

## 2E59 Switched Media Converter



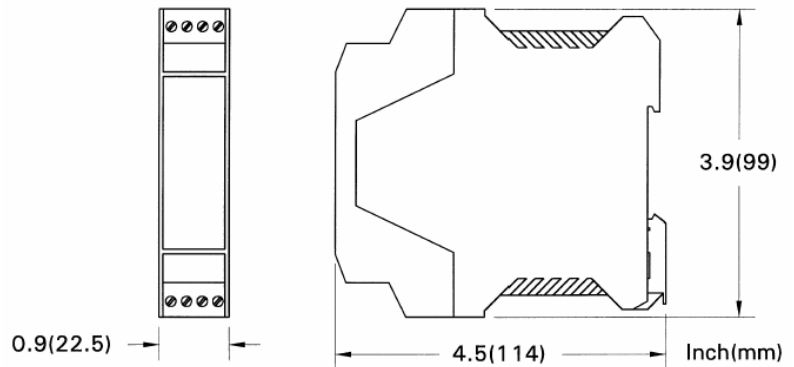
The 2E59 Switched Media Converter Module provides fiber optic conversion to and from wire based Ethernet. The Fiber port operates at 100Mbps and the RJ45 port will auto-negotiate its data rate between 10/100Mbps, Full/Half duplex operation. The 2E59 will automatically learn the addresses of the devices 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	
Wire Connection Ports		
RJ45 Port:	10 or 100Mbps (10/100Base-T(X)), Full or Half Duplex, Auto-negotiating, 328ft/100m	
BUS Port:	100Mbps (100Base-TX), Full Duplex, connection to one additional module maximum	
Optical Ports		
Wavelength:	1300nm	
Data Rate:	100Mbps (100Base-FX), Full Duplex	
Connectors:	SC compatible	
Fiber Type/Size:	Single-Mode fiber; 5 to 10µm core diameter	
Dynamic Range:	Power out -15dBm, Receive sensitivity -31dBm, 9.3mi/15km	
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 0 to 95% Relative Humidity Non-Condensing	

