Weed Instrument Fiber Optics
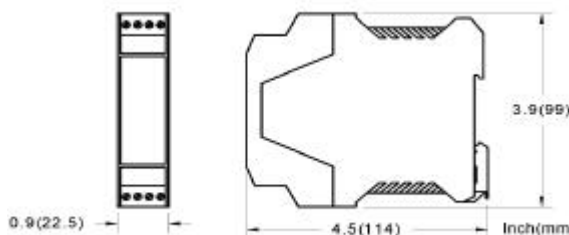
EOTec 2000

2D06 Optical Interface Module

The 2D06 Optical Interface Module connects the EOTec 2000 modem with the fiber cable network allowing the optical signals to be transmitted to and received from another fiber optic modem. The 2D06 has the added benefit of supplying a 4 to 20mA output that is proportional to the optical power received from the remote location. This output can be used to diagnose fiber degradations before they become a "loss of signal" problem.

Two optical modules can be used in one modem to form an optical repeater or configure an Optical Daisy Chain. Up to five optical modules can be cascaded to form an optical Star network. Two optical modules combined with a Self-Healing Ring module provide optical media Redundancy in critical applications. A maximum combination of five optical or electrical modules may be connected together in one modem, inter-module communications and operating power is achieved through the integrated module BUS interconnections.

SPECIFICATIONS

Mechanical:

Mounting:	35mm DIN Rail	
Weight:	< 9oz (250g)	

0.9(22.5)   4.5(114)   Inch(mm)   3.9(99)

Optical Wavelength:	850nm, Multi-Mode
Communications Data Rates:	9.6K Baud to 5M Baud
Optical Port Connection:	SMA Compatible
Optical Dynamic Range:	21dB utilizing 200/230 Fiber
Optical Transmit Indicator:	Green LED
Optical Receive Indicator:	Amber LED
4 to 20mA Diagnostic Output:	Internally powered, proportional to the received optical power, Output less than 4mA indicates loss of optical signal
Connection:	Pluggable screw terminal block at the bottom front of the unit, Cage-clamp connectors accept wire sizes 12 to 24 AWG
Ambient Conditions:	-40°C to 85°C Operational 0 to 90% Relative Humidity Non-Condensing

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