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|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Fifth Light

FLT-SP-MV-DC2, FLT-SP-MV-DC1, FLT-SP-240-DC2,
FLT-SP-240-DC1, FLT-SP-347-DC2, FLT-SP-347-DC1

Sensor Powerpack

Typical Applications

Office • Education • Healthcare • Hospitality • Retail •
Industrial • Manufacturing • Outdoor

Interactive Menu

- Ordering Information [page 2](#)
- Additional Resources [page 3](#)
- Wiring Diagrams [page 4](#)
- Product Warranty

Product Certification



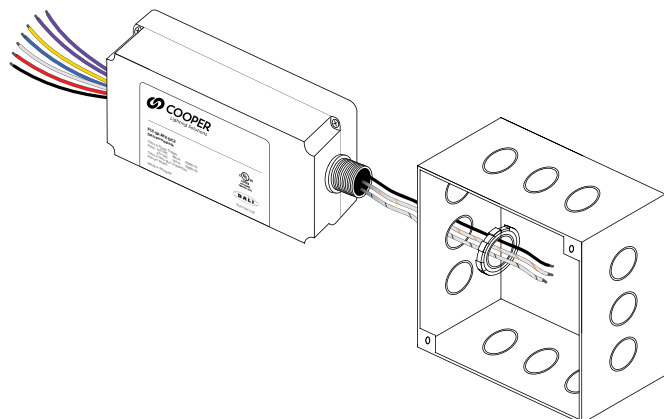
Product Features



Top Product Features

- Supports up to five (5) occupancy/vacancy
- Plenum rated
- Device identification buzzer
- Integrated with Greengate sensors

Junction Box Mounting



additional product diagrams

Order Information: This is an accessory for the Fifth Light. When ordering, specify the Powerpack as a separate system accessory.

The Sensor Powerpack is compatible with OAC, VAC and OAWC Greengate sensor that include the -R option.

Catalog Number

| Catalog Number | Description | Input Voltage | Number of Sensors |
|----------------|--|---------------|-------------------|
| FLT-SP-MV-DC2 | Sensor Powerpack 120/277V - class 2 installation | 120/277 VAC | 5 |
| FLT-SP-MV-DC1 | Sensor Powerpack 120/277V - class 1 installation | 120/277 VAC | 5 |
| FLT-SP-240-DC2 | Sensor Powerpack 240V - class 2 installation | 240 VAC | 5 |
| FLT-SP-240-DC1 | Sensor Powerpack 240V - class 1 installation | 240 VAC | 5 |
| FLT-SP-347-DC2 | Sensor Powerpack 347V - class 2 installation | 347 VAC | 5 |
| FLT-SP-347-DC1 | Sensor Powerpack 347V - class 1 installation | 347 VAC | 5 |

Sensor Compatibility and Sensor Setup

The following Greengate sensors will have their LED blink when the Sensor Powerpack that powers the sensors is in Commissioning Mode.

Please refer to the Greengate sensor installation instructions for sensor setup.

WARNING: Do not enable the "Zero Time Delay" DIP Switch on the sensor.

| Wall Mount Occupancy Sensors | Ceiling Mount Occupancy Sensors |
|------------------------------|---------------------------------|
| OAWC-DT-120W-R | OAC-P-0500-R |
| OAWC-P-120W-R | OAC-P-1500-R |
| OAWC-P-009L-H-R | OAC-U-0501-R |
| | OAC-U-1000-R |
| | OAC-U-2000-R |
| | OAC-DT-0501-R |
| | OAC-DT-1000-R |
| | OAC-DT-2000-R |

Note: The Sensor Powerpack can power other types of low voltage sensors. However, to take advantage of the Sensor Powerpack's built-in commissioning mode, it is highly recommended to use the Sensor Powerpack with the above Greengate sensor models.

Note: Please refer to the individual Greengate specification sheets for more information on the capabilities of these occupancy sensors.

Product Specifications

Key Features

- **Supports up to five (5) occupancy sensors** – Reduces the cost of connecting low voltage PIR, ultrasonic and dual tech sensors to the system by 90%. Five occupancy sensors can be grouped together to provide a large coverage area with a single address being shared for all five sensors.
- **Plenum rated** – Eliminates the need for a junction box when installed in a plenum-rated area, i.e. areas where air handling equipment is present.
- **Device identification buzzer** – Reduces the time to locate a Sensor Powerpack installed in a ceiling thanks to the buzzer sound if troubleshooting is required.
- **Integrated with Greengate sensors** – Greengate sensors connected to the Sensor Powerpack will blink in commissioning mode allowing installers to easily identify sensors connected to a specific Sensor Powerpack.

Mechanical

Dimensions: 1.7"H x 2.6"W x 6.1"L (43.2mm x 66mm x 155mm)

Mounting:

- Mounts to the side of a 4" square box via ½" knockout

Housing: Medium impact injection molded housing. ABS resin with 5VA flame rating. Plenum rated for external junction box mounting with Teflon coated leads.

