



OPR-4

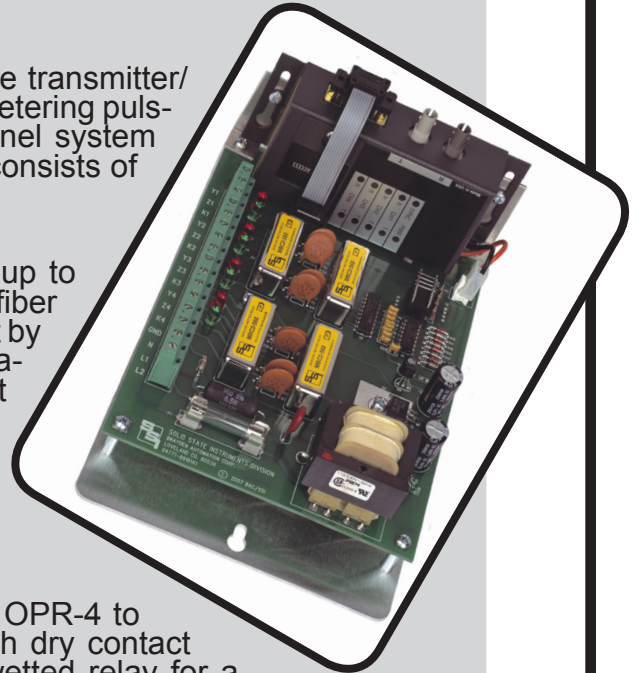
OPTICAL PULSE RECEIVER

The OPL-4 Optical Fiber Pulse Link Systems are transmitter/receiver pairs that use fiber optic cable to send metering pulses over long distances. The OPL-4 is a 4-channel system with four inputs and four outputs. Each system consists of an OPT-4 transmitter and an OPR-4 receiver.

The OPR-4 can receive pulses over distances up to approximately 3 miles, depending on the type of fiber optic cable used. Pulses are conditioned and sent by the cable to the OPR-4, where the pulse information is validated and implemented into the correct pulse state. Outputs are configured as Form C, but can be used as Form A (2-wire) or Form C (3-wire) depending on the transmitter's input configuration selections. An OPR-4 receiver requires an OPT-4 transmitter.

Bright red and green LEDs are included on the OPR-4 to monitor the output status of each channel. Each dry contact output features a heavy-duty 2 AMP mercury-wetted relay for a no-bounce contact with internal transient suppression circuitry to eliminate contact wear and noise. Rapid pulse rates in excess of 20 pulses per second are possible.

The OPR-4 is available standard on a .062" aluminum mounting plate with key-hole mounting slots for quick mounting. The unit is 2.0 pounds and is 5.50" wide, 9.50" long, and 3.50" high. The unit has the option of being mounted into a NEMA 4X raintight and dustproof enclosure which is 12.0" high, 10.0" wide, and 6.0" deep.



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OPR-4 SPECIFICATIONS

ELECTRICAL

Power Input: 120, 208-277 VAC Burden: 5 VA

Input: Optical Fiber Input from OPT Transmitter

Output: Four Form C (K,Y, & Z) mercury-wetted dry contact outputs

Maximum Output Voltage: 250VAC

Maximum Output Current: 2 AMP

Maximum Output Power Rating: 100 VA

Contact Resistance: 50 milliohms typical

Switching Time: 2-3 milliseconds typical

Input to Output Isolation: 1550 V

MECHANICAL

Mounting: Vertical +/- 30 degrees. Mounted on an aluminum base plate with mounting tabs and keyhole slots

Size: 5.50" wide, 3.50" high, 9.50" long

Weight: 2.0 pounds

TEMPERATURE

Temperature Range: -38° C to +70° C, -36.4° F to +158° F

Humidity: 0 to 98% non-condensing

OPTIONS

Input Voltages: Contact Factory

Enclosure: NEMA 4X raintight and dustproof enclosure available. 12.00" high, 10.0" wide, 6.0" deep

Fiber: Single mode model available by special order



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