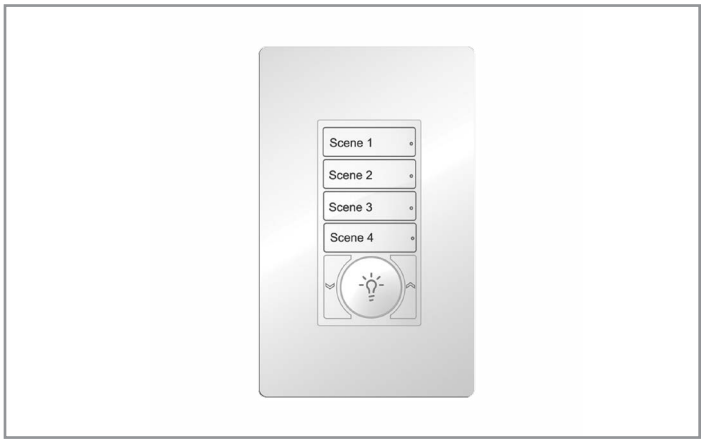
Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



WaveLinx Wired

CLS Wallstation

INEO

Typical Applications

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

Interactive Menu

- Ordering Information page 2
- Wiring Diagrams page 3
- Additional Resources page 4
- Connected Systems page 5
- Product Warranty

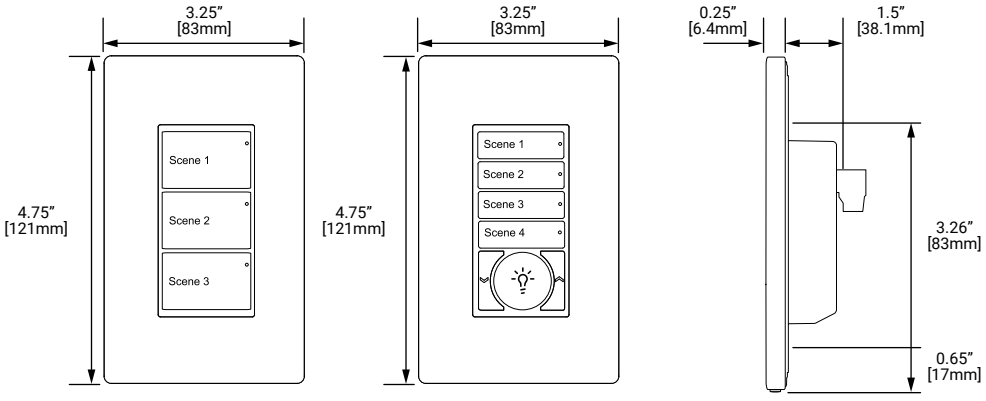
Product Features

WaveLinx Wired 5-Wire Bus | Manual Dimmer | Receptacle Control | Tuning Control

Top Product Features

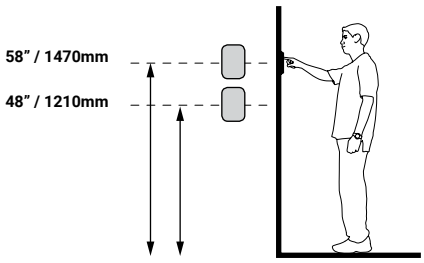
- Configurable through software, no physical adjustments necessary
- Create virtual groups for flexible configurations
- Suitable for standard single or multi-gang NEMA wallbox installation with decorator style wallplates
- Multi-scene selection, raise/lower, toggle on/off for a zone or area

Dimensional Details



- 10 standard button configurations
- Mounts to standard NEMA style Backbox, standard decorator insert size

Mounting Height



additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **CLS-1TLB-RL-W-IR**

Catalog Number

Series	Number of Buttons	Button Size	Raise/Lower/ON/OFF	Color	IR Receiver Installed
CLS = INEO Series	**1-3** = Large Buttons (TLB), no Raise/Lower, On/Off **1-2** = Large Buttons (TLB), Raise/Lower, On/Off **2-6** = Small Buttons (TSB), no Raise/Lower, On/Off **2-4** = Small Buttons (TSB), Raise/Lower, On/Off	**TLB** = Large Buttons **TSB** = Small Buttons	**Blank** = No Raise/Lower/ON/OFF **RL** = Raise/Lower/ON/OFF	**W** = White **B** = Black **V** = Ivory	**IR** = Fitted
			Notes For custom configurations or custom engraving, use the configurator tool within the FlashPro tool.		

