to a 2T12

Analog Output Maximum Load: 600 Ohms

LED Indicators: Green - Lock (receiving adequate optical signal strength from transmitter)
- Amber - Over Range (of analog input signal)

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