

Project		Catalog #		Type	
Prepared by		Notes		Date	



# WaveLinX

## PRO Wallstation (WW-Series)



A wireless 120/277VAC powered wallstation with configurable button options including toggle, on/off, raise lower and presets scenes

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

 **Interactive Menu**







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

**Product Certification\***




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

**Product Features**



**Compatibility**



**Overview**

The PRO WW-Series Wallstation is a wireless, 120/277 VAC powered wallstation with configurable buttons including toggle, on/off, raise lower, and preset scenes. Each button’s actions are configurable using the WaveLinX Mobile App.

The PRO WW Wallstation’s elegant design enhances the aesthetic of a space while allowing occupants to adjust the room’s brightness levels based on their sensitivity and needs.

- Product Features & Benefits**
- **Configurable button options** – Power toggle (on/off), raise/lower, multi-scene selection
  - **Single LED Indicator** – Indicates the status of the wallstation
  - **120/277VAC powered (neutral required)** – No battery replacement required
  - **Button actions configurable via software** – Customize the actions of each button using WaveLinX Mobile Application or WaveLinX Core Lighting App

## Order Information

The WaveLinx PRO WW-Series Wallstation is an accessory to the WaveLinx system and requires a WaveLinx Area Controller (WAC) for full functionality. The WaveLinx PRO WW-Series Wallstation is used to provide local and multi-level control in spaces and can be mapped to multiple zones in an area to create customizable light levels from simple control to architectural.

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) the product to work or connect the wallstations to an existing WaveLinx Area Controller.

**Important Note:** The WaveLinx PRO WW-Series wallstation only works with 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
WW1-W	WaveLinx PRO Wallstation, 1 Button, White
WW3-W	WaveLinx PRO Wallstation, 3 Button, White
WW3-RL-W	WaveLinx PRO Wallstation, 3 Button Raise / Lower, White
WW5-RL-W	WaveLinx PRO Wallstation, 5 Button Raise / Lower, White
<b>Notes</b> WaveLinx PRO application required to customize programming for each button.	<b>Notes</b> Suitable for use with standard decorator wall plates (not included). Complete wallstation - buttons are not field replaceable.

## Custom Engraved Wallstation Configurations

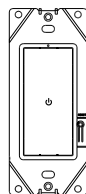
Catalog Number	Description
WW1-W-ENGRV	WaveLinx PRO Wallstation, 1 Button, White, Custom Engraved
WW3-W-ENGRV	WaveLinx PRO Wallstation, 3 Button, White, Custom Engraved
WW3-RL-W-ENGRV	WaveLinx PRO Wallstation, 3 Button Raise / Lower, White, Custom Engraved
WW5-RL-W-ENGRV	WaveLinx PRO Wallstation, 5 Button Raise / Lower, White, Custom Engraved
<b>Notes</b> WaveLinx PRO application required to customize programming for each button.	<b>Notes</b> 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

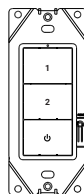
Wallplates are not included with Wallstations. Please order separately.

### Catalog Number

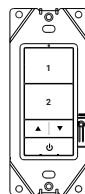
Catalog Number	Description
PJS26W	1 Gang Screwless Faceplate, White
PJS262W	2 Gang Screwless Faceplate, White
PJS263W	3 Gang Screwless Faceplate, White
PJS264W	4 Gang Screwless Faceplate, White
PJS265W	5 Gang Screwless Faceplate, White



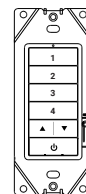
WW1-W



WW3-W



WW3-RL-W



WW5-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 last button press (OR last selected) command within the area

### Raise / Lower / OFF buttons

Raise Area light level  
Lowers Area light level  
Turns all lights in area ON / OFF



### Button programming options via WaveLinx Pro Mobile Application

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

## Product Specifications

### Key Features

- Easy installation and flexibility:
  - Scene selection
  - Zone control
  - Raise / Lower
  - Scene / Zone Toggle
  - ON / OFF
- Suitable for standard single or multi-gang NEMA wall box (wallplate not included)
- Mains (120/277 VAC) powered for simple new or retrofit installations
- Clean, elegant, and simple way to control lighting on your project
- Settings are programmable through software, no physical adjustments necessary

### 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 decorator opening (wallplate not included)

**Color:** White

### Electrical

**Input power:** 120-277VAC 50/60Hz (neutral wire required)

**Input current:** 5mA @120V and 5mA @277V

### 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\*

- cULus Listed - Energy Management Equipment (UL916)
- 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

### Warning

- This product is not intended to be used in applications involving the use of ammonia-based or VOC cleaners.
- 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.
- For detailed cleaning guidelines please refer to: Controls Care and Maintenance instructions at the end of this document.

