

PRECAUTIONS

- Read and understand all instructions before beginning installation.
- **CAUTION: FOR USE WITH CLASS 2, LOW VOLTAGE SYSTEMS ONLY. DO NOT USE IN HIGH VOLTAGE APPLICATIONS.**
- **NOTICE:** For installation by a licensed electrician in accordance with National and/or local Electrical Codes and the following instructions.
- Confirm device ratings are suitable for application prior to installation. Use of device in applications beyond its specified ratings or in applications other than its intended use may cause an unsafe condition and will void manufacturer's warranty.
- Use only approved materials and components (i.e. wire nuts, electrical box, etc.) as appropriate for installation.
- **NOTICE:** Do not install if product appears to be damaged.

SAVE THESE INSTRUCTIONS!

DESCRIPTION

The NX Daylight Sensor provides the necessary daylight-level information to the NX Room Controller. Using a photodiode element, the daylight sensor continuously measures daylight levels and sends the information to the Room Controller which then performs daylight switching or dimming functionality based on the Amount of natural light in the area.

SPECIFICATIONS

Power Requirements	Powered by NX Room Controller using wiring adapter and plenum rated CAT5 plug and play cables (sold separately)
Foot candle ranges	3-300FC; 30-3,000FC; 60-6,000FC
Operating Environment	NXDS: Indoor use only. Operating temperature: 32° to 104°F (0° to 40°C) NXDS-O: Outdoor use, IP54 rated. Operating temperature: -40° to 122°F (-40° to 50°C)
Warranty	Five-year limited warranty

DAYLIGHT SENSOR PLACEMENT

The Daylight Sensor must be placed to see only daylight with no contribution from 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 lightwell with the sensor aimed towards the daylight.

SENSOR 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 (lensed area) up towards daylight rather than down towards room.
4. Plug the CAT5 cable into any available SmartPORT™ on the NX™ Room Controller (See Figure 2). Verify solid snap-in connection.
5. Route the CAT5 cable from the Room Controller to the Daylight Sensor. NOTE: Low voltage wiring must be isolated from line voltage wiring. Consult National and Local Electrical Codes for conduit requirements.
6. Plug the Green CAT5 cable into the Daylight Sensor's RJ45 Adapter connector. Verify solid snap-in connection.
7. Perform system setup and/or programming activities as applicable. See "NX Room Controller Operation Guide" for additional information.

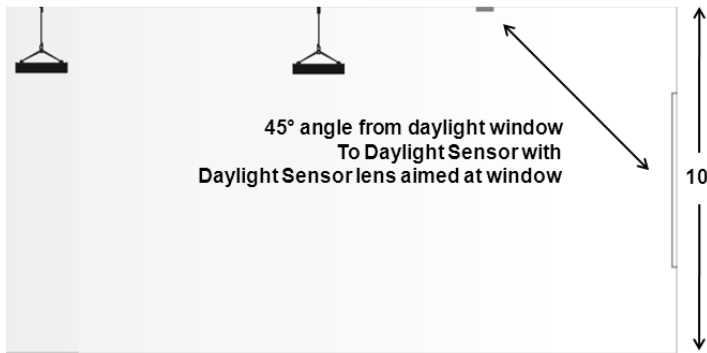


Figure 1: Daylight Sensor Placement

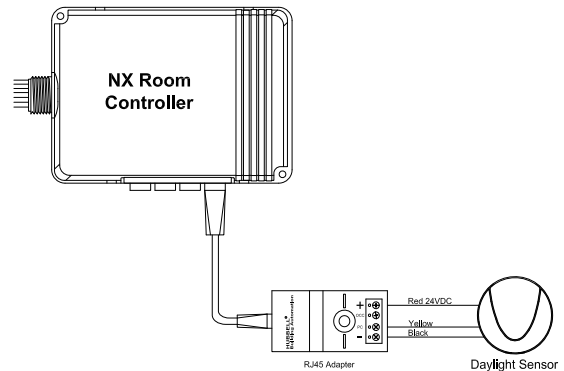


Figure 2: Daylight Sensor connected to NX Room Controller SmartPORT

CHANGING DAYLIGHT SENSOR SETTINGS

Perform these changes only if necessary to ensure proper daylight sensor interaction with the wiHUBB® Smart Pack.

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

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