

Operation

The WOLC Module is configured using WaveLinx System software and features the following functionalities:

- Individual addressability
- Time schedule-based control

Troubleshooting

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

Regulatory Approvals

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-E7210

Contains IC ID: 4259B-DFZM7210



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WaveLinx Outdoor Lighting Control (WOLC) Module

Wiring and installation manual



Overview

The Cooper Lighting Solutions WaveLinx Outdoor Lighting Control (WOLC) Module extends the WaveLinx System's controls capability to a building's surroundings or site such as parking lots and short pathways.

The WOLC Module is individually addressable and installs on top of a light pole via an ANSI136.41-compliant, 7-pin twist-lock connector. It can switch luminaires ON/OFF via an integrated high current relay, dim luminaires equipped with 0-10V dimming drivers or ballasts. It communicates with the WaveLinx Wireless Area Controller over an IEEE 802.15.4 network.

Part Number

WOLC-7P-10A

Ratings

Voltage

- Operating voltage: 120-347VAC; 50/60 Hz

Load Rating

- 120-347VAC E-Ballast; 10A
- 120-347VAC Resistive; 10A
- 120-347VAC Tungsten; 10A
- 120-347VAC General Purpose; 10A

Interface

- Dimming: 0-10V; 10mA (IEC 60929 Annex E)

Environmental

- Ambient temperature range: -40°C to +65°C
- Protection classification: IP66
- Relative humidity: up to 95% non-condensing


Listings

- UL: UL916/773 (File # E222633 USA and Canada)

Communication

- Wireless Protocol: IEEE 802.15.4
- Radio Frequency: 2.4 GHz
- Transmit Power: 20dBm
- Distance: 150ft (45m) line of site between modules


Important Safeguards

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

- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- Do not let power supply cords touch hot surfaces.
- 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

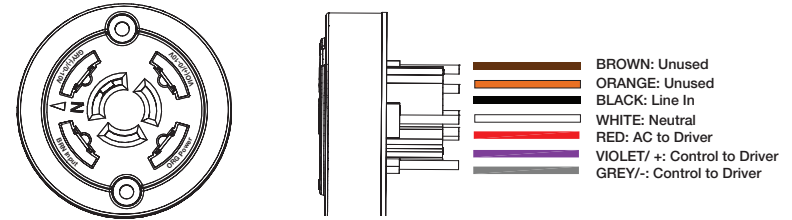
Module Installation

 Ensure power to the receptacle has been disconnected before beginning to remove/mount the receptacle.

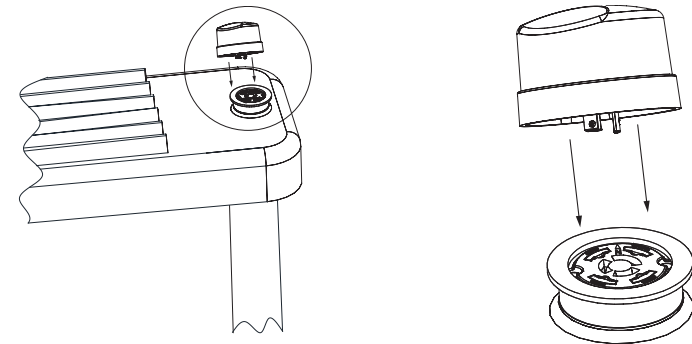
1. Remove the shorting or open cap if supplied with the luminaire.

Note: Receptacle caps, if supplied with the luminaire, are used for closing or opening the socket circuit. In addition, these caps can offer weatherproof protection for the receptacles that are not yet fitted with the WOLC Module.

WOLC Modules can be installed on luminaires that feature ANSI C136.41-compliant receptacles.

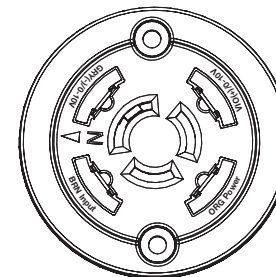


2. Place the WOLC Module firmly into the receptacle (not supplied by Cooper Lighting Solutions) and twist it clockwise (Install arrow) until it locks in place.

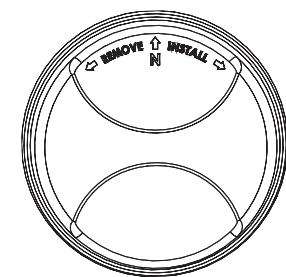


3. Mount the control with the arrow and 'N' on the cover facing north.

Note: The receptacle assembly may have to be rotated to face north.



Receptacle



Control Module Cap