PRECAUTIONS

- Read and understand all instructions before beginning installation.
- 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.
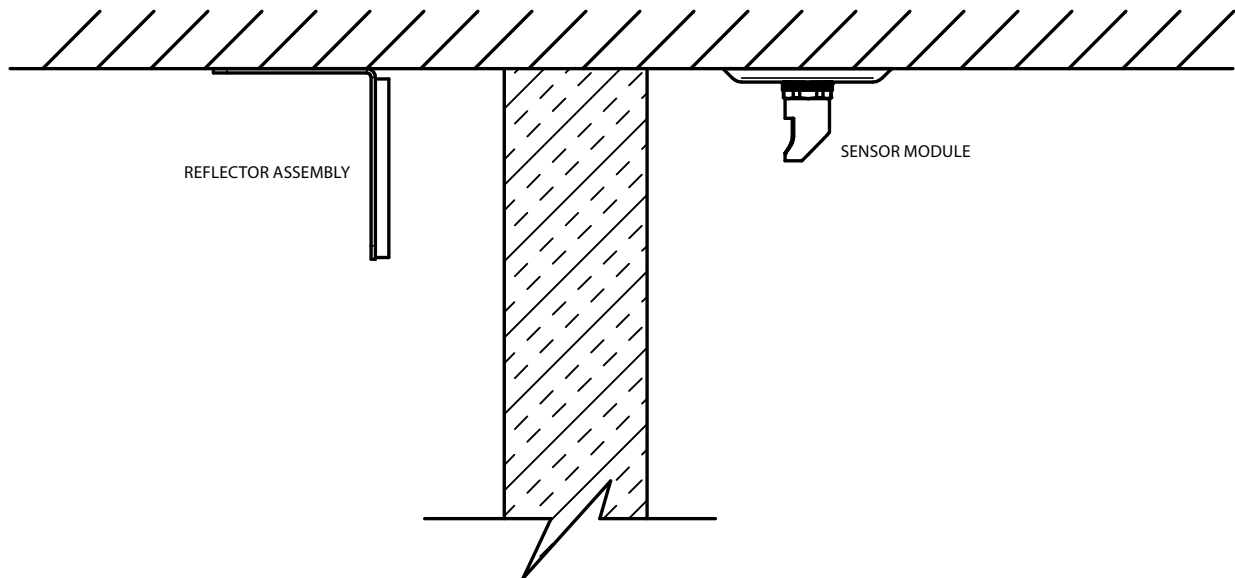
SAVE THESE INSTRUCTIONS

DESCRIPTION

The NXWPS Room Combine Partition Sensor consists of a photo eye sensor and a reflector assembly. The sensor and reflector are mounted to the ceiling on opposing sides of a movable partition wall that separates rooms to be combined. One pair is required for each partition. Each sensor is connected to a NXCI Contact Interface Module which in turn is connected to a SmartPORT™ in one of the rooms. When the partition is extended to separate two rooms, the sensor beam is interrupted which signals the system that the adjacent room controls are to be separated. When the partition is withdrawn, the sensor beam signals the system that the rooms are to be combined into a single control area. Each set of combinable rooms support up to 16 NXWPS wall partition sensors.
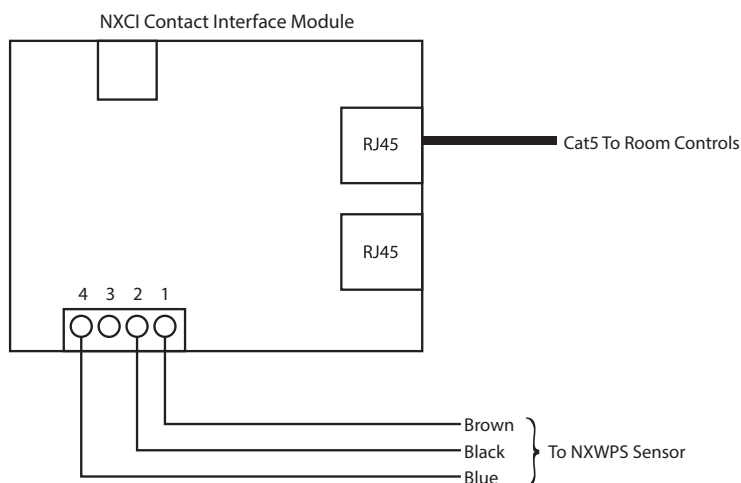
INSTALLATION

1. Choose a location on the ceiling where the sensor and reflector can be mounted such that they are in a direct line of sight with each other when the partition is not present.
2. Mount the single gang sensor plate to a suitable back box 6" to 12" from the face of the partition. Note that the right angle adapter on the sensor can be rotated to aid in the alignment. Complete the installation of the sensor before mounting the reflector assembly.
3. Connect the sensor to the NXCI module per the wiring diagram below using the supplied (non-plenum rated) cable. The cable may be shortened and re-stripped if required to suite the installation. Follow the instructions supplied with the NXCI for connection to the room controls.
4. Mount the reflector assembly to the ceiling 6" to 12" from the face of the partition using appropriate hardware (not supplied). Make certain that the face of the reflector is in alignment with the sensor.
5. After the controls in each combinable room are setup to meet requirements, use the NX Device Setup Tool App to program each of the wall partition sensors.

MOUNTING DETAIL

REFLECTOR ASSEMBLY

SENSOR MODULE

72-00644

HUBBELL® Control Solutions

HUBBELL

3478B 090418

WIRING DIAGRAM

NXCI Contact Interface Module

RJ45 — Cat5 To Room Controls

RJ45

4 3 2 1

Brown ⎫
Black ⎬ To NXWPS Sensor
Blue ⎭

SPECIFICATIONS

Input Voltage	24VDC supplied by NXCI SmartPORT
Output Voltage	24VDC
Sensing Method	Polarized retroreflective
Max. Sensing Range	4m
Operating Frequency	1 kHz
Environmental	IP67

72-00644

HUBBELL®

3478B 090418