Description	Image
1 Large Button CLS-1TLB-W-IR	
1 Large Button Raise & Lower ON/OFF CLS-1TLB-RL-W-IR	
2 Large buttons CLS-2TLB-W-IR	
2 Large buttons Raise & Lower ON/OFF CLS-2TLB-RL-W-IR	
3 Large buttons ON/OFF CLS-3TLB-W-IR	

Description	Image
2 Small Buttons CLS-2TSB-W-IR	
2 Small buttons ON/OFF Raise & Lower CLS-2TSB-RL-W-IR	
4 Small buttons CLS-4TSB-W-IR	
4 Small buttons ON/OFF Raise & Lower CLS-4TSB-RL-W-IR	
6 Small buttons CLS-6TSB-W-IR	

*One single gang color matching wallplate included

Product Specifications

Functionality

- 4 different styles of button caps that can be used to construct a wide range of derivatives:
  - Scene
  - Raise
  - Lower
  - ON/OFF
- Choice of large or small button caps
- Buttons available with standard or custom engraving
- ON/OFF switch (Lightbulb icon - certain configurations)
  - Double tap of the On/Off switch overrides the fade time
- Flash memory for future proof upgradeability
- Variable fade times programmable from 0.1 seconds to 60 minutes per button
- Built-in infrared receiver with learnable remote codes
- Network Communication using iCANnet (iCANbus)
- A range of ten standard wallstation templates can be selected via the Source Controller for easy configuration
- Using software each button can be configured to perform the following functions:
  - Scene Selection
  - Scene Raise/Lower
  - Zone/Channel Raise/Lower
  - Toggle ON/OFF
  - Open/Close (for curtains, blinds, and partitions)
  - Raise/Lower (motorized screens/blinds)
  - Sequence control (16 sequences with up to 128 steps)

Mechanical

Operating Environment: 32° F to 104° F (0° C to 40° C)
Humidity: 0% - 95% non-condensing

- Suitable for standard single and multi-gang NEMA wall box with decorator style wallplate
- All plastic construction with a separate decorator style snap-on surround

Electrical

- 12 VDC supply voltage via the network
- **Digital network connection:** Screw terminals with two part connectors, able to accept 16 AWG (1.5mm) stranded or solid wire
- Tested to withstand 12kV electro-static discharge without damage or memory loss
- **Configuration:** Universal module allows for 10 unique button inserts to be added at anytime and configured through software

Standards/Ratings

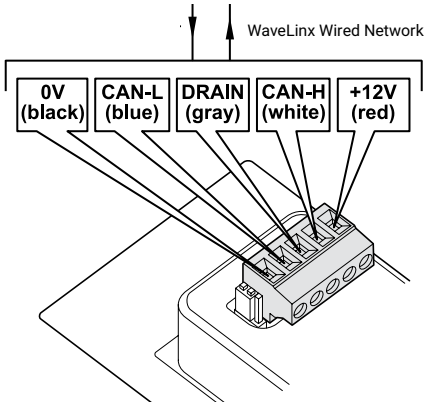
- Manufactured in an ISO 9001 certified factory
- Meets ASHRAE Standard 90.1 requirements
- Meets IECC 2015 requirements
- Meets CEC Title 24 requirements

Warranty

Five year warranty standard

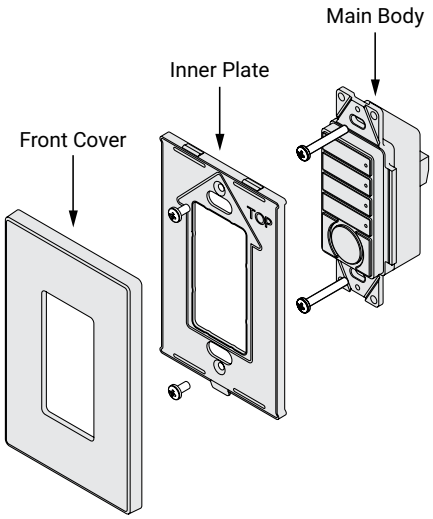
Note: Use of ammonia based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.

Wiring Diagram



- WaveLinx Wired Network cable type – Cooper LCCNP (Non Plenum) Cable or LCCP (Plenum) or Belden 1502R (Non Plenum) or 1502P (Plenum)
- CLS Wallstations require power from a Source Controller or Area Controller or a 15 VDC External Power Supply. Each Source Controller or Area Controller can power up to 10 wallstations/devices over a 1000 foot distance. For more than 10 wallstations/devices per Source Controller or Area Controller add a 15 VDC External Power Supply. For wallstations/devices further than 1000 feet from a Source Controller or Area Controller add a 15 VDC External Power Supply.
- 100 Devices per physical segment on the WaveLinx Wired Network, maximum segment distance of 1000m/3200ft. A network bridge (BN-2-NA) can be added to combine more than 100 devices together (up to 65,000 total) and to extend network cable distance.

