

Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinX

PRO Battery-Powered Wallstation (WWB-Series)

Multi-scene dimming battery-powered wallstation which provides customized light level for each area

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

Interactive Menu

- Order Information page 2
- Button Options page 2
- Additional Resources page 3
- Product Warranty

Product Certification*



Part 15/CEC-003

- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC Title 24 requirements

Product Features



WaveLinX Mobile App



IEEE 802.15.4



Device Security



Customer Security



Manual Dimmer



Manually Switched ON/OFF



Battery Powered

Compatibility



Overview

The PRO WWB-Series wallstation is an integral part of the WaveLinX connected lighting system and is available in several small and large button configurations in white color. These wallstations are battery-powered and provide wireless control of the lighting in each area.

The PRO WWB-Series wallstation mounts to a low-voltage wall box (single or multi-gang) and is suitable for a standard or decorator wallplate (not included). Each wallstation is fully configurable to provide local and multi-level control in each area. Each button is configured to control a lighting scene for an area and can be modified using the WaveLinX Mobile Application.

The PRO WWB-Series wallstation is a multi-scene, single area dimming wallstation which provides customized light level for each area. The wallstation provides default operations, but is fully configurable from the WaveLinX Mobile Application. Two wallstation configurations also include scene raise / lower buttons to further adjust the light levels.

Product Features & Benefits

- Standard settings, multi-scene selection, raise/lower, on/off toggle for an area
- Suitable for standard single or multi-gang NEMA wall box
- Utilizes two (2) CR123A alkaline batteries for simple new or retrofit installations
- Clean, elegant and simple control
- Configurable through the WaveLinX Mobile Application

*T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

Order Information

All WaveLinx PRO control devices require at least one WaveLinx Area Controller for communications. Please ensure that you order a WaveLinx Area Controller (CATNO: WAC2-POE) for the product to work or connect the wallstations to an existing WaveLinx Area Controller.

Important Note: The WaveLinx PRO WWB-Series wallstation only works with version 12+ of the 2nd generation WaveLinx Area Controller (WAC2-POE). It does not work with the 1st generation WaveLinx Area Controller (WAC-POE).

Catalog Number

Standard Wallstation Configurations

Catalog Number	Description
WWB1-W	WaveLinx PRO Battery-powered Wallstation, 1 Button, White
WWB3-W	WaveLinx PRO Battery-powered Wallstation, 3 Button, White
WWB3-RL-W	WaveLinx PRO Battery-powered Wallstation, 3 Button Raise / Lower, White
WWB5-RL-W	WaveLinx PRO Battery-powered Wallstation, 5 Button Raise / Lower, White
Notes	Notes
WaveLinx mobile application required to customize programming for each button.	Suitable for use with standard decorator wall plates (not included). Complete wallstation - buttons are not field replaceable.

Custom Engraved Wallstation Configurations

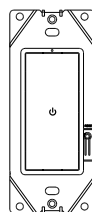
Catalog Number	Description
WWB1-W-ENGRV	WaveLinx PRO Battery-powered Wallstation, 1 Button, White, Custom Engraved
WWB3-W-ENGRV	WaveLinx PRO Battery-powered Wallstation, 3 Button, White, Custom Engraved
WWB3-RL-W-ENGRV	WaveLinx PRO Battery-powered Wallstation, 3 Button Raise / Lower, White, Custom Engraved
WWB5-RL-W-ENGRV	WaveLinx PRO Battery-powered Wallstation, 5 Button Raise / Lower, White, Custom Engraved
Notes	Notes
WaveLinx mobile application required to customize programming for each button.	Suitable for use with standard decorator wall plates (not included). For custom engraving use the configurator tool within the FlashPro Program (CUST-ENGRV). Complete wallstation - buttons are not field replaceable.

Additional Accessories

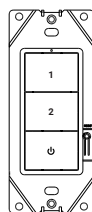
Wallplates are not included with Wallstations. Please order separately.

Catalog Number

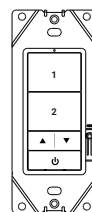
Catalog Number	Description
PJS26W	1 Gang Screwless Faceplate, White
PJS262W	2 Gang Screwless Faceplate, White
PJS263W	3 Gang Screwless Faceplate, White
PJS264W	4 Gang Screwless Faceplate, White
PJS265W	5 Gang Screwless Faceplate, White



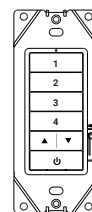
WWB1-W



WWB3-W



WWB3-RL-W



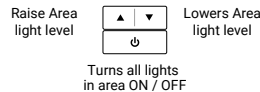
WWB5-RL-W

Standard button engraving for each wallstation

Default engraving & light levels

Button 1	Scene 3 = 50%
Button 2	Scene 1 = 100%
Button 3	Scene 2 = 70%
Button 4	Scene 4 = 30%
Raise press*	Increase 1% (per press)
hold*	Increase 15% (per sec)
Lower press*	Decrease 1% (per press)
hold*	Decrease 15% (per sec)
Power*	Toggle Scene 3 (50%) & Scene 0 (Off)
	* - affects all zones in area

Raise / Lower / OFF buttons



Button programming options via WaveLinx Mobile Application

- Scene Selection
- Zone Level
- Raise Level
- Lower Level
- Toggle Scene or Zone Level
- No Action

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Product Specifications

Mechanical

Size: 4.2"H x 1.8"W x 1.5"D (107mm x 45mm x 39mm)

Environment:

- **Operating temperature:** 32°F to 113°F (0°C to 45°C)
- **Storage temperature:** 32°F to 167°F (0°C to 75°C)
- **Relative humidity operating:** 5% to 95% non-condensing
- For indoor use only

Mounting: Standard single or multi-gang NEMA wall box, and compatible with a decorator wall plate (not included)

Color: White

Electrical

Power supply type: Utilizes two (2) CR123A alkaline batteries (included)

Hardware Specifications

Status Indicators:

- Single indicator LED
- LED functionality (active for 3 seconds after action)
 - Indication of wireless network join request
 - Indication of wireless network connection
 - Scene indication of operations

Button Configuration:

- 1 Button
- 3 Button
- 3 Button with Raise / Lower
- 5 Button with Raise / Lower

Software Specifications

- Each button programmable to trigger or toggle Scene or Zone
- Default values when joined to an area via WaveLinx Mobile application
- Models available with dominant button 50% light level
- Fade rates and scene transitions are programmable

Wireless Specifications

Radio: 2.4GHz

Standard: IEEE 802.15.4

Transmitter Power: + 7dBm

Configuration type: Router, End Point

Range: 100ft (30m) LOS through 2 interior walls of standard construction

Note: Use of metallic wall plates is not recommended as they may interfere with the wireless signals

System Performance

Maximum number of Devices: 200 per WaveLinx Area Controller (best practice 150 devices)

Standards/Ratings*

- FCC Part 15, Subpart B & C
- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC requirements
- Meets latest CEC Title 24 requirements
- NEMA WD-7 and NEMA 4 compliant
- CA Title 20 and Prop 65 compliant
- RoHS

Warranty

Five year warranty standard

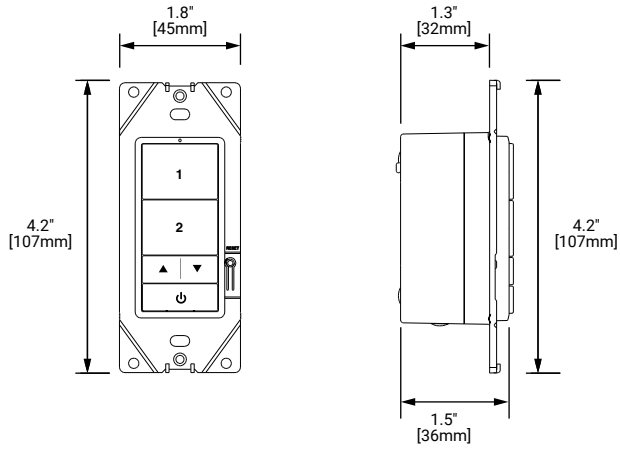
Note: Use of ammonia based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.



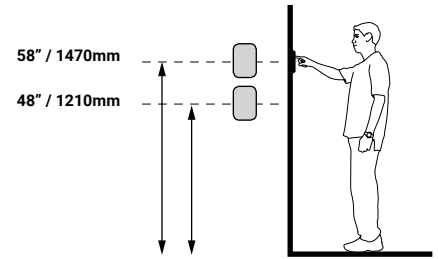
Download the WaveLinx Mobile Application from either the Google Play or Apple Store®

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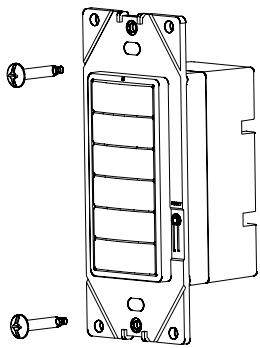
Dimensional Details



Mounting Height



Installation



Wall plate not included

System Diagram:

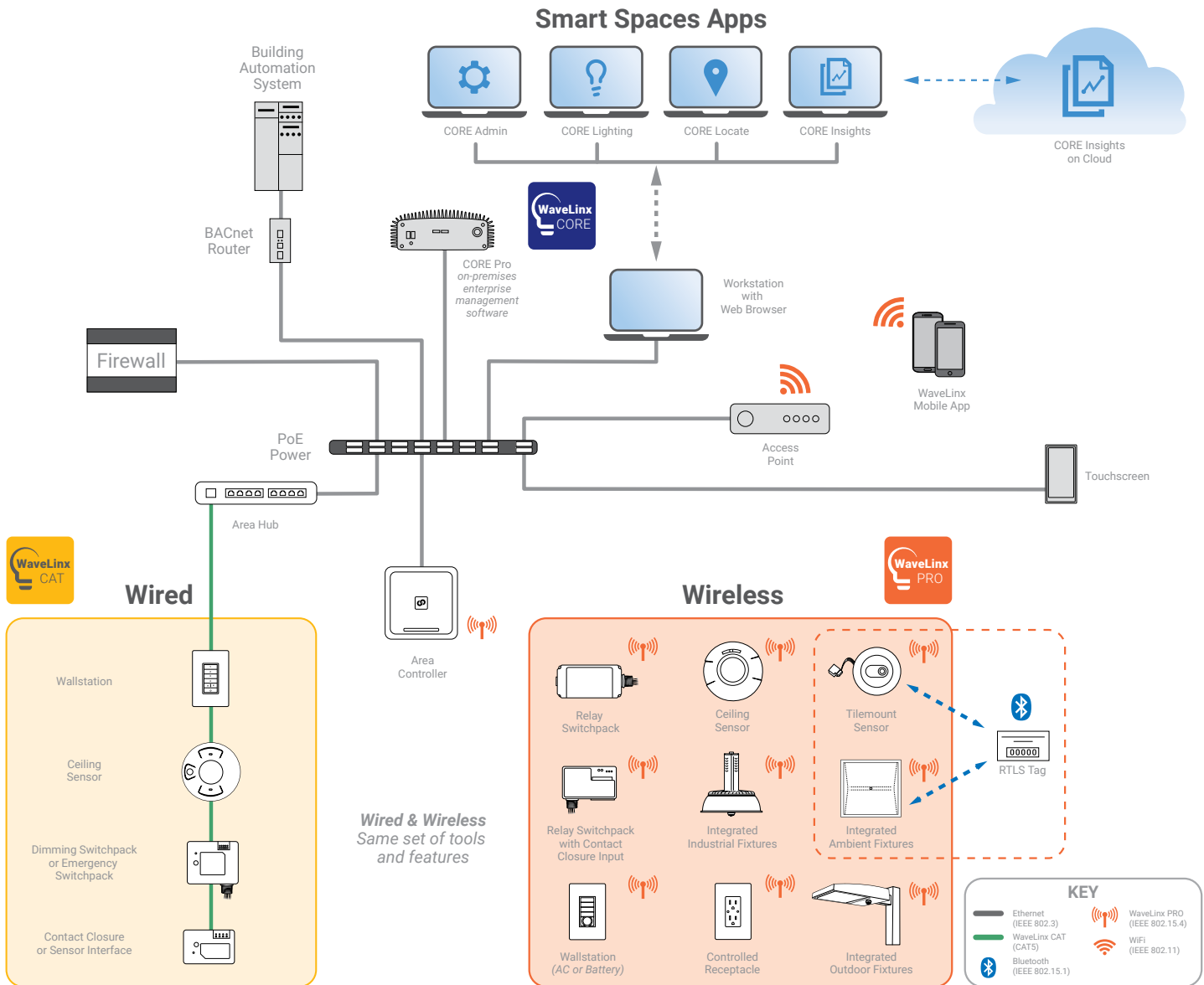
This diagram shows the main components of the WaveLinX connected lighting system with CAT and PRO devices.

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](#)



Control Systems

- WaveLinX