

Install Guide

Wireless Ceiling Sensor



Models:

- PSC-ND-I-CM-BLE-XX
- PSC-BL-D-CM-BLE-XX



Device Overview

The mwConnect™ wireless ceiling mount sensors provide automatic lighting control using ultrasonic and/or PIR detection for occupancy detection.

Installation Preparation

WARNING: Controlling a load in excess of the specified rating will damage the device and may cause fire, shock or death. Ensure connected load does not exceed device rating.

IMPORTANT: Disconnect power when servicing any switch, controller or sensor.

NOTICE: Use this device with copper or copper clad wire only.

RESTRICTION: Do not attempt to disassemble or repair.

ATTENTION: Wireless range is dependent on device spacing, surrounding environment, and conditions. It is highly recommended to test for signal strength and accuracy.

Configurations

Figure 1: PSC-BL-D-CM-DC-BLE-XX Sensor

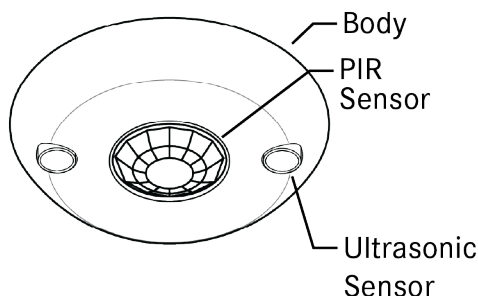
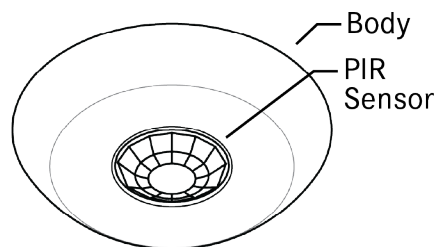


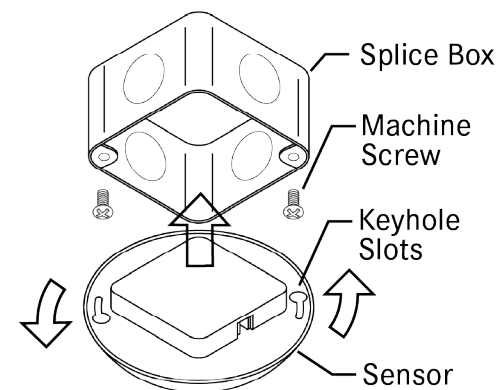
Figure 2: PSC-BL-I-CM-DC-BLE-XX Sensor



Installation

1. Turn off all circuit power during the following installation steps.
2. Install a 12-24Vdc power source. For automatic full shut OFF use a controller with a contact relay integrated.

Figure 3: PSC-ND-I-CM-DC-BLE-XX Sensor Install



3. Run the power source leads to the ceiling splice box where the sensor is going to be installed.
4. Using the J-box screws, secure the two mounting screws in opposing corners of the j-box. Leave an approximate 1/8" gap before fully bottoming the screw head on the j-box flange.

NOTE: Note: A directly downward looking position of the sensor is preferred for best performance. Only use horizontally mounted positions when no other option is available.

5. Connect the Black (-) leads between power source and sensor.
6. Connect the Red (+) leads between power source and sensor.
7. Lifting the sensor assembly to the splice box, align the key hole slots on the rear face of the sensor, with the two protruding screws from the J-Box. Press the sensor onto the screw heads and make a quarter turn to engage the screw heads with the key hole slots. Once the turning stops the sensor should be secure.

NOTE: Note: Once reenergized:

ND-I-CM (TruBlu and Casambi):

a) Undergoes a PIR stabilization period, during which the red LED remains solid. b) Once the stabilization period ends, the LED will blink upon motion detection.

BL-D-CM (TruBlu and Casambi):

a) Similar stabilization behavior as ND-I-CM. b) During stabilization, both the green and red LEDs stay solid. Afterward: Green

Installation Note: PSC-XX-y-CM Sensor - Wireless Ceiling Sensor

LED = Ultrasonic motion detection, and Red LED = PIR motion detection.

8. Restore power to the branch circuit.

Troubleshooting

TruBlu (-SR) or Casambi (-CB) Condition	Solution
Upon power up, a Red LED light is on for 12-15 sec. Then turns OFF.	The device is powered and completing warm up stabilization. No action is required.
Upon power up, a red LED and a green LED light are ON for 12-15sec. Then turns OFF.	The device is powered and completing warm up stabilization. No action is required.
The status LED is turning ON for 1 second and then OFF for 1 second continuously.	The device is in Identity Mode and communicating with the APP. Complete the provisioning.

TruBlu Commissioning Guide



For TruBlu models (partID ending in -SR), use this link to the Commissioning Guide:
https://mwconnect.us/trublu_commissioning/

Casambi Commissioning Guide



For Casambi models (partID ending in -CB), use this link to the Commissioning Guide:
https://mwconnect.us/casambi_commissioning/

Device Specifications

Specifications	
Input Voltage	12-24VDC
Current Consumption	**50 mA ***60 mA @ 12 VDC or; 40 mA @ 24 VDC
Wireless Range	100ft (30.4m)
Max. Sensor Range	**37ft (11.3m) radius ***PIR: 1600ft ² (150 m ²); Ultrasonic: 900ft ² (85m ²)***
Environment	RH: 90 to 95% non-condensing
Operating Temperature	-22°F to 158°F (-30°C to 70°C) -7°F to 131°F (-22°C to 55°C)*
Warranty	5 years
Foot Notes	**PSC-ND-I-CM, ***PSC-BL-D-CM

Limited 5 Year Warranty

mwConnect™ warrants, to the original or first end user purchaser and not for the benefit of anyone else, that this product at the time of its sale by mwConnect is free of defects in materials and in workmanship under normal and proper use for five years from the manufacture date. mwConnect's only obligation to correct such defects is by repair or replacement or by extending credit in the amount of the purchase, at its option. For details visit <https://mwconnect.us/> or call 1-888-600-9188. This warranty excludes and there is a disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for use is limited to five years. mwConnect is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein and the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

Contact

For Technical Assistance Call: 1-888-600-9188.

Certifications

- UL Listed
- CE
- FCC
- DesignLight Consortium (DLC)
- Bluetooth V5.0 ‡
- Bluetooth NLC †

NOTE:

‡ -CB mwConnect Casambi

† -SR TruBlu