Supplied Parts



Overview

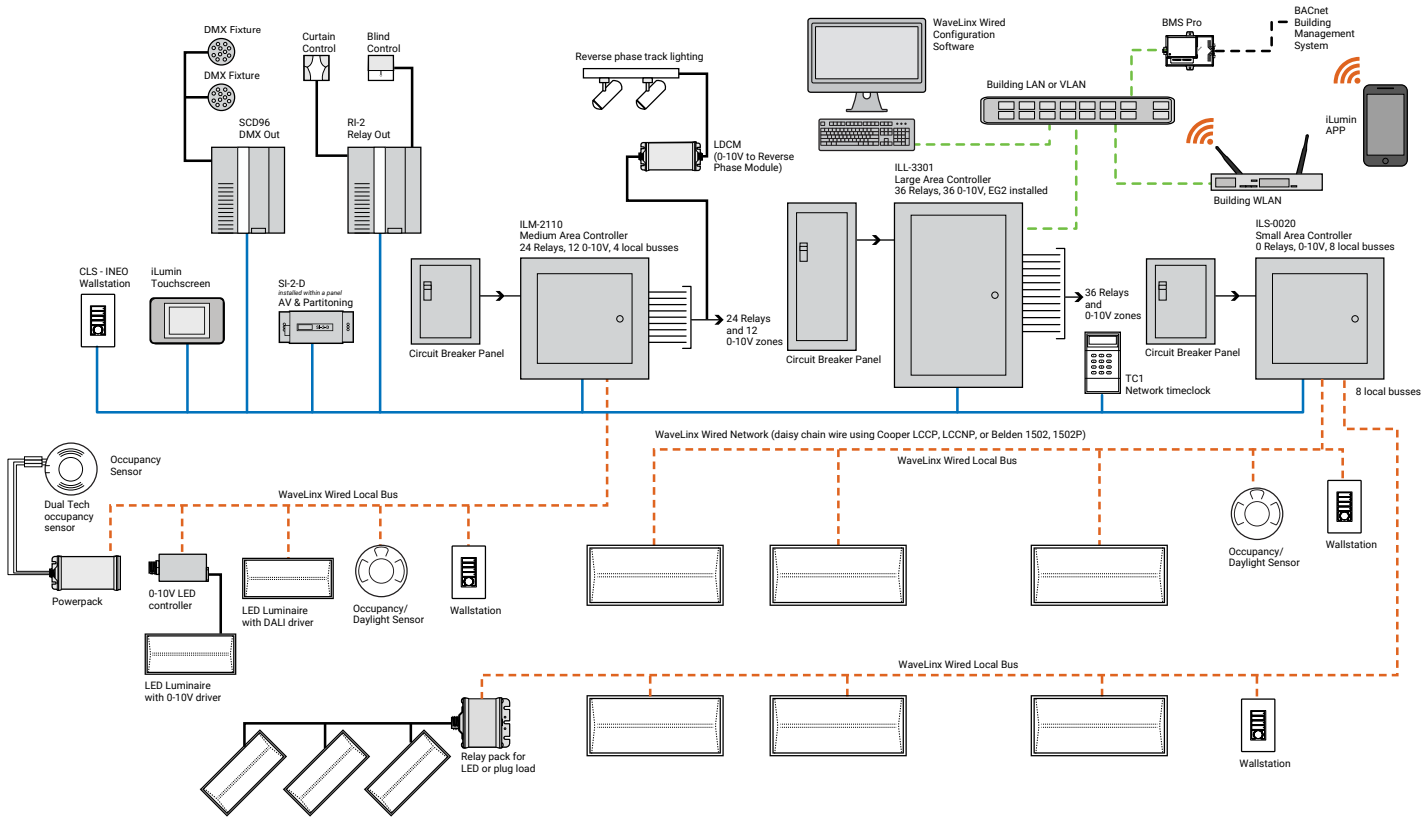
Ineo is the specification grade range of wallstations that combine the easiest user interface in the industry with a large circular ON/OFF button, a universal module with up to 10 button configurations, large or small button options, and engraving.

Designed to fit with standard decorator wallplates, Ineo wallstations can be ganged together to meet specific project needs. Individual buttons have backlight indicator lights and strong tactile feedback.

Ineo is the clean, elegant, and simple way to control lighting on your project.