### Warranty

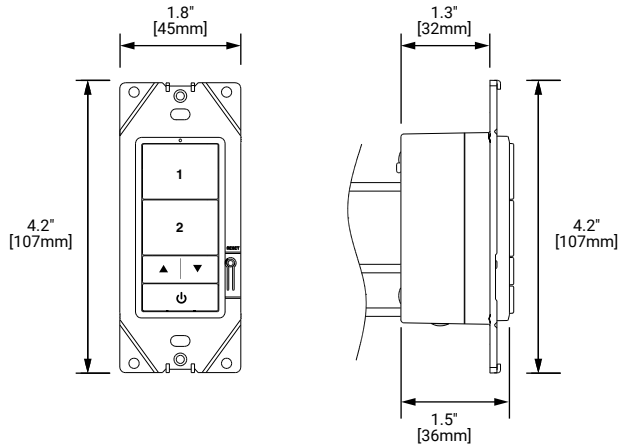
Five year warranty standard



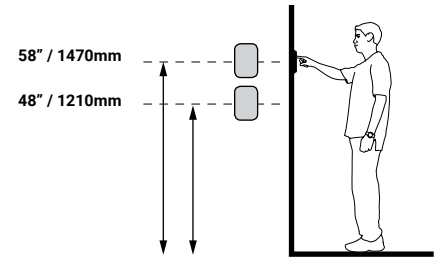
Download the WaveLinx Mobile Application from either the Google Play or Apple Store®

