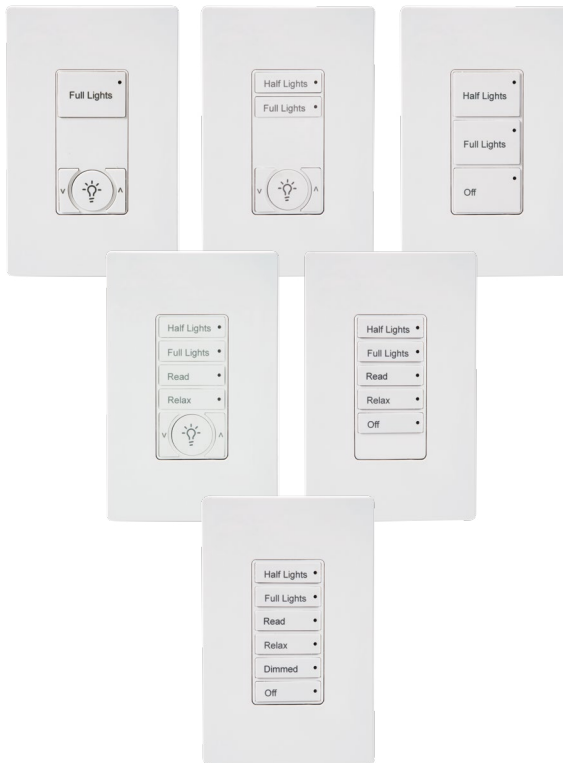


WaveLinx Wallstation

Catalog#	Prepared by
Project	Date
Comments	Type



WaveLinx Wallstation

Overview

The wallstation is an integral part of the WaveLinx Wireless Connected Lighting System and is available in several button small and large button configurations as well as various colors. These wallstations are mains powered and provide wireless control of the lighting in each area. The wallstations operate on a mesh wireless network based on IEEE 802.15.4 standards.

The wallstation mounts in a standard wallbox and includes a decorator style color matching wallplate. 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 wallstation is a multi-scene, single area dimming wallstation which provides customized light level for each area. The wallstation provides default sequence of operations including 50% light level, scene light levels between 30-70% as well as 100% and full off. Many wallstation configurations also include scene raise/lower buttons to further adjust the light levels.

Features

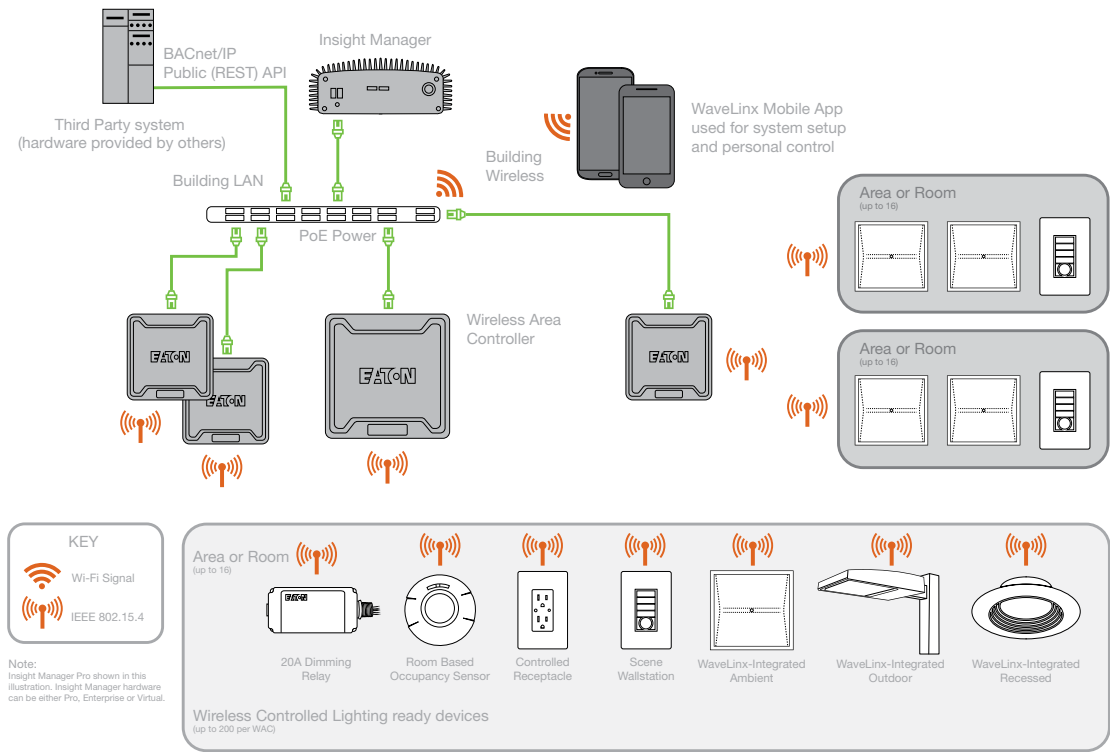
- Easy installation and flexibility
 - Multi-scene selection
 - Scene Raise/Lower
 - Toggle On/Off
- Suitable for standard single or multi-gang NEMA wall box with decorator style color match wallplates
- Mains powered for simple new or retrofit installations
- Clean, elegant, and simple way to control lighting on your project.
- All settings are programmable through software, no physical adjustments necessary