Environment:

- **Operating Temperature:** 32° F to 104° F (0° C to 40° C). For indoor use only
- **Operating Humidity:** 10% to 90% RH (non-condensing)
- **Storage Temperature:** 32° F to 104° F (0° C to 40° C)

Control Specification:

- **Communication Interface:** Fifth Light DALI Bus
- **Current Draw:** 2mA per device (max)

Output: 15 VDC, 125mA to operate up to five Greengate sensors

Electrical

Input Voltage : 120/277 VAC, 240 VAC, or 347 VAC +/- 10%

Input Frequency: 50/60 Hz

Standards/Ratings

- cULus Listed - Energy Management Equipment (UL916)
- Manufactured in an ISO 9001 certified factory
- Meets ASHRAE Standard 90.1 requirements
- Meets IECC 2015 requirements
- Meets CEC Title 24 requirements

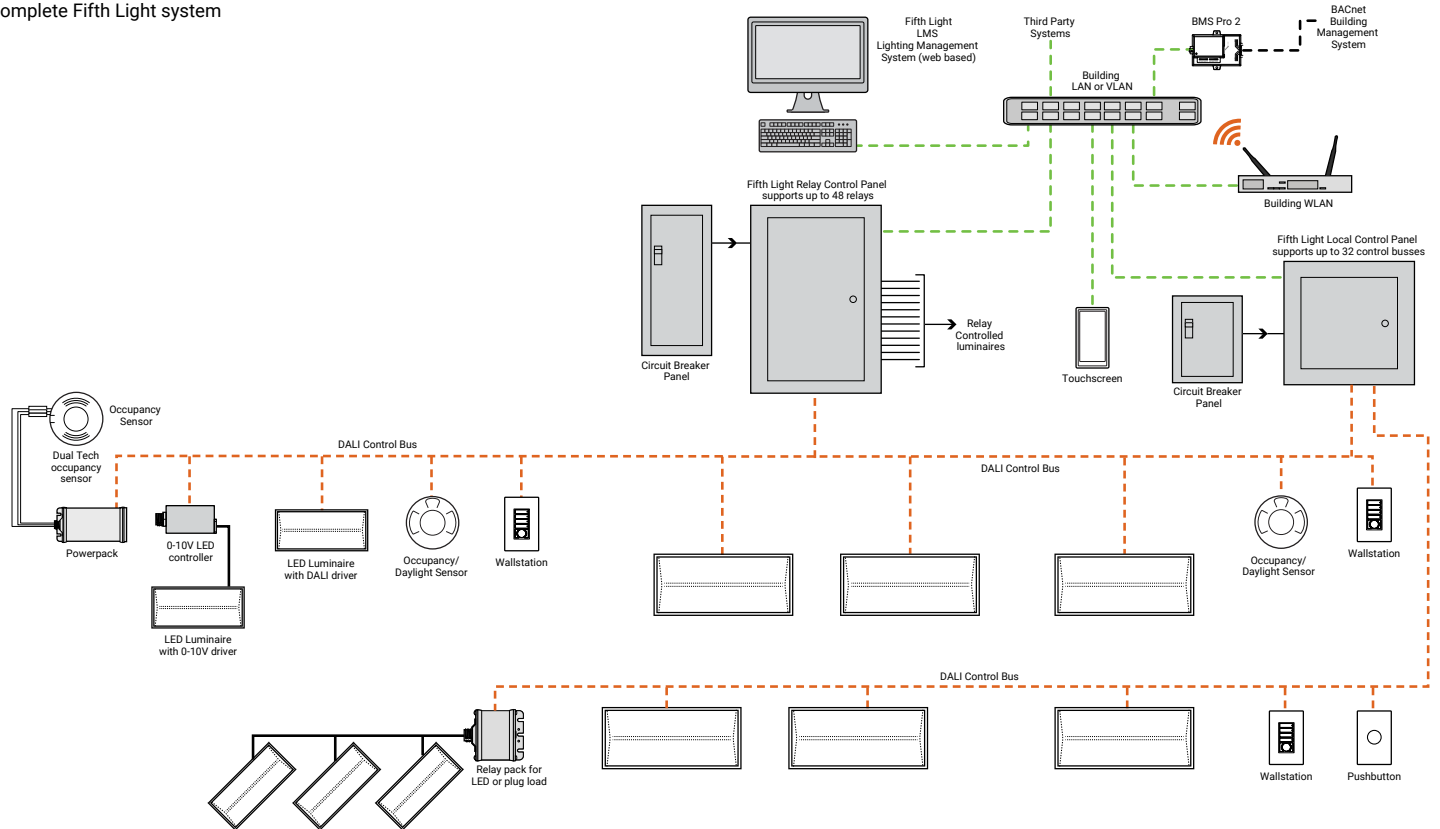
Warranty

Five year warranty standard

System Architecture

This diagram illustrates the main components of the Fifth Light system. The DALI wallstations, DALI multi-sensors, DALI field relay, DALI dimming module, DALI DAC and DALI dimmable drivers/ballasts communicate with the Lighting Control Panel over the DALI bus while the touchscreen communicates with the Central Manager via ethernet.

