

Project		Catalog #		Type	
Prepared by		Notes		Date	



## WaveLinX

### IR Remote (ACC-P-RT)

Handheld remote to assist with a useful subset of testing / programming functions

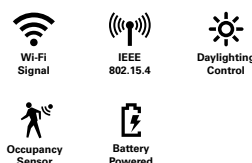
#### Typical Applications

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

#### Interactive Menu

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- Additional Resources [page 3](#)
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- Product Warranty

#### Product Features



#### Compatibility



### Product Features & Benefits

- The WaveLinX IR Remote (ACC-P-RT) is not a substitute for using the WaveLinX Mobile App to perform the initial site setup. It is a tool to be used in addition to the mobile app to assist with a useful subset of testing/programming functions.
- The WaveLinX IR Remote streamlines the processes that installers or set-up technicians use to test device functionality:
  - Enable/Disable pairing of a device (PRO)
  - Reverse Identify a device (PRO/LITE)
  - Set occupancy sensor sensitivity (PRO)
  - Test an occupancy sensor (PRO)
  - Place an open loop daylight set into test mode (PRO)
  - Enable/Disable closed loop control (PRO)
  - Adjust the daylight dimming response (PRO)
  - Issue a factory reset (PRO)
  - Assign point guards (PRO)
- The WaveLinX IR Remote can be used on supported WaveLinX PRO and LITE devices.

## Order Information

The WaveLinx IR Programming Remote is an accessory to the WaveLinx connected lighting (WCL) system and requires a WaveLinx Area Controller (WAC) and sensors (see list below) for use with the WaveLinx PRO system, or sensors for the LITE sensor.

### Catalog Number

Catalog Number	Description
<b>ACC-P-RT</b>	Wavelinx IR Remote

## Required Accessories

All WaveLinx PRO connected lighting (WCL) system accessories require at least one WaveLinx Area Controller (WAC2) for communications. Ensure the bill of material includes one of the following components.

### Catalog Number

Catalog Number	Description
<b>WAC2-120</b>	WaveLinx Area Controller G2 with 120VAC to PoE Injector
<b>WAC2-POE</b>	WaveLinx Area Controller G2, PoE powered

## Product Specifications

### Supported WaveLinx PRO Devices

The WaveLinx IR Remote can be used on the WaveLinx PRO or LITE sensor devices listed below. Note that the sensor devices must have the minimum firmware version shown or a newer version to operate with the WaveLinx IR Remote commands.

#### Ambient Integrated Sensors (WAA or WAB) including:

- Integrated Sensor (SWPD1): min. firmware: 0x1101500
- BLE Integrated Sensor (WAB): min firmware: v04.00.04
- Integrated Sensor PRO: min. firmware: 0x1041300
- Integrated Sensor Economy (WAB): min firmware: v04.00.04

#### Tilemount Sensor (WTA or WTK) including:

- Integrated Sensor (SWPD1): min. firmware: 0x1101500
- LITE Integrated Sensor (WAB): min. firmware: v04.00.04

#### Industrial Integrated Sensors including:

- Industrial Low Mount Integrated Sensor (SWPD2): min. firmware: 0x1101500
- Industrial High Mount Integrated Sensors (SWPD3): min. firmware: 0x1101500
- Industrial PRO Low Bay (WLS2): min. firmware: v04.00.04
- Industrial PRO High Bay (WLS4): min. firmware: v04.00.04

#### Outdoor Integrated Sensors including:

- Outdoor Low Mount Integrated Sensor (SWPD4): min. firmware: 0x1101500
- Outdoor High Mount Integrated Sensor (SWPD5): min. firmware: 0x1101500
- Outdoor Low Mount Integrated Sensor BLE (WOB): min. firmware: v04.00.04
- Outdoor High Mount Integrated Sensor BLE (WOF): min. firmware: v04.00.04

The WaveLinx PRO Ceiling Sensor and WaveLinx PRO and LITE devices that do not have onboard sensors do not support the use of the WaveLinx IR Remote.

