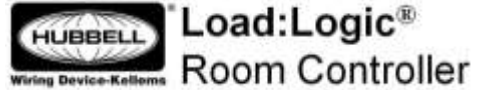


Room Controller Daylight Sensor Installation Instructions



Precautions

- **READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**
- **CAUTION:** For use with **Class 2**, low voltage systems only. **Do not use in high voltage applications.**
- **CAUTION - RISK OF ELECTRICAL SHOCK.** To prevent electrical shock, turn OFF power at the circuit breaker before installing or servicing unit. Never wire energized electrical components.
- **NOTICE:** Do not install if product appears to be damaged.
- Be sure to read and understand all instructions before installing or servicing unit
- For Indoor use only. Do not use outdoors.
- A disconnect switch or circuit breaker must be provided and marked as the disconnecting device.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Confirm that device ratings are suitable for the application prior to installation.
- No user serviceable parts contained inside unit. Refer all service related questions to the factory.
- All servicing shall be performed by qualified service personnel.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Do not use this equipment for other than intended use.

Description

Hubbell Wiring Device-Kellems daylight sensors provide the necessary daylight level information to the Load:Logic® Room Controller. Using a photodiode element, the daylight sensor continuously measures daylight levels and sends the information to the room controller which performs daylight switching or dimming functionality based on the amount of natural light in the space being controlled.

Specifications

- **Power Requirements:** Powered by Hubbell Wiring Device-Kellems Load:Logic® Room Controller using wiring adapter and plenum rated UTP patch cord (sold separately)
- **Foot candle ranges:** 3-300FC; 30-3,000FC; 60-6,000FC
- **Environment:** **RCDP** - Indoor use only. **RCODP** – IP54 Outdoor
- **Operating Temperature:** -40°C to 50°C
- **Warranty:** Five-year limited

SAVE THESE INSTRUCTIONS!



Daylight Sensor Placement

The daylight sensor must be placed to see only daylight with no contribution from other artificial light sources. The sensor typically mounts on the ceiling between the window and the row of fixtures closest to the window (See Figure 1). For skylight applications, the sensor mounts in the light well with the sensor aimed towards the daylight.

Installation

1. The sensor's foot candle range is set via a jumper switch. Default setting: 3-300FC (Typical for most indoor applications). If the sensor's range needs to be changed, pry cover off using a screwdriver and set jumper switch accordingly. Refer to **Changing Daylight Sensor Settings** below if change is necessary.
2. Apply mounting tape to back of sensor.
3. Attach sensor to ceiling, wall or skylight. Note: Peak sensitivity is achieved when sensor is placed at a 45 degree angle to window (See Figure 1). When used with skylight, point sensor up towards the daylight rather than down towards room.
4. Connect the UTP patch cord to any of RJ45 ports on the room controller (See Figure 2).
5. Route the UTP patch cord from the room controller to the daylight sensor. Patch cord runs between the room controller and the daylight sensor must be direct and free of obstructions. Avoid kinks, crushing, twisting, straining, abrasion, hot/cold and EMI/RFI exposure of the patch cords as this may result in an undesired system operation.
6. Connect the UTP patch cord into the daylight sensor's RJ45 adapter port.
7. Perform system setup and/or programming activities as applicable. Consult the Load:Logic® **Room Controller Installation Instructions** for additional information.

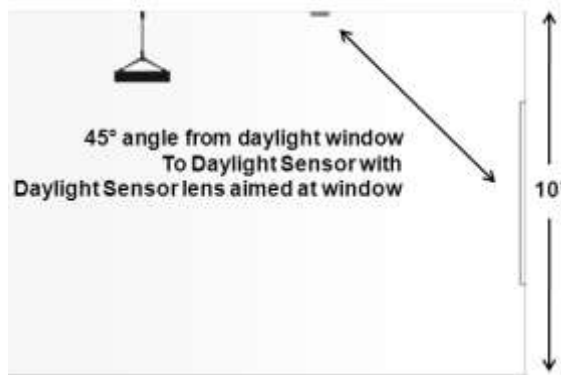


Figure 1
Daylight Sensor Placement

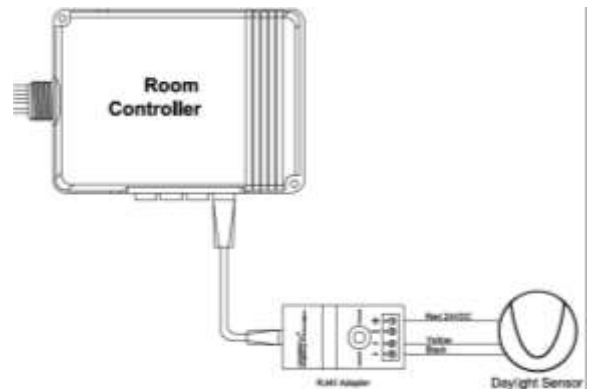


Figure 2
Daylight Sensor Connected to the Room Controller

Changing Daylight Sensor Settings

Perform these changes only if necessary to ensure proper daylight sensor operation.

IN MOST CASES THE STANDARD FACTORY SETTING OF 3-300FC WILL BE OPTIMAL.

1. Gently remove cover from back of daylight sensor, taking care not to lose it.
2. Change sensor setting; first remove the black pin cap. Take care not to lose the black pin cap.
3. To change setting, re-insert black pin cap as shown below.
 - a. To set at 3-300FC, place black pin cap over top two pins, placed horizontally (See Figure 3).
 - b. To set at 30-3000FC, place black pin cap over center two pins, placed horizontally (See Figure 4).
 - c. To set at 60-6000FC, place black pin cap over bottom two pins, placed horizontally (See Figure 5).



Figure 3



Figure 4



Figure 5