

Safety and Warning Information



Hazardous Voltage:

Only Authorized Personnel may service this equipment.



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. The End Clamps will accept wire sizes from 12 to 24 AWG.



Do not connect this supply to EOTec 2000 Ethernet Modules 2C50, 2C51, 2E50, 2E51, 2F50 or 2R50. The above modules can be powered from the 2A50 Power Supply Module only.

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

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Important Notice - Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risk and liability in connection with such use. WEED INSTRUMENT'S WRITTEN WARRANTY FOR THE PRODUCT IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The user's exclusive remedy for breach of Weed Instrument's written warranty shall be the repair or replacement of such quantity of product which is proven to be defective. In no case shall Weed Instrument be liable for any special, incidental, or consequential damages based upon breach of contract, negligence, strict liability or other legal theory.

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Weed Instrument
Fiber Optics

2A16

EOTec 2000 Power
Supply Module

Installation Instructions



Compatible with:

EOTec 2000 PLC/Fiber Modems

**85 to 240 VAC, 50/60 Hz
or 85 to 140 VDC Input**

**Supplies 7.5 VDC @ 1.1A operating
power output to modem BUS
Interconnections**

**Alarm Relay Output indicates
loss of supply output**

Connections

Power:

Power to the unit is supplied via connections at the top-front of the module. A pluggable, cage-clamp, screw terminal block is connected to the supply voltage as follows (terminals numbered from left to right):

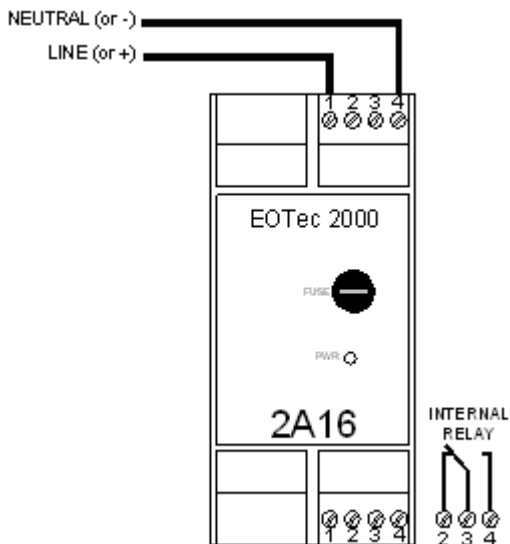
Terminal 1	AC Line or DC (+)
Terminal 2	no connection
Terminal 3	no connection
Terminal 4	AC Neutral or DC (-)

Protective Earth (PE) ground is connected to the module via the DIN rail and the Model 2A09 End Clamps (two supplied). The End Clamps will accept wire sizes from 12 to 24 AWG.

Alarm Relay:

Connections to Form-C (SPDT) relay contacts are available at the bottom-front of the module. The pluggable, screw terminal block connections are as follows (terminals are numbered left to right):

Terminal 1	no connection
Terminal 2	Open on Failure (no power)
Terminal 3	Common
Terminal 4	Closed on Failure (no power)



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

The green "PWR" LED indicator will illuminate whenever the 7.5Vdc BUS operating power is available to the other modules in the modem.

Specifications

Mounting:	35mm DIN Rail
Weight:	< 10 oz (285g)
Power Requirements:	90 to 260Vac, 50/60 Hz, 120 to 260Vdc, 400mA
Output to Integrated BUS Interconnections:	7.5Vdc, 1.1A
Screw Terminals:	Pluggable, cage-clamp, screw terminal block Accept 12 to 24 AWG
Alarm Relay Contacts:	Form-C (SPDT), 175Vdc, 1A Continuous, 0.25A Switching
Input Fuse:	250V, 400mA,slow-blow 5 x 20mm Littlefuse # 218.400 Always replace fuse with the same type and rating
Operating Range	
Temperature:	-40 to 85°C
Relative Humidity:	0 to 95% (non-condensing)
Flammability:	UL 94V-0

