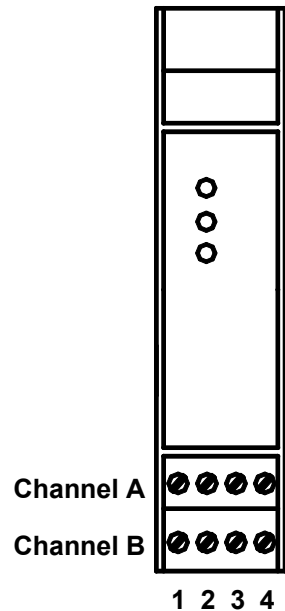


Connections



Note: Use shielded cable for all connections.

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.

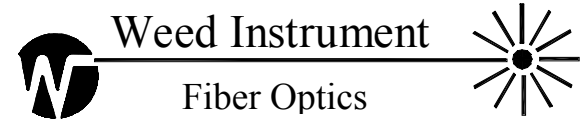
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2K02

EOTec 2000 Multi-Channel
Contact Closure
Two Output Module

Installation Instructions



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

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Email: fiberop@weedinstrument.com

Visit: www.weedinstrument.com

**Provides transfer of two additional
channels of contact closure
information to a mated receive
module**

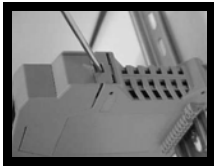
Operation

The 2P02 module provides for two additional independent channels of dry contact closure input signals. These signals are transferred to a mated transmit module via the module's integrated BUS interconnections. There they are multiplexed and conditioned for transmission over a single fiber optic output. The optical signal transferred to the partnered receiver module is then de-multiplexed and the actuation signals are transferred to their respective 2K02 module's relay outputs. Closing a contact at an input causes a Form-C (SPDT) relay at the partnered output module to energize.

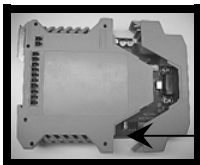
Up to four 2P02 modules may be mated with the transmit module and up to four 2K02 modules may be mated with the receive module to increase the number of multiplexed contact closure channels to a total of ten.

Operational Settings

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



Module Selection Jumper: Each 2K02 output module must be set to the same number as its partnered 2P02 input module on the opposite end of the fiber link. The default setting is "1".



Module Selection Jumper

Closing: 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 ensuring 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.

Operating Power

The operating power is transferred via the integrated BUS interconnections to all adjacent modules from any EOTec 2000 power supply or the 2Hxx module.

LED Indicators

PWR (Power):

Green - On when operating power is present

CH A (Channel A):

Green - On when "A" relay is energized

CH B (Channel B):

Green - On when "B" relay is energized

Specifications

Mounting:	35mm DIN Rail
Weight:	< 9 oz (250g)
Power Requirements:	7.5 to 9.5Vdc @ 200mA, (supplied from any EOTec 2000 power supply or interconnected 2Hxx module)
Data Update Rate:	15ms maximum, regardless of the number of channels utilized
Output Contacts:	SPDT (Form-C) relay
Rating (max):	220Vdc, 250Vac 2A switching 3A continuous
Output Connection:	Via pluggable, screw terminal blocks, located at the bottom-front of module, accepts 12 to 24 AWG
Operating Conditions	
Temperature:	-40 to 70°C
Relative Humidity:	0 to 95% (non-condensing)
Flammability:	UL 94V-0