

Application

The PSR-1 sensor 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 transmitter. The PSR-1-T produces a 4-20ma output signal. The sensor is designed to be mounted in the end of our weatherproof enclosure (PSR-1-T-E).

Operation

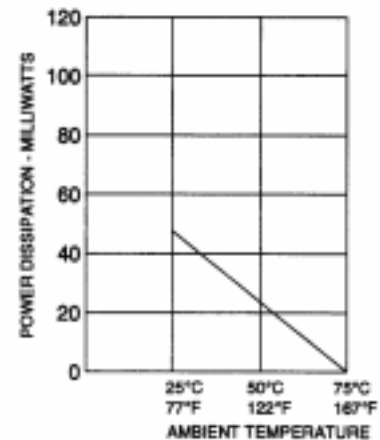
There is no specific calibration of the PSR-1 and PSR-1-T. The PSR-1 has a resistance in darkness in excess of 1 mΩ and a resistance in bright light of less than 1.5 kΩ.

The PSR-1 and PSR-1-T indicate the presence or absence of light. They should not be used for footcandle control of occupied spaces. The PSR-1-T is calibrated for 4 mA in bright light and 20 mA in darkness.

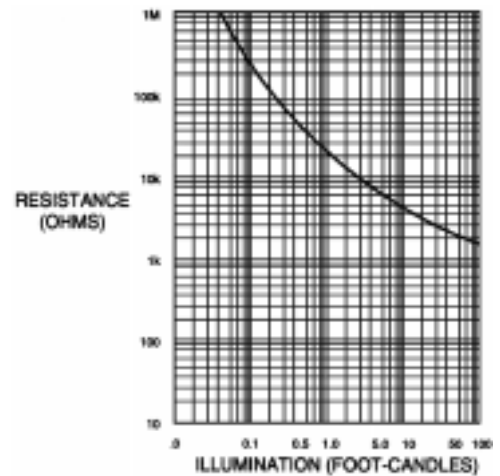
Specifications, PSR-1 & PSR-1-T

<u>PSR-1</u>	
Output	> 1mΩ in dark & < 1.5kΩ in bright light
Temperature	-25°C/+75°C (-13 – 167F)
<u>PSR-1-T</u>	
Power	12-35 Vdc
Max current draw.....	22 mA
Output	4-20 mA (current limited to 22ma)
Temperature	-25° – 75°C (-13° – 167°F)

Power Derating Curve



Resistance Curve



Wiring

