



Weed Instrument

Fiber Optics



EOTec 2000 Ethernet

2E54 Switched Media Converter

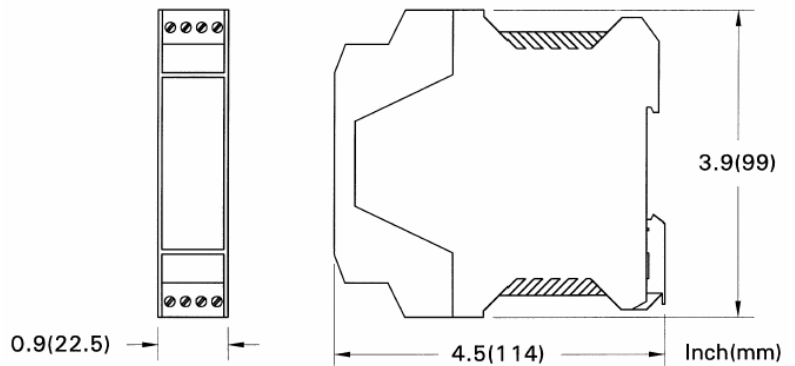


The 2E54 Switched Media Converter Module provides fiber optic conversion to and from wire based Ethernet. The Fiber port operates at 100Mbps and the RJ45 port will auto-negotiate its data rate between 10/100Mbps, Full/Half duplex operation. The 2E54 will automatically learn the addresses of the devices 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 @ 500mA, via the BUS interconnection (Any Model of 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, Auto-negotiating
 Fiber/BUS Port: 100Mbps [100Base-T(F)X], Full Duplex

Optical Port

Wavelength: 1300nm
 Connectors: ST compatible (ST is a trademark of AT&T)
 Fiber Type/Size: Multi-Mode fiber; 50 to 100µm core diameter
 Dynamic Range: 9dB

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



Approved

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

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

