

LIGHT SENSOR - PSR SERIES

DESCRIPTION:

The PSR-1 is a Light Sensitive Resistor that may be used as an input to indicate the presence of light at the sensor location. The PSR-1-T is a PSR-1 coupled with a B420-P transmitter. The PSR-1-T produces a 4 - 20mA output signal. The sensor is designed to be mounted in the end of a weatherproof conduit box.

SPECIFICATIONS:

PSR-1	
Output (non-linear)	>1 M Ω in dark <1.5 k Ω in bright light
Temperature	-25°C to 75°C (-13°F to 167°F)
PSR-1-T	
Power	12 - 35 VDC
Max current draw	22mA
Output (linear)	4 - 20mA (current limited to 22mA)
Temperature	-25°C to 75°C (-13°F to 167°F)

APPLICATION:

The PSR-1 has a resistance in darkness in excess of 1 M Ω and resistance in bright light of less than 1.5 k Ω .

The PSR-1 and PSR-1-T indicate the presence or absence of light. They should not be used for foot-candle control of occupied spaces. The PSR-1-T is calibrated for 4mA in bright light > 100 foot-candles and 20mA in darkness < 0.1 foot-candles.

PSR: PRODUCT ORDERING INFORMATION

MODEL	PRODUCT DESCRIPTION	
PSR	RESISTIVE LIGHT SENSOR	
	CODE	OPTIONS
	1	Sensor only
	T	4 - 20mA Transmitter
	E	Weatherproof Enclosure

EXAMPLE:

Light sensor c/w 4 - 20mA output in weatherproof enclosure

PSR-1-T-E