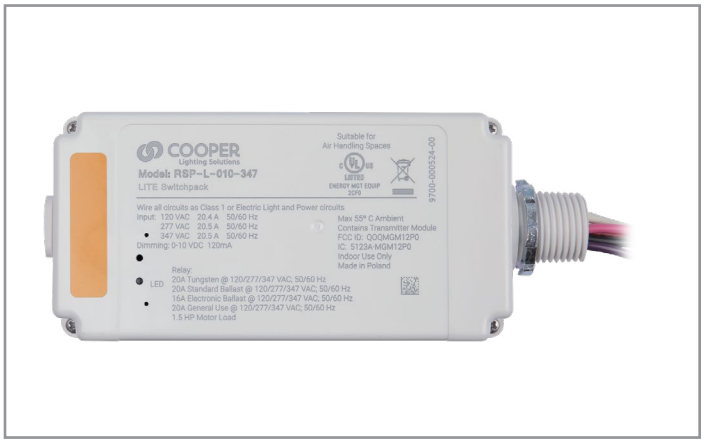
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|---|---|---|---|---|---|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |




# WaveLinx

## LITE Switchpack (RSP-L-010-347)

20A relay switchpack with 0-10V control

**Typical Applications**

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

## Interactive Menu


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- Product Warranty


## Product Certification

- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC Title 24 requirements
- Manufactured in an ISO 9001 certified factory

## Product Features

LITE Mobile App
IEEE 802.15.1
Device Security
Customer Security
Receptacle Control

## Compatibility

WaveLinx LITE

## Overview

The WaveLinx LITE Universal Voltage Dimming Switchpack with 0-10V (RSP-L-010-347) control is an integral part of the WaveLinx LITE system and offers 120-347VAC (+/- 10% Single Phase) 20amp control and continuous 0-10V dimming control of LED and non LED loads. The relay switchpack with 0-10V control also supports 20amp plug load control. The RSP-L-010-347 is powered by the 120-347VAC (+/- 10% Single Phase) circuit it is controlling and provides simple 1/2” knockout mounting. The relay switchpack with 0-10V control operates on a wireless mesh network based on IEEE 802.15.1 (Bluetooth® 4.2 Low Energy)

Note: A 20A circuit breaker is required in the AC power source circuit where Wavelinx LITE (RSP) is connected to provide line protection.

## Product Features & Benefits

- Output control loads up to 20 amps or 1.5 HP and 0-10V dimming control
- Plenum rated design with easy junction box mounting
- **120-347VAC –** Ability to support all commercial applications across North America (US, Canada and Mexico)
- **Device Identification –** provides additional detection information during provisioning process.

## Order Information

The LITE switchpack is an integral part of the WaveLinx LITE system. The LITE Switchpack is used to control luminaires and plug loads.

Catalog Number

| Catalog Number | Description |
|---|---|
| **RSP-L-010-347** | Wireless Universal Voltage Dimming Switchpack - 20 amp |

## Product Specifications

### Mechanical

**Size:** 1.7”H x 2.6”W x 6.1”L (43mm x 66mm x 155mm)

**Environment:**

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage temperature:** 32°F to 158°F (0°C to 70°C)
- **Relative humidity operating:** 10% to 90% RH (non-condensing)
- For indoor use only

**Mounting:** Mounts to the side of a 4” (102mm) square box via ½” (13mm) knockout

**Color:** Matte White

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

### Electrical

**Power:**

- 120-347VAC (+/- 10%) 50/60Hz (Single Phase)

**Output Information:**

- 20amp 120-347VAC General Purpose (Single Phase)
- 16amp 120-347VAC electronic ballast (LED load) (Single Phase)
- Single class 2 0-10V dimming output (IEC 60929 Annex E) sinks up to 120mA per (40 µA max per circuit leakage to line)
- 0-10V output supports up to 60 ballasts/drivers that source up to 2mA each