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System Architecture

This diagram shows the main components of the WaveLinx Wireless Connected Lighting (WCL) system. The WaveLinx system communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A POE LAN connection for each Wireless Area Controller (WAC) is required for power and data access to the building wireless network. System setup is achieved through a simple mobile application via wireless communication to the system.

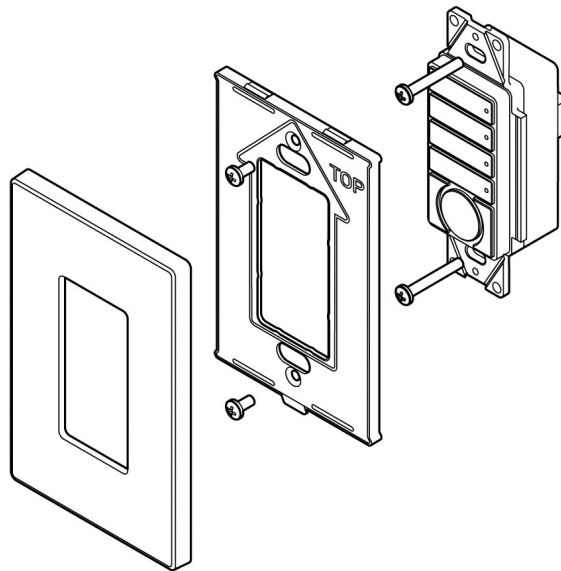


Specifications

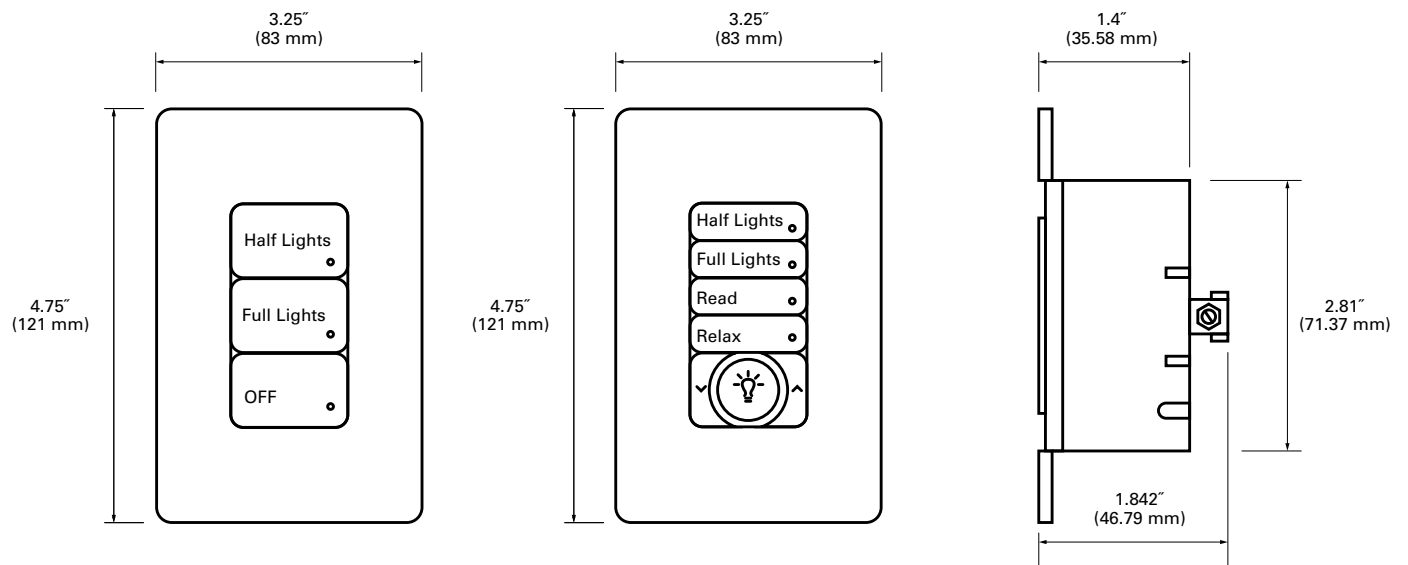
Power	Input power: 120/277VAC Input current: 20mA (120V), 15mA (277V)
Indicators	Button LEDs White (1 per scene button) LED functionality <ul style="list-style-type: none">• Indication of wireless network join request• Indication of wireless network connection• Scene indication of operations
Button Configuration	Large buttons 1-3 Small buttons 2,4,5,6
Installation	Standard decorator opening
Size	4.75"H x 3.35"W x 1.85"D (121mm x 83mm x 47mm)
Software Specifications	Each button programmable to trigger or toggle Scene or Zone Default values when joined to an area via WaveLinx Mobile application Dominant button sets area to 50% dimmable light levels Fade rates and scene transitions are programmable Capable of multiple actions per button press
Environmental Specifications	Operating Temperature Range: 32°F to 113°F (0°C to 45°C) Storage Temperature Range: 32°F to 167°F (0°C to 75°C) Relative Humidity: 5% to 95% non-condensing, for indoor use only

