



2E58 Switched Media Converter

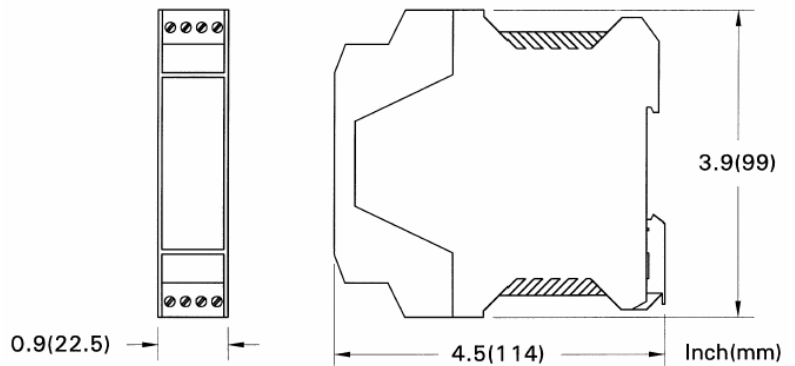


The 2E58 Switched Media Converter Module provides fiber optic conversion to and from wire based Ethernet. The Fiber port operates at 100Mbps and the RJ45 port will auto-negotiate its data rate between 10/100Mbps, Full/Half duplex operation. The 2E58 will automatically learn the addresses of the devices connected to each port (up to 1024) and will buffer and route messages accordingly. Visual (LED) indicators display the status of all ports/links. There is an additional Ethernet port in the module's integrated BUS interconnections. This BUS port provides connection for one additional EOTec 2000 Ethernet Switch Module or Switched Media Converter Module assisting in forming star or daisy chain network configurations.

SPECIFICATIONS

Mechanical:

- Mounting: 35mm DIN Rail
Weight: < 6oz (170g)



Power Requirements: 7.5Vdc @ 200mA, via the BUS interconnection in combination with any EOTec 2000 power supply module

Ethernet Compliance: IEEE 802.3(U)(X) Compliant, All standard protocols

Data Rates

- RJ45 Port: 10 or 100Mbps (10/100Base-T(X)), Full or Half Duplex, Automatic wiring correction
Fiber/BUS Port: 100Mbps (100Base-T(F)X), Full Duplex

Optical Port

- Wavelength: 1300nm
Connectors: SC compatible
Fiber Type/Size: Single-Mode fiber; 5 to 10µm core diameter
Dynamic Range: 16dB

Status Indicators

- Power: Green LED; On when proper power is connected
Port Activity: Green LED; Off when no connection is detected on port
On with connection to port established
Flashing to indicate activity on port
Port Speed (RJ45): Amber LED; Off when data rate is 10Mbps
On when data rate is 100Mbps

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



Approved

Class I, Division 2, Groups A, B, C & D

