Warranties and Limitation of Liability

Please refer to **www.cooperlighting.com** for our terms and conditions.

Garanties et limitation de responsabilité

Veuillez consulter le site **www.cooperlighting.com** pour obtenir les conditions générales.

Garantías y Limitación de Responsabilidad

Visite **www.cooperlighting.com** para conocer nuestros términos y condiciones.

CWPD Ceiling Mounted Wireless Sensor Wiring and Installation Manual

Overview

The Wireless Sensor is a key component of the WaveLinx Wireless Connected Lighting System. This device provides occupancy information of an area to the Cooper Lighting Solutions Wireless Controller. The Wireless Sensor utilizes passive infrared technology to determine occupancy and a photocell to provide open loop daylighting. It is powered by standard batteries (2 x AA) and communicates wirelessly to the Cooper Lighting Solutions Wireless Area Controller (WAC). The Wireless Sensor is intended to be installed onto a ceiling surface or electrical box
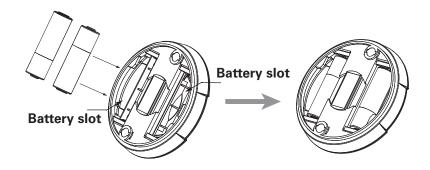
CWPD-1500 Extended Range

Important Safeguards

⚠ When using electrical equipment, basic safety precautions should always be followed including the following:

- **READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**

- Do not mount near gas or electric heaters.

- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

- The use of accessory equipment is not recommended by Cooper Lighting Solutions as it may cause an unsafe condition.

- Do not use this equipment for other than the intended use.

⚠ SAVE THESE INSTRUCTIONS

Battery Installation

Two AA alkaline batteries are provided with the Wireless Sensor. When replacing these batteries, use only alkaline type batteries. Install the batteries according to the battery compartment markings.

Battery slot

Battery slot

◯ **COOPER** Lighting Solutions
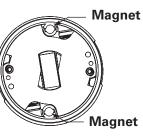
◯ **COOPER** Lighting Solutions

Sensor Installation

There are various methods that may be used to affix the Wireless Sensor to a ceiling surface.
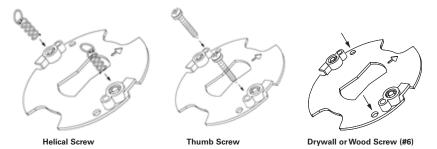
Magnetic:

Magnets have been incorporated into the Wireless Sensor allowing the device to be affixed to a metallic ceiling surface (metal plate, drop-ceiling T-bar, etc).

Magnet

Magnet

Surface-mount:

The Wireless Sensor may be installed directly to a ceiling surface (ceiling tile, drywall ceiling, etc). There are several techniques available to affix the Wireless Sensor directly to ceiling surfaces.
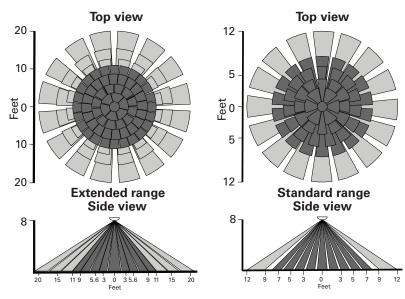
Helical Screw   **Thumb Screw**   **Drywall or Wood Screw (#6)**

Installation Notes

Consult www.cooperlighting.com for the most up-to-date revision of the wireless system design guide and install this product according to the guidelines described.

The Wireless Sensor is to be installed in dry, indoor locations ONLY. Do not install the Wireless Sensor in damp locations. Damp locations are defined as: interior locations subject to moderate degrees of moisture, such as some basements, some barns, some cold-storage warehouses, and the like, and partially protected locations under canopies, marquees, roofed open porches, and the like.

The Wireless Sensor provides 360° coverage pattern. It is recommended to install the sensor more than 4ft (1.2m) away from air supply vents.

Top view

Top view

Feet

20 — 10 — 0 — 10 — 20

Feet

12 — 5 — 0 — 5 — 12

**Extended range
Side view**

8

20 15 11 9 5.6 3 0 3 5.6 9 11 15 20
Feet

**Standard range
Side view**

8

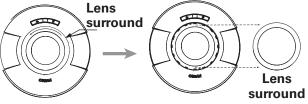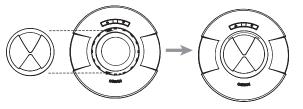12 9 7 5 3 0 3 5 7 9 12
Feet

Troubleshooting

There are no user-serviceable parts inside of the Sensor Interface Module. Please return the device to Cooper Lighting Solutions if service is required.

Sensor Mask Installation

Remove the ring (lens surround) from the sensor assembly. This can be achieved by rotating the ring counter clockwise.

**Lens
surround**

**Lens
surround**

Place the supplied mask and rotate clockwise until it latches.

Regulatory Approvals

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

This equipment has been tested and found to comply with Industry Canada ICES-003 Issue 5 (CAN ICES-3 (A)/NMB-3(A)).

Contains FCC ID: H79DFZM-E7220
Contains IC ID: 4259B-DFZM7220