

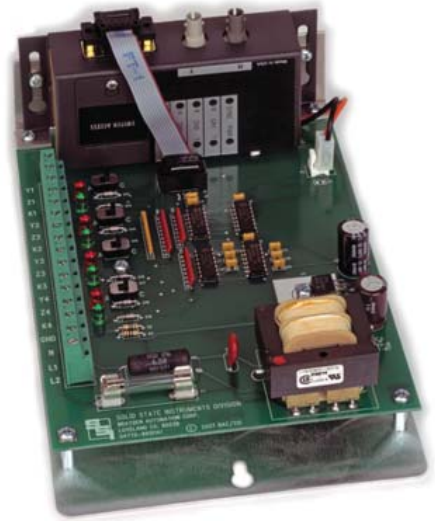


PULSE LINKS

OPT-4 OPTICAL PULSE TRANSMITTER

DESCRIPTION

The OPL-Series of Optical Fiber Pulse Links are transmitter/receiver pairs that use fiber optic cable to send metering pulses over long distances. Each system consists of an OPT-4 transmitter and an OPR-4 receiver. This system makes it possible to quickly implement an optical pulse link with minimal effort and it includes all power supplies, wetting voltages, isolation relays and connectors making it possible to have the optical link up and running in minutes. The system does not include the fiber optic cable.



The OPT-4 transmitter is designed to receive pulses from up to four electric meters' KYZ pulse initiators. Pulses are conditioned and sent by the cable to an OPR-4 receiver where the pulse information is validated and implemented into the correct pulse state. It is required that an OPT-4 transmitter be paired with an OPR-4 receiver.

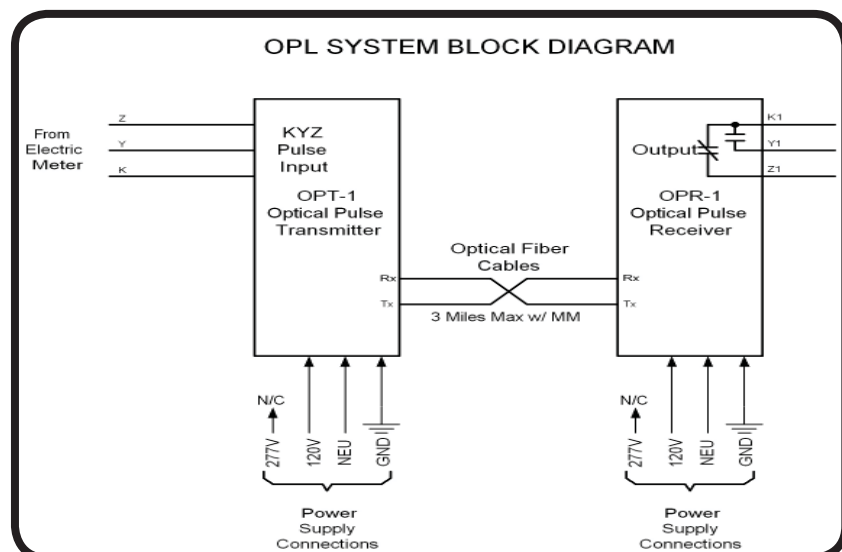
Bright red and green LEDs monitor the input status to the OPT transmitter and provide easy and immediate visual system checking without test equipment. An input form selector switch allows each channel to be individually set as a Form A (2-wire) or Form C (3-wire) selector switch.

The OPT-4 comes standard mounted on an .062" aluminum base plate with mounting tabs and keyhole mounting slot. The unit is 5.50" wide, 9.50" long, and 3.50" high and it weighs in at 2.0 pounds. It is also available in a NEMA 4X rain-tight and dustproof enclosure which is 12.0" high, 10.0" wide, and 6.0" deep.

OPT-4

FUNCTIONAL SUMMARY

	IN	OUT
#	4	1
TYPE	2 or 3 Wire	Optical Fiber
FORM	A or C	-





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SPECIFICATIONS

ELECTRICAL

Power Input:	120, 208-277 VAC. Burden: 5 VA
Signal Input:	Four Form C (K,Y, & Z) inputs from the sending device
Output:	Optical Fiber Output to OPR Receiver
Sense Voltage:	+13VDC provided to the sending device(s)
Transmission Distance:	Apx. 3 miles using multimode fiber

MECHANICAL

Mounting:	Any position. Mounted on aluminum base plate with mounting tabs and keyhole slots
Size:	5.5" wide, 9.5" high, 3.5" deep
Weight:	2 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. 12.0" high, 10.0" wide, 6.0" deep
Fiber:	Single mode model available by special order

OPT4