

# 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:

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

## APPLICATION:

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

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**