



WaveLinx SIM-C-V CAT Sensor Interface Module Instruction Manual

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WaveLinx CAT
Sensor Interface Module
SIM-C-V
Installation Instructions
www.cooperlighting.com

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SIM-C-V CAT Sensor Interface Module



WARNING

IMPORTANT: Read carefully before installing product. Retain for future reference.

Failure to comply with these instructions may result in serious injury (including death) and property damage.



Risk of Fire, Electrical Shock, Cuts or other Casualty Hazards- Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved.



Before installing or performing any service, the power **MUST** be turned OFF at the branch circuit breaker. According to NEC240-83(d), if the branch is used as the main switch for a fluorescent lighting circuit, the circuit breaker should be marked with "SWD". All installations should be in compliance with the National Electric Code and all state and local codes.



Risk of Fire and Electric Shock- Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.

Risk of Burn- Disconnect power and allow fixture to cool before handling or servicing.



Risk of Personal Injury- Due to sharp edges, handle with care.

DISCLAIMER OF LIABILITY: Cooper Lighting Solutions assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

NOTICE: Product/component may become damaged and/or unstable if not installed properly.

ATTENTION Receiving Department: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

Note: Specifications and dimensions subject to change without notice.

NOTICE: All new wiring must be fully verified before applying power.

NOTICE: Designed for indoor installation and use only. 0-10V Dry location rated.

Warranties and Limitation of Liability

Please refer to www.cooperlighting.com/global/resources/legal for our terms and conditions.

FCC Statement

• This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off an on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.

ISED RSS

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

General Information

Overview

The Sensor Interface Module is an integral part of the WaveLinx connected system and provides network addressability to a variety of Greengate dual tech sensors. The sensors are powered by the SIM module. A limited configurable options for sensor parameters are available through WaveLinx CAT mobile app.

Plenum Rating

Most of the components in this system are intended to be mounted above the ceiling tiles, in an area that could be intended for air handling.

Note: The components do not meet the plenum rating standards for Chicago without additional measures.

Compatible Greengate Sensor Catalog Numbers

- OAWC-DT-120W
- OAWC-DT-120W-R
- OAC-P-0500-R
- OAC-P-1500
- OAC-P-0500
- ONW-D-1001-SP-W
- ONW-P-1001-SP-W
- OAC-DT-0501
- OAC-DT-0501-R
- OAC-DT-1000
- OAC-DT-1000-R
- OAC-DT-2000
- OAC-DT-2000-R

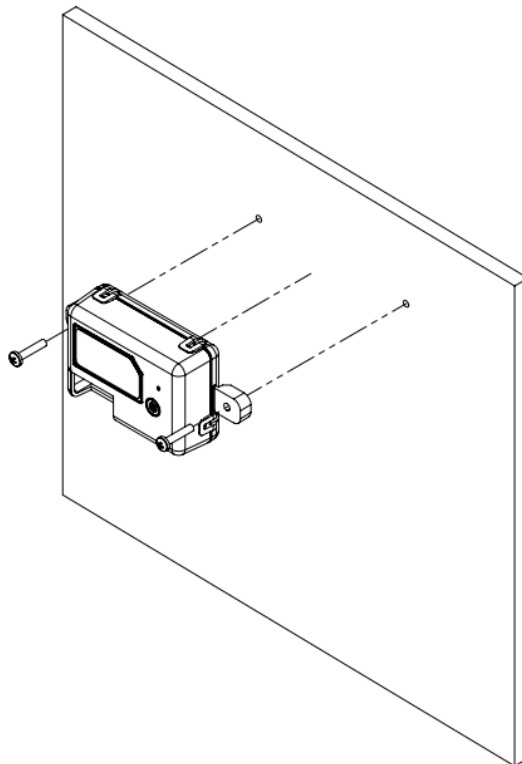
- OAC-P-1500-R
- OAC-U-2000
- OAC-U-2000-R

Specifications

Power	Cat5e Bus Powered
Installation	Wall mount with mounting tabs
Size	1.28" W x 3.34" H x 1.5" D (58mm x 85mm x 38mm)
Mobile App	Connects with WaveLinx CAT mobile app
Environmental Specifications	<ul style="list-style-type: none"> • Operating Temperature Range: 32°F to 104°F (0°C to 40°C) • Storage Temperature Range: 22°F to 158°F (-30°C to 70°C) • Relative Humidity 5% to 85% non-condensing • For indoor use only
Standards	<ul style="list-style-type: none"> • cULus Listed • FCC Part 15, Part A • Meets ASHRAE 90.1 – 2019 requirements • Meets IECC – 2021 requirements • Meets Title 24 – 2019 requirements

Wall Mounting

Secure the module with two (2) M4 size screws on the mounting surface.