Standards	Listings: cULus Certified, FCC Part 15
	
	Meets ASHRAE Standard 90.1 requirements
	Meets IECC 2015 requirements
	Meets CEC Title 24 requirements
Wireless Specifications	Radio: 2.4GHz Standard: IEEE 802.15.4 Transmitter Power: + 7dBm Configuration type: Router, End Point Range : 50m (150ft) LOS # of Walls: 3 interior walls standard construction Max # of Devices: 200 per Wireless Area Controller (best practice 100 devices)

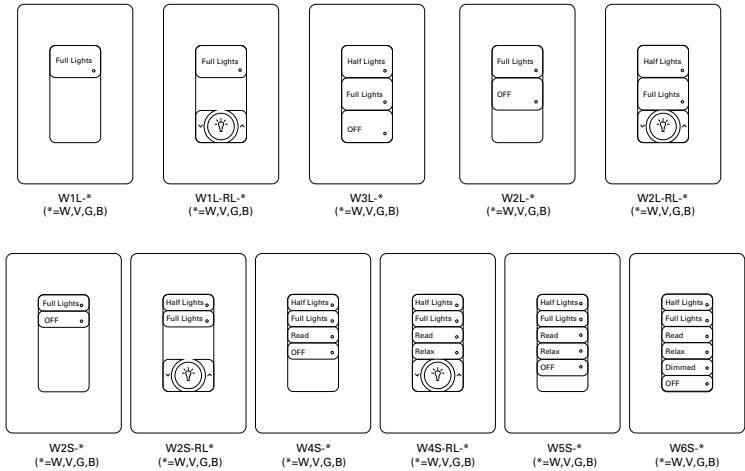
Supplied Parts



Dimensions



Button Options



Ordering

The WaveLinx wallstation is an accessory to the WaveLinx Wireless Connected Lighting (WCL) system and requires a Wireless Area Controller (WAC) for full functionality.

The 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.

Catalog #	Description	Color Options
W1L -*	WaveLinx, 1 Button Large wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W1L -RL -*	WaveLinx, 1 Button Large (RAISE/ LOWER) Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W2L -*	WaveLinx, 2 Button Large Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W2L -RL -*	WaveLinx, 2 Button Large (RAISE/ LOWER) Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W3L -*	WaveLinx, 3 Button Large Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W2S -*	WaveLinx, 2 Button Small Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W2S-RL -*	WaveLinx, 2 Button Small (RAISE/ LOWER) Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W4S -*	WaveLinx, 4 Button Small Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W4S -RL -*	WaveLinx, 4 Button Small (RAISE/ LOWER) Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W5S -*	WaveLinx, 5 Button Small Wallstation	*=W-White, V-Ivory, G- Gray, B - Black
W6S -*	WaveLinx, 6 Button Small Wallstation	*=W-White, V-Ivory, G- Gray, B - Black

Note: WaveLinx Wireless Wallstations include standard engraving and color matching screwless single gang wallplates. For custom engraving information use the custom text form found on the product page.

Required Accessories

All WaveLinx Wireless Connected Lighting (WCL) system accessories require at least one Wireless Area Controller (WAC) for communications. Ensure the bill of material includes one of the following components.

Catalog #	Description
WAC-POE	Wireless Area Controller, POE powered

Optional Accessories

For connection to 120VAC outlets.

Catalog #	Description
WPOE-120	10V to PoE Injector