



Rev. 07/16/24

Outdoor Light Level Sensor

G25

Accessories for HVAC/R

Features & Options

- 0 to 2,000 Lux or 0 to 875 Foot Candle Ranges
- Extremely Sensitive, Even in Dim Lighting (<10 Foot Candle or 108 Lux)
- Rugged and Watertight Enclosure

The BAPI Outdoor Light Level Sensor conserves energy by allowing lights to be shut off when the ambient light level exceeds a specified level. The sensor can also help ensure safety by allowing lights to be turned on when the ambient light falls below a specified level.

The unit comes in a rugged and watertight UV-inhibited polycarbonate enclosure with an IP66, NEMA 4 rating. The light level range is available as Foot Candle and Lux with 0 to 5V, 0 to 10V or 4 to 20 mA output. Custom ranges are also available.



Light Level Sensor



Sensor mounted in a parking lot facing north

Ordering Information

Part Number	Description
BA/LLV-05-LX[0 TO 2000]	Sensor with 0 to 5V Output, 0 to 2,000 Lux Range
BA/LLV-10-LX[0 TO 2000]	Sensor with 0 to 10V Output, 0 to 2,000 Lux Range
BA/LLV-20-LX[0 TO 2000]	Sensor with 4 to 20mA Output, 0 to 2,000 Lux Range
BA/LLV-05-FC[0 TO 875]	Sensor with 0 to 5V Output, 0 to 875 Foot Candle Range
BA/LLV-10-FC[0 TO 875]	Sensor with 0 to 10V Output, 0 to 875 Foot Candle Range
BA/LLV-20-FC[0 TO 875]	Sensor with 4 to 20mA Output, 0 to 875 Foot Candle Range

Custom light level ranges are available in Foot Candle or Lux. Contact BAPI for more info.

Note: 1 Foot Candle = 10.76 Lux • 1 Lux = 0.0929 Foot Candles

Specifications

Power Supply:

12 to 28 VDC, 22mA max (for 0 to 5 VDC or 4 to 20 mA Outputs)

15 to 28 VDC, 6 mA max (for 0 to 10 VDC Output)

Factory Selectable Outputs:

0 to 5V, 0 to 10V and 4 to 20 mA

Measurement Range:

0 to 2,000 Lux or 0 to 875 Foot Candle

Accuracy:

10 Lux ±10% of reading

Environmental Operation Range:

Temperature -40 to 185°F (-40 to 85°C)

Humidity: 0 to 100%, non-condensing

Enclosure Material:

UV-Inhibited Polycarbonate

Enclosure Rating and Material Rating:

IP66, NEMA 4 / UL94 V-0