### Wireless Specifications

**Radio:** 2.4GHz

**Standard:** IEEE 802.15.1

**Transmitter Power:** + 10dBm

**Range:** 150ft (46m) LOS typical
50ft (15m) through standard walls when mounted outside junction box

**# of Walls:** 2 interior walls standard construction

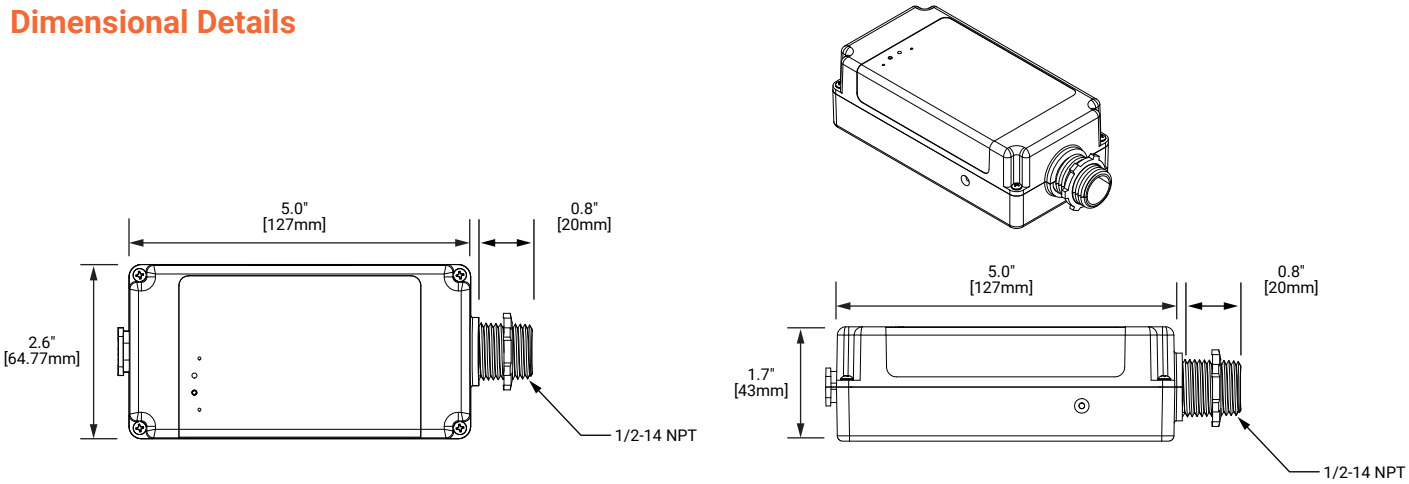
### Standards/Ratings

- cULus Listed - Energy Management Equipment (UL916)
- FCC part 15 Sub Part B
- Manufactured in an ISO 9001 certified factory
- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC  Title 24 requirements
- WaveLinx LITE is DLC Listed for interior applications - meeting the NLC5 Technical Requirements