System architecture

Complete WaveLinx Wired system



Sample System Topology:

This diagram shows the main components of the WaveLinx Wireless and Wired Connected Lighting system.

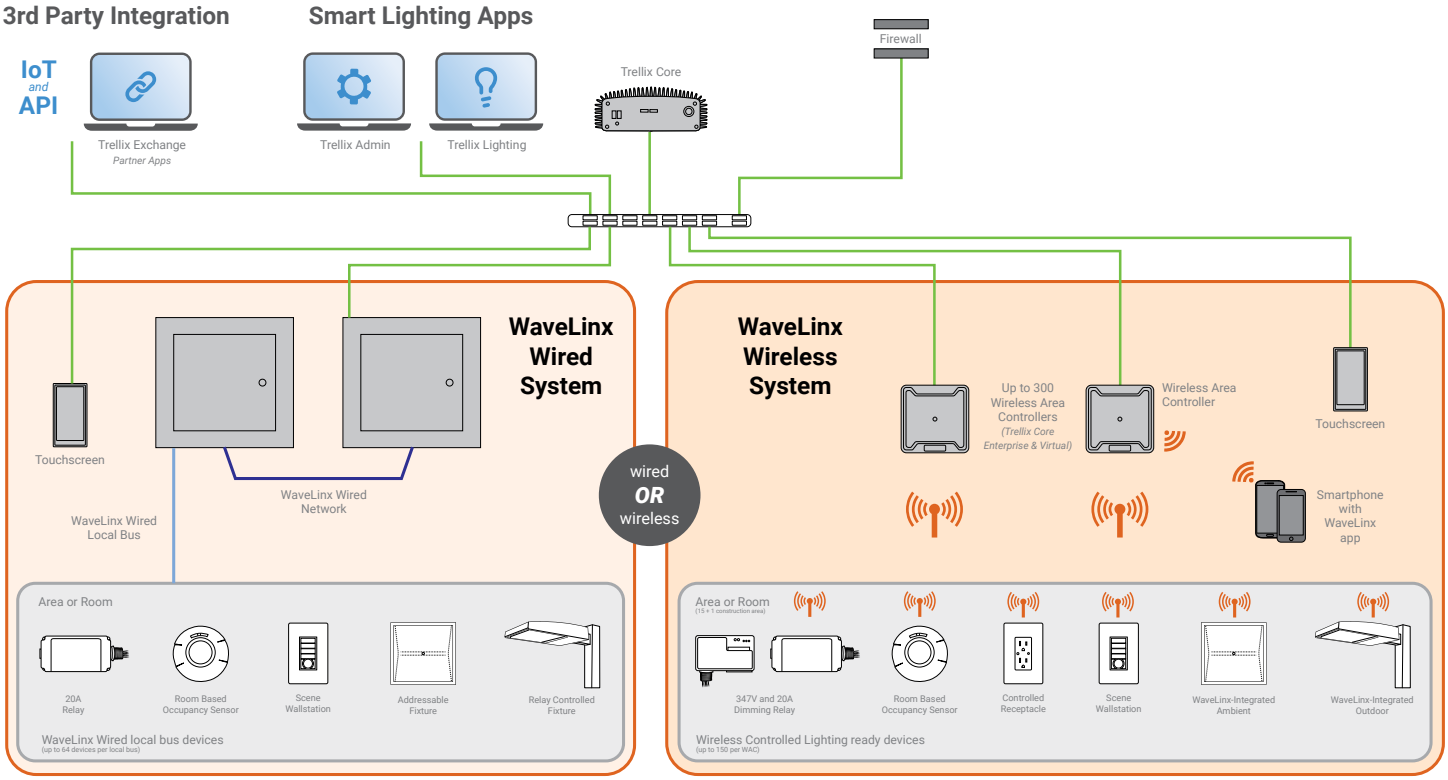
The **WaveLinx wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each Wireless Area Controller (WAC) is required for power and data access to the building lighting network.

The **WaveLinx wired system** controls the devices using relay, 0-10V, DMX and the WaveLinx wired digital local bus. The WaveLinx wired system connects to the building LAN using the EG2 module. Each WaveLinx wired area controller communicate on the WaveLinx wired network. The WaveLinx wired network supports over 60,000 devices.

The Trellix Core, WaveLinx Area Controllers (WAC) and WaveLinx Ethernet Gateways (EG2) communicate with each other over the Ethernet network.

Please refer to the WaveLinx Wireless Network and IT Guidance Technical Guide and WaveLinx Wired Network and IT Guidance Technical Guide for more information.

View WaveLinx Network and IT Guidance Technical Guide