Complete Fifth Light system

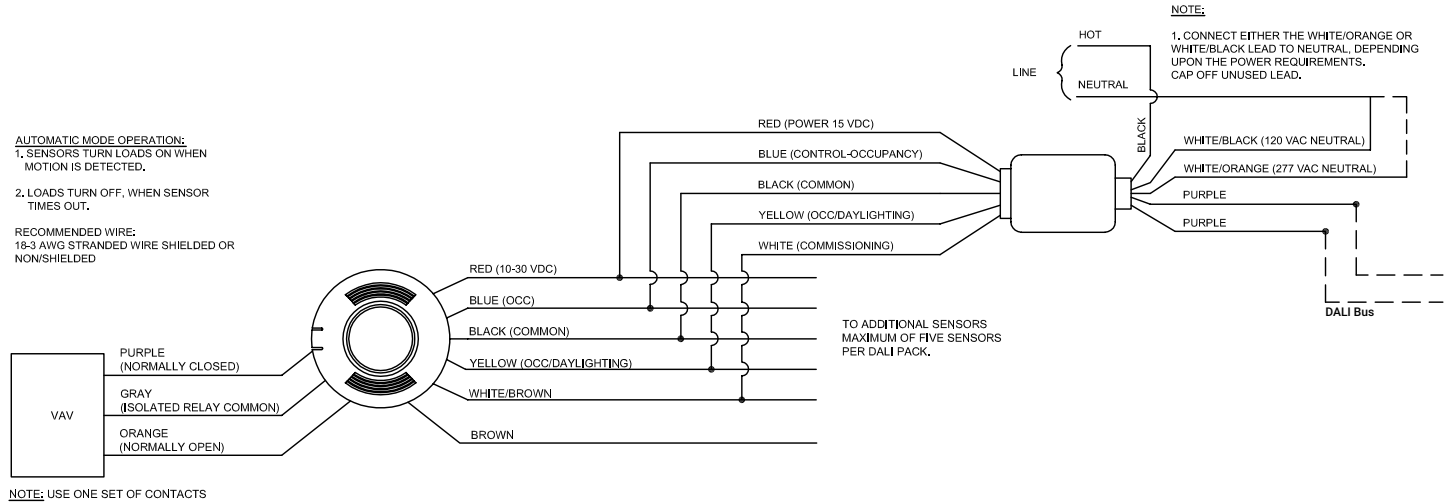


Wiring Diagram

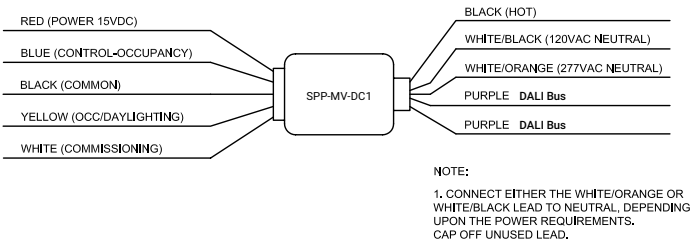
The line voltage section of the Sensor Powerpack is to be connected to a 120/277 VAC or 240 VAC or 347 VAC 20 amp branch circuit to provide unit power. The Powerpack provides a 15V output required to power the low voltage sensors.

The low voltage section of the Sensor Powerpack is to be connected to a junction box using the accompanying the NPT adapter and the lock nut.

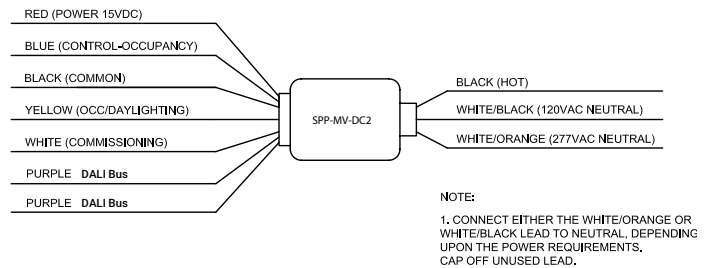
The following wiring diagram shows how to properly wire the device between the line voltage input, low voltage sensors and the two wire communications bus.



CLASS 1 WIRING



CLASS 2 WIRING



Overview

The Sensor Powerpack provides power to low voltage sensors and communicates occupancy data status on the DALI bus. The Sensor Powerpack is ideal for open area spaces that require multiple dual technology sensors.