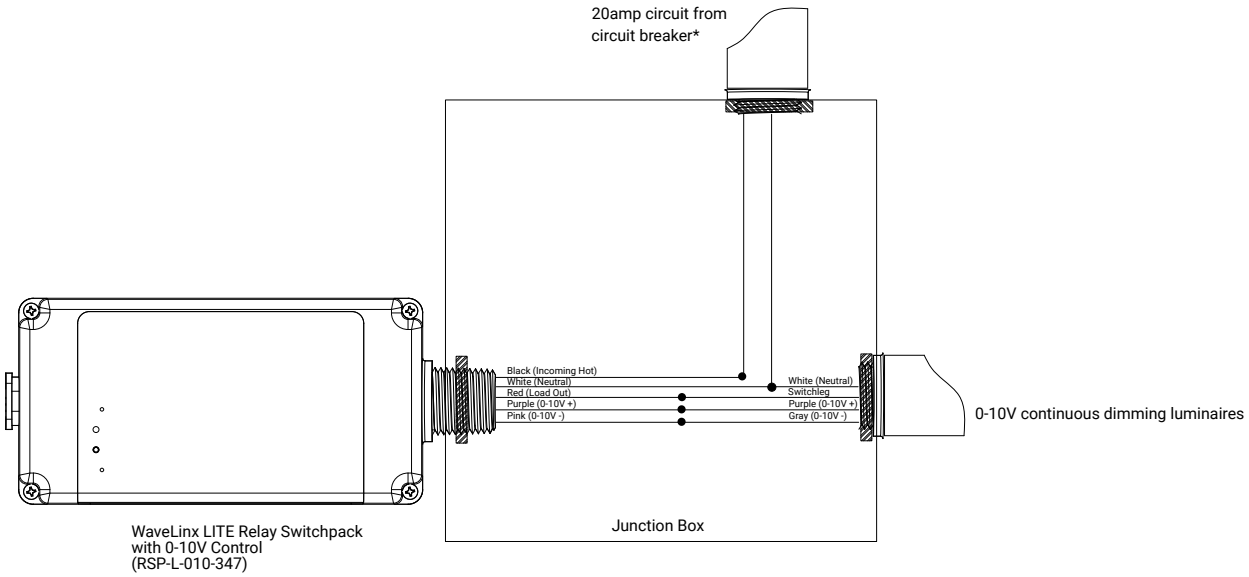
### Warranty

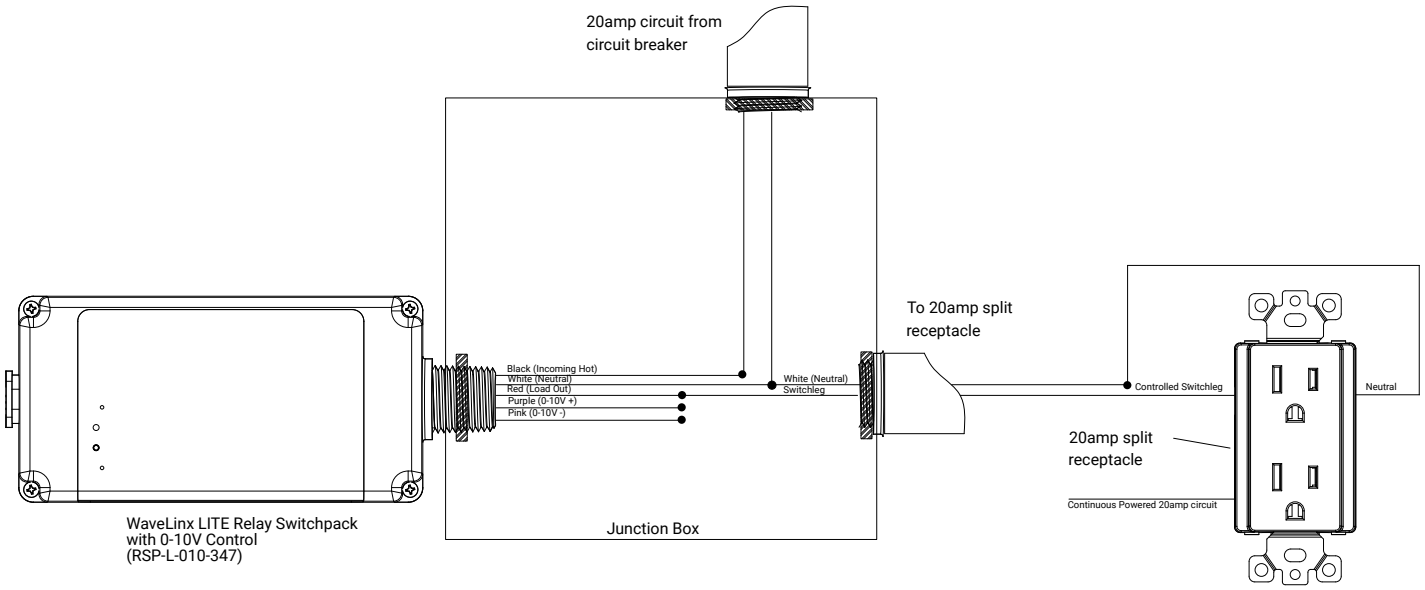
Five year warranty standard

## Dimensional Details



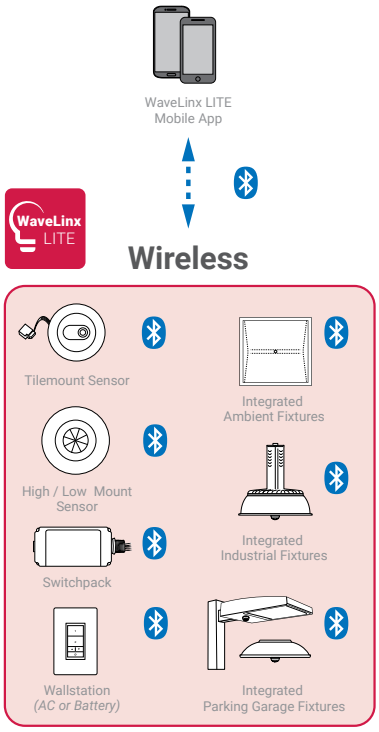

## Mounting



## System Diagram:

This diagram shows the the main components and topology of the WaveLinx system with LITE devices. The WaveLinx LITE devices use standardized IEEE 802.15.1 (Bluetooth® 4.2 Low Energy) mesh technology for device to device communications without the requirement of a gateway. The WaveLinx LITE enabled luminaires provide out-of-the-box functionality for independent operation when energized. With the use of the WaveLinx LITE mobile application with MyApps secure cloud portal access, groups of independent luminaires may be created and maintained with areas, control zones, and occupancy sets. WaveLinx LITE devices are not currently compatible with the WaveLinx Area Controller.




## Control Systems

- WaveLinx



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Specifications and dimensions
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