

EOTec 2000 Multi-Channel Analog/Digital Multiplexer



Features:

- Up to 8 analog or digital signals over a pair of fiber optic cables
- Bi-directional communications
- Configurable with multi-mode or single mode optical fiber
- Pluggable screw terminals for all wire connections
- Visible status LED's for power, TX/RX and channel inputs
- Available with dual redundant, hot swappable power supplies
- Designed for mounting on standard 35 mm DIN-Rail
- Operating temperature range of -40°C to 85°C , 0-90% RH (non-condensing)
- Dimensions (each module): 22.5 mm (0.9") w x 99 mm (3.9")h x 114 mm (4.5") d

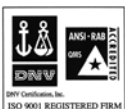
4-Channel Multiplexer

Overview

The EOTec 2000 Modular Multiplexer is a bi-directional, fiber optic multiplexer. It can be used to send and receive up to eight (8) channels of electrical interface information over a pair of fiber optic cables. A selection of modules such as RS-232, 4-20mA, 0-10V or contact closure is available for flexible system configurations. The base unit (or brain) connects to the fiber optic cable and provides visual indication of fiber link status. Information is received from up to four cascable input modules. Each module must have its partner module installed on the corresponding base unit. An integrated backplane allows for communications between modules with no external inter-modular connection. No programming is needed. The base unit and all its connected input/output modules can receive power from the standard EOTec 2000 power supplies (120/240VAC, 125VDC or 24VDC) or from an external 24VDC power supply connected directly to the base unit through a pluggable screw terminal connection.

Model Number	Description
2M55	Multiplexer, Base Unit, 1300nm, MM, ST
2M57	Multiplexer, Base Unit, 1300nm, MM, SC
2M59	Multiplexer, Base Unit, 1300nm, SM, SC
2M61	Multiplexer, Base Unit, 1300nm, SM, SC, Hi-powered
2M11	2-CH Input Module 0-10 VDC
2M21	2-CH Output Module 0-10 VDC
2M12	2-CH Input Module 4-20 mA
2M22	2-CH Output Module 4-20 mA
2M13	2-CH Input Module Dry Contact
2M23	2-CH Output Module Form C Relay
2M30	2-CH Bi-directional Module RS-232/485 9.6K to 230K

Applications include remote analog data acquisition; smoke stack instrumentation and extension of DCS or PLC systems. Each base unit has a duplex optical port for use with multi-mode or single mode optical fiber with transmissions at 1300 nm using industrialized ST/SMA connectors.



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