Safety and Warning Information

Connect the DIN Rail via the End Clamp (2A09) to protective earth ground with low impedance. The modules are grounded to PE when they are snapped onto the DIN Rail.

Further technical information can be obtained by contacting Weed Instrument Co., Inc., Fiber Optic Products Group.

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Weed Instrument

Fiber Optics

2C22

EOTec 2000 Electrical Module

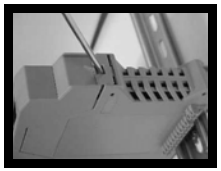
Installation Instructions

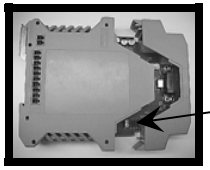
Compatible with:

PROFIBUS-DP Communications Protocol

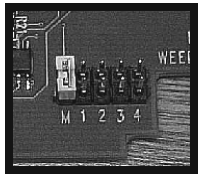
Operational Settings

Use a small screwdriver to press on the latches (indentations) at the top and bottom of the housing and *Partially* slide the housing open.





Network Topology Jumper Location



Each module of the modem must be configured based on the network topology to be used. This is accomplished by positioning a single jumper in each module.

Standard (Point-to-Point, Daisy Chain, Star):

Electrical Module	M
Optical Modules (as added)	1,2,3,4

Self-Healing Ring (Fiber Media Redundancy):

Self-Healing Ring Module	1
Electrical Module	1
1st Optical Module	2
2nd Optical Module	3

Repeater (Optical or Electrical):

1st Module	M
Additional Modules (as added)	1,2,3,4

The optical module(s) must also be configured for the communications protocol to be used, in this case, PROFIBUS. Please refer to the optical module's instruction sheet for the setting of the Mode jumper.

Close the housing by sliding it back together until both the top and bottom latches "click" into place.

DIN Rail Mounting

Installation on DIN rail:
Place the top lip of the module's DIN rail mounting channel onto the DIN rail. Push the lower portion of the module towards the mounting surface until it "clicks" and locks into place. Firmly slide the modules together such that the module sides are touching. This ensures a good connection of the integrated BUS interconnection at the rear of the modules. Install End Clamps (Model 2A09) to both sides of the module bundle to prevent accidental unplugging of the BUS interconnections. The End Clamps also provide convenient screw terminals for connecting the DIN rail to Protective Earth (PE) ground.

Removal from DIN rail:
Remove the End Clamps from the module bundle. Disconnect the BUS interconnections by sliding the modules at least 1/2" apart from each other on the DIN rail. Insert a screwdriver into the rectangular hole in the metal mounting latch at the bottom of the module. Pushing up on the screwdriver's handle causes the latch to move downward and disengages it from the DIN rail. Tilt the module up and lift it off of the DIN rail.

LED Indicators

Power:	Green
Communications Activity:	Amber

Specifications

Mounting:	35mm DIN Rail
Weight:	< 9 oz (250g)
Power Requirements:	7.5 to 9.5Vdc @ 200mA Supplied from any EOTec 2000 Power Supply via the integrated BUS interconnections
Max. Nodes/ Wire-cable Length:	Conforms to PROFIBUS wire-cable specifications for maximum number of nodes and wire-cable length, all PROFIBUS requirements apply
Fiber Optic Compatibility:	Proprietary Fiber network, conformity with other manufacturer's PROFIBUS fiber products is neither expressed nor implied
Data Rates (bps) Auto negotiating:	9.6K, 19.2K, 45.45K, 93.75K, 187.5K, 500K, 1.5M, 3.0M, 6.0M and 12.0M
Wire-cable Connector:	PROFIBUS 9-pin D-Sub
Modem Delay (wire-fiber-wire)	
9.6k to 3M bps:	2 bit times (2/bps)
6M and 12M bps:	22 bit times (22/bps) + 1.5µs/1000ft of fiber (5µs/1km of fiber)
Operating Range	
Temperature:	-40 to 85°C
Relative Humidity:	0 to 95% (non-condensing)
Flammability:	UL 94V-0