**Weed Instrument Fiber Optics**

# EOTec 2000 Ethernet

# 2R50 Self Healing Ring Hub

The 2R50 Ethernet, 10 BASE-T, Self-Healing Ring, Hub Module performs routing functions to and from the 2F50 Self-Healing Ring Media Converters and the RJ45 Ethernet ports. Preamble regeneration, data collision detection and segmentation are built in functions of the design. Operational power is obtained from the Model 2A50 Power Supply (115/230Vac input) or by connecting directly to the top mounted screw terminal block with 24Vdc.
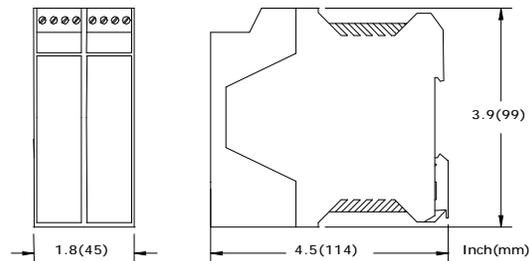
The 2C50 will continuously check the Ethernet ports and provide visual (LED) indications of Link status. Additionally, it will provide independent local (LED) and remote (relay contact) indication of the receive optical port status from each of the two 2F50 Self-Healing Ring Modules to which it is connected.

# SPECIFICATIONS

Mechanical:



| | | |
|---|---|---|
| Mounting: | 35mm DIN Rail | |
| Weight: | < 9oz ( 250g ) | |

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|---|---|
| Power Requirements: | Power is supplied via BUS interconnections from the Model 2A50 Power Supply or 24Vdc ±20% @ 320mA via the screw terminal block |
| Communications Data: | 10 BASE-T (10 Mbps) |
| Ethernet Port Connections: | 2 x RJ45 available (2 connect the 2F50 modules to the 2R50) |
| Status Indicators: | Green LED, Power<br>Red LED, Data Collision |
| Ethernet Ports: | Yellow LED, Receive Data<br>Green LED, Functional Link |
| Optical Ports (Bi-Color): | Green indicates functional receive optical link<br>Red indicates non-functional receive optical link |
| Relay Contact Rating: | 175VDC, 0.25A Switching, 1 A Continuous |
| Connectors: | Pluggable, Cage-Clamp, Screw Terminal Blocks accept 12 to 24AWG |
| Ambient Conditions: | -20°C to 70°C Storage<br>0°C to 55°C Operational<br>30 to 95% Relative Humidity Non-Condensing |

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