

2C23 Profibus Self Healing Ring Interface Module



The 2C23 Module provides electrical interface to the Profibus-DP Protocol by conditioning the electrical signals supplied to and from the Profibus wire-cable network for transmission over a redundant ring fiber optic network.

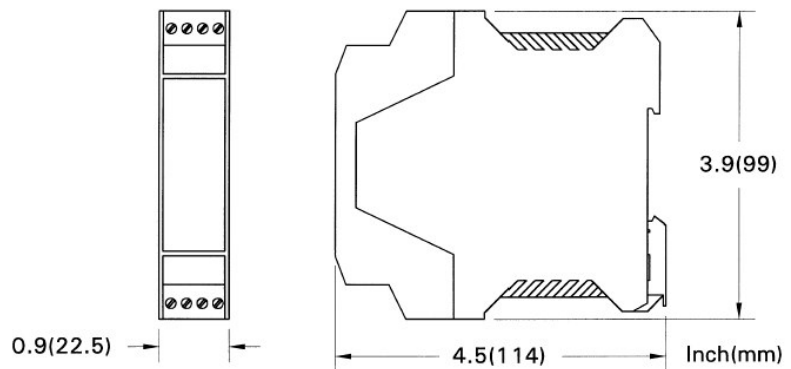
The basic modem configuration consists of a 2C23 Interface, and two Optical Interface Modules. A 15 to 30Vdc supply input is available on the module. An additional power supply module may be added to provide redundancy or other power options. The module provides relay alarm outputs for fiber status. Four LEDs indicate power, electrical communications and fiber status.

SPECIFICATIONS

Mechanical:

Mounting: 35mm DIN Rail

Weight: < 9oz (250g)



Power Requirements:

15 to 30Vdc @ 400ma via the screw terminal block,
or 7.5Vdc @ 200mA max, via the BUS interconnections
(any of the EOTec 2000 power supply modules)

Profibus Conformance:

Conforms to Profibus-DP wire-cable network specifications and requirements

Data Rates

(Auto negotiated):

9.6K, 19.2K, 45.45K, 93.75K, 187.5K, 500K, 1.5M, 3.0M, 6.0M and 12.0M bps

Wire-Cable Connection:

Unit has a standard Profibus 9-pin D-sub female connector

Maximum Nodes/Wire Length:

Conforms to Profibus wire-cable specifications,
all Profibus requirements for wire-cable networks apply

Fiber Optic Compatibility:

Proprietary fiber network, conformity with other manufacturer's products is neither expressed nor implied

LED Indicators:

Power – Green, Communications activity – Green, Fiber Status – Red\Green

Relay Contact Rating:

175Vdc, 0.25A Switching, 1A Continuous

Ambient Conditions:

-40°C to 85°C Operational
0 to 95% Relative humidity non-condensing