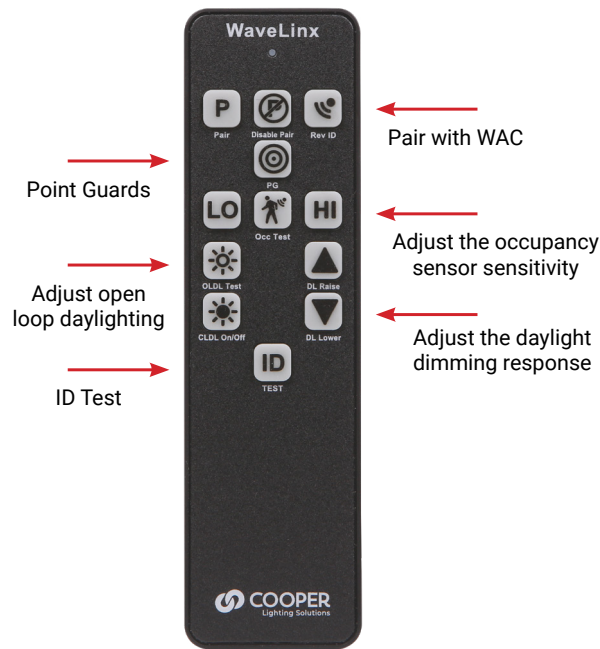
#### Battery

- Two (2) AAA batteries for operation (provided)













#### Warranty

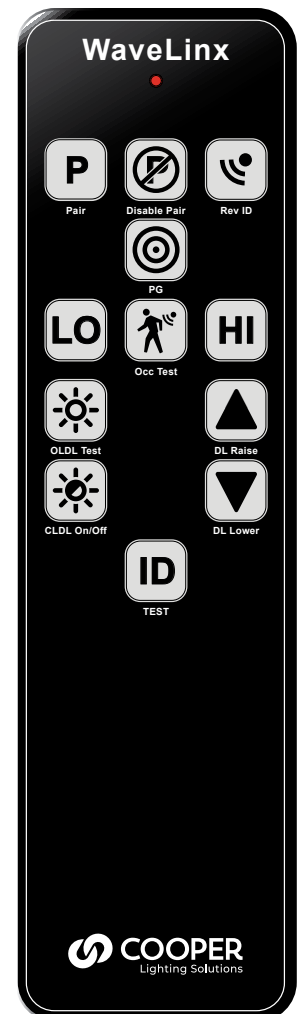
Five year warranty standard

## Product Details



## WaveLinx IR Remote Overview

Button	Description
 	<p>If a device is not currently paired with a WaveLinx Area Controller, 'Pair' places the device into pairing mode to search for a WaveLinx Area Controller</p> <p>If a device is in pairing mode, 'Disable Pair' deactivates pairing mode and prevents the device from continuing to search for a WaveLinx Area Controller</p>
	<p>If a PRO device is already paired with a WaveLinx Area Controller, 'Rev ID' will cause the device to identify itself in the WaveLinx Mobile App</p> <p>If a LITE device is in out of box operation, 'Rev ID' will cause the device to identify itself in the WaveLinx LITE Mobile App during provisioning</p>
	<p>For advanced set-up technicians programming zones with many devices, 'PG' will allow up to 5 devices to be set as Point Guards to streamline communications</p>
 	<p>Adjust the occupancy sensor sensitivity at the press of a button</p> <ul style="list-style-type: none"> <li>'LO' places the selected occupancy sensor into low sensitivity mode to assist with preventing false triggers from activity outside the desired area</li> <li>'HI' places the selected occupancy sensor into high sensitivity mode to assist with capturing motion activity further from the sensor</li> </ul>
	<p>'Occ Test' places the selected sensor into test mode to allow for validation of individual sensor occupancy detection</p>
	<p>If the sensor is assigned to perform open loop daylighting, 'OLDL Test' will trigger the WaveLinx Area Controller to enter test mode during with, daylight transitions are accelerated to allow for daylight function verification</p>
	<p>For sensors not associated with an open loop daylight set, 'CLDL On/Off' will enable or disable the sensor's closed loop daylight function</p>
 	<p>Adjust the daylight dimming response of the selected open loop or closed loop daylight sensor</p> <ul style="list-style-type: none"> <li>Closed loop daylight sensors: Raise or lower the desired light level in 5% increments</li> <li>Open loop daylight sensors: Raise the light level (lower the sensitivity of the dimming response to the incoming daylight) or lower the light level (raise the sensitivity of the dimming response to the incoming daylight) in 5% increments</li> </ul>
	<ul style="list-style-type: none"> <li>'ID TEST' allows for a quick visual check of functionality from the sensor to the fixture's LED array by causing the light to cycle ON/OFF for 15 seconds regardless of paired state and programming</li> <li>'ID TEST' can be used to reset a sensor back to factory defaults without the need to power cycle</li> </ul>