Sensor Interface Module Installation

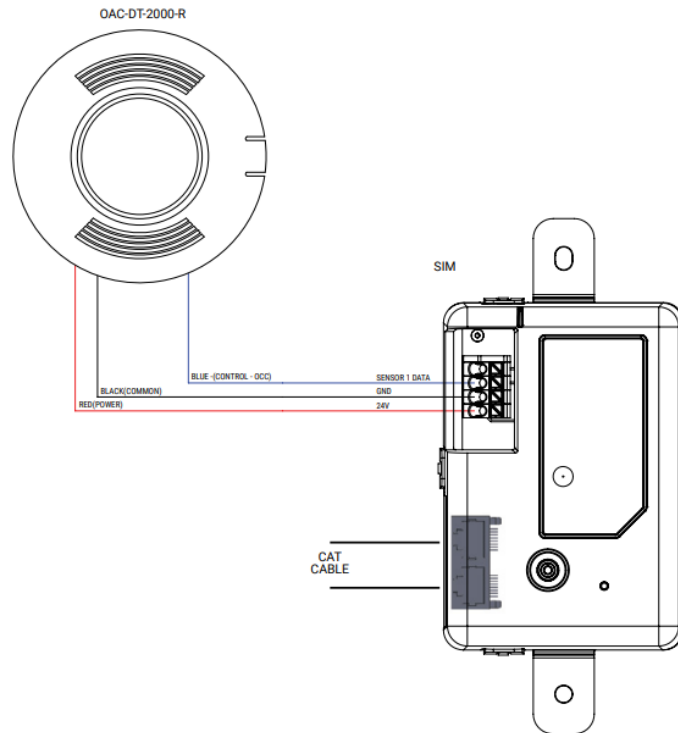
1. Locate a convenient spot on the wall near the ceiling.

2. Use Size 4 screws to secure the module on the mounting surface.
3. Connect the SIM module via RJ45 ports, with other WaveLinx CAT devices in the local network using CAT5 cables. (If this module is an end unit on the network, insert termination plug in the second RJ45 port.

NOTICE: All new wiring must be fully verified before applying power.

NOTICE: Designed for indoor installation and use only. Dry location rated.

Wiring Diagram



LED Definitions

State	Event	Blink Pattern	
		Occ Sensor Enabled	Occ Sensor Disabled
Out of Box	N/A	N/A	N/A
Connected (Distributed Mode)	Motion Detected	Blue for 300 ms; OFF for 2.7 s. Repeat every 30 s when input line is high (i.e., blink at the same time when occ report is sent)	Blue for 1 s; OFF for 1 s; Repeat independent of motion
Connected (Network Mode)	Motion Detected	White for 300 ms; OFF for 2.7 s. Repeat every 30 s when input line is high (i.e., blink at the same time when occ report is sent)	White for 1 s; OFF for 1 s; Repeat independent of motion
Identify / Reverse Identify	N/A	Magenta for 1 s; OFF for 1 sec Repeat for identify duration	
Firmware Update	N/A	Cyan for 1 s; OFF for 1 sec Repeat for update duration	
Bootloader Mode	N/A	Solid Green for the duration of bootloader mode (Blinking green during image swap)	
Reset	Reset Button Pressed	<ul style="list-style-type: none"> • Button pressed <1 s: OFF If button is released before 1 s, no reset occurs • Button pressed ≥ 1 s: Blue for 500 ms; OFF for 500 ms; Repeat If button is released before 5 s, soft reset begins • Button pressed ≥5 s: Yellow for 500 ms; OFF for 500 ms; Repeat If button is released before 10 s, factory reset begins • Button pressed > 10 s: OFF No reset occurs 	

If still having trouble, call Technical Services at 1- [800-553-3879](tel:800-553-3879)

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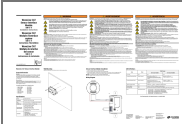
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Product availability, specifications, and compliances are subject to change without notice.

Documents / Resources



[WaveLinx SIM-C-V CAT Sensor Interface Module](#) [pdf] Instruction Manual
SIM-C-V CAT Sensor Interface Module, SIM-C-V, CAT Sensor Interface Module, Sensor Interface Module, Interface Module, Module

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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