

## 2E58 Switched Media Converter



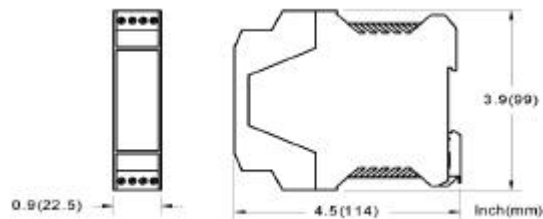
The 2E58 Switched Media Converter Module provides fiber optic conversion to and from wire based Ethernet. The Fiber port operates at 100Mbps and the RJ45 port will auto-negotiate its data rate between 10/100Mbps, Full/Half duplex operation. The 2E58 will automatically learn the addresses of the devices 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 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 (except 2A50)

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

**Data Rates**

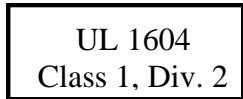
- RJ45 Port: 10 or 100Mbps (10/100Base-T(X)), Full Duplex, Automatic wiring correction
- Fiber/BUS Port: 100Mbps (100Base-T(F)X), Full Duplex

**Optical Port**

- Wavelength: 1300nm
- Connectors: SC compatible
- Fiber Type/Size: Single-Mode fiber; 5 to 10μ 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