## PRO System Diagram:

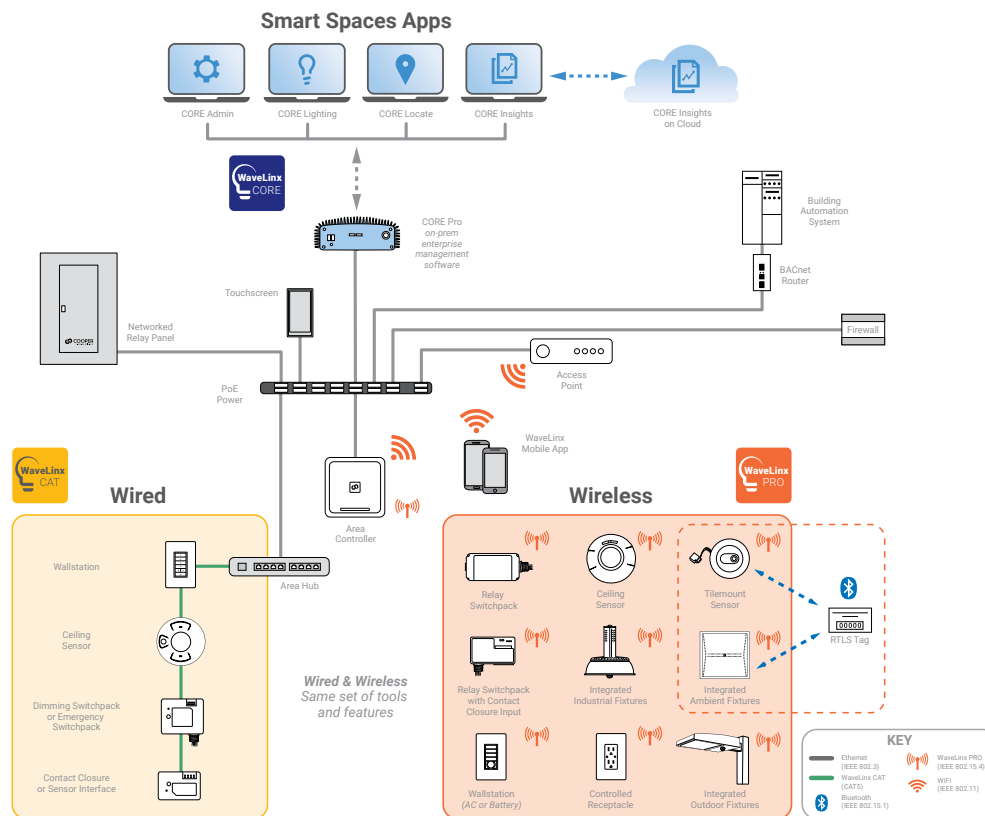
This diagram shows the main components of the WaveLinx connected lighting system with CAT and PRO devices.

The PRO devices communicate using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each Wavelinx Area Controller (WAC) is required for power and data access to the building lighting network.

The CAT devices communicate over the category 5 based communication bus and control the light fixtures using a relay (on/off) and 0-10V output (dim/raise).

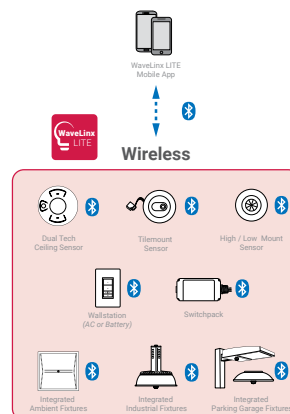
WaveLinx Area Controllers (WAC) communicate with WaveLinx CORE Apps over the Ethernet network.


 [View WaveLinx Network and IT Guidance Technical Guide](#)



## LITE System Diagram:

This diagram shows the the main components and topology of the WaveLinx LITE (WLC) system. The WLC system uses standardized IEEE 802.15.1 (Bluetooth® 4.2 Low Energy) mesh technology for device to device communications without the requirement of a gateway. WLC integrated luminaires provide out-of-the-box functionality for independent operation when energized. With the use of the WLC 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