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

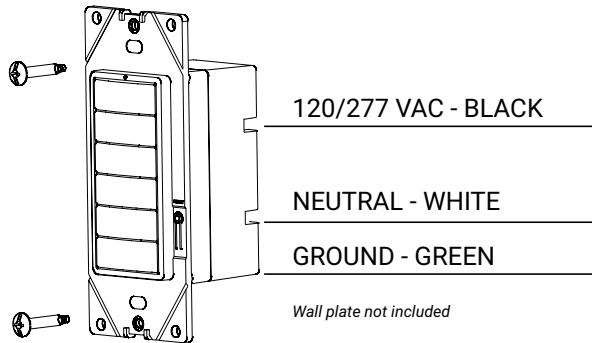
## Dimensional Details



## Mounting Height



## Installation



## System Diagram:

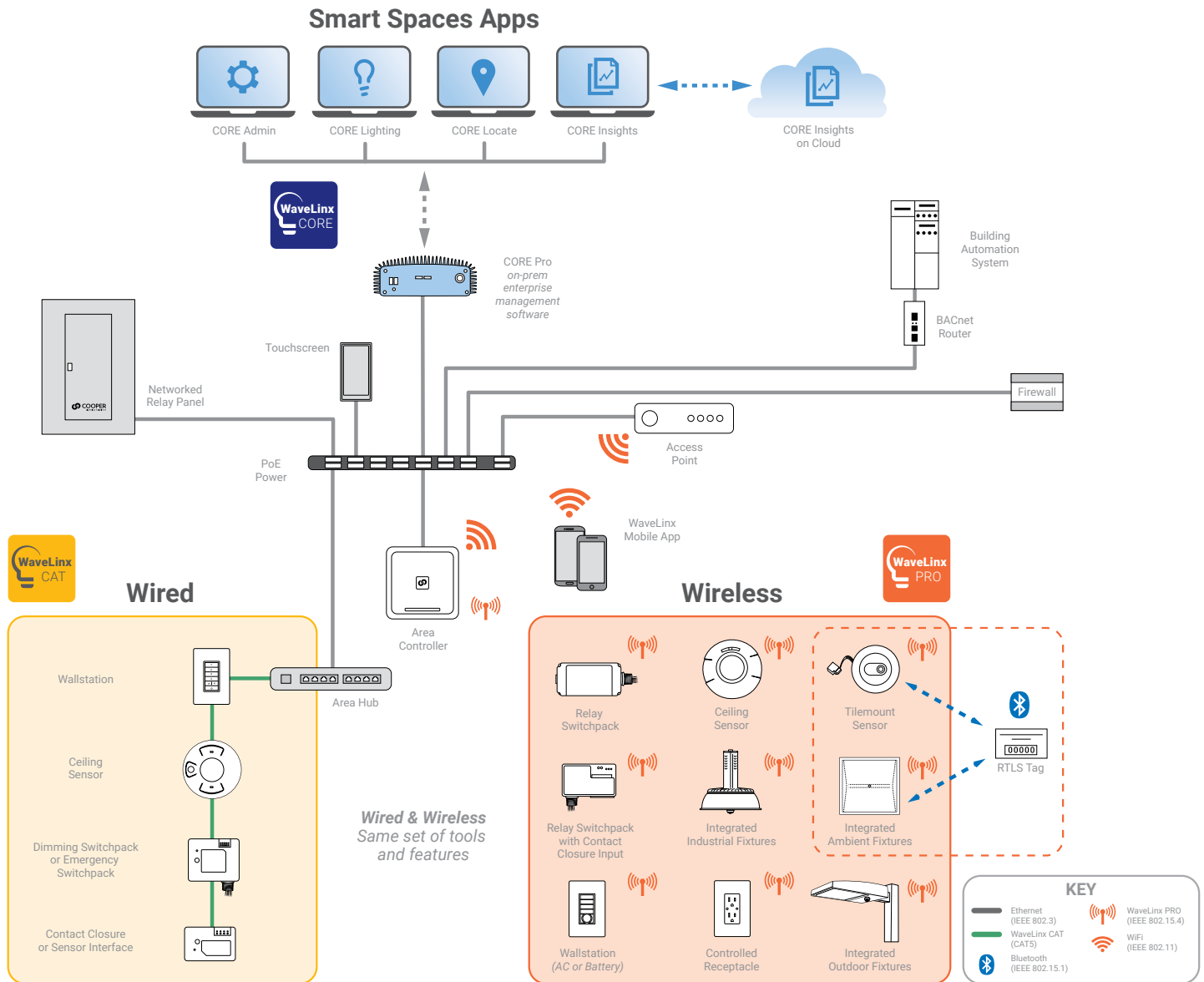
This diagram shows the main components of the WaveLinx connected lighting system with CAT and PRO devices.

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



Cooper Lighting Solutions has developed recommended guidelines for cleaning our products that will not impact the operation or finish of the product.

### Recommended cleaning tips:

- **Never spray any fluids directly into the device.**
- **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.
- **Use a damp rag or single-use wipe** to avoid excess liquid penetrating the device.
- Be sure to wipe up remaining excess liquid after cleaning.
- Ensure the cleaning agent used does not have harsh chemicals such as bleach, ammonia, highly alkaline or concentrated acids (such as hydrochloric acid that can be found in household cleaners such as toilet bowl cleaners, bathroom tile and porcelain cleaners) as they could damage the device, causing them to become brittle and discolored.
- Cooper Lighting Solutions recommends the use of a mild liquid detergent and water to clean the devices. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however the single-use wipes **cannot contain bleach, ammonia, highly alkaline or concentrated acids.**

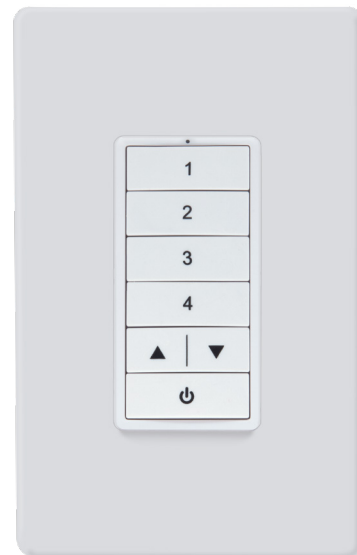


image for  
reference only



### WARNING

*This product is not intended for use in applications involving the use of ammonia-based or VOC cleaners.*

*Prolonged use may cause loss of integrity and expose electrified components.*

*If this occurs, turn OFF power to the unit and replace.*

### Recommended cleaning instructions:

- **Never spray any fluids directly into the device.**
- Apply the mild liquid detergent to a damp cloth or paper towel. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however single-use wipes cannot contain bleach, ammonia, highly alkaline or concentrated acids.
- If excess liquid is present, remove by wringing out the cloth or paper towel to avoid liquid penetration into the device.
- Clean the Cooper Lighting Solutions device by wiping over the surface with the damp cloth.
- Remove an excess liquid remaining on the device with a dry cloth or paper towel.