



Weed Instrument

Fiber Optics



EOTec 2000 Ethernet

2E59 Switched Media Converter



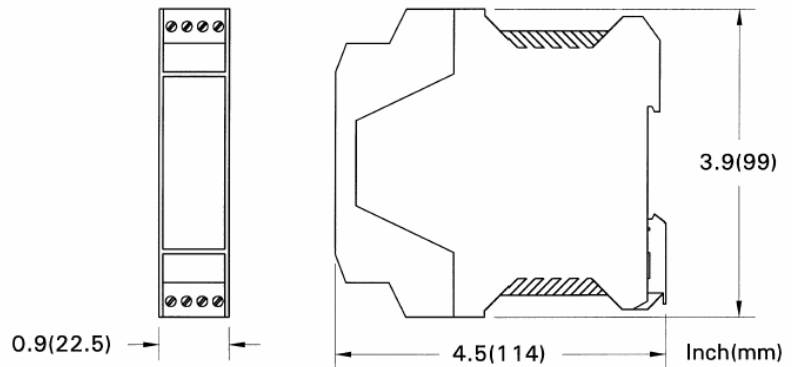
The 2E59 Switched Media Converter Module provides fiber optic conversion to and from wire based Ethernet. The Fiber port operates at 100Mbps and the RJ45 port will auto-negotiate its data rate between 10/100Mbps, Full/Half duplex operation. The 2E59 will automatically learn the addresses of the devices 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: 10 to 30Vdc @ 200mA, via pluggable cage-clamp screw terminal block

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

