

TORK® Outdoor Light Sensor Model EPC-LC

Description

The model EPC-LC is a sealed, solid-state, outdoor light sensor designed to interface directly with the ELC series time controls for measuring outdoor light levels. It allows electrical control of a load based on set light levels.

The EPC-LC is weather-tight, temperature-resistant, and has a built-in IR filter to reduce or eliminate variations due to different sky conditions. The sensor is constructed to withstand most weather conditions without depreciation.

The sensor has a swivel to adjust for the proper installation.

Installation

1. The EPC-LC sensor is designed to be rooftop-mounted. Position the sensor to look at the open northern sky, facing away from any artificial lighting.
2. The EPC-LC sensor has a threaded base to allow it to screw into a standard threaded ½" conduit fitting or ½" knockout junction box.

Wiring

1. To prevent electrical shock and equipment damage, disconnect power to the ELC series control prior to installation.
2. To prevent equipment damage, discharge any static charge you may have accumulated by touching the grounded metal before touching terminals, wires, connectors, or the keyboard.
3. To reduce noise pickup, the use of shielded wire or twisted pair of wires is recommended. Please follow the wire length chart. Longer runs may impair accuracy and reduce the range of the sensor. Do not run the sensor wiring with or near power wiring.
4. Wire the EPC-LC sensor to the ELC time control as illustrated in Figure 1.
5. The EPC-LC is calibrated to 250 foot-candles.

Specifications

Operating Temperature: -40° F to 140° F (-40°C to 60°C). Accuracy: ± 10% over the specified light range.

FIGURE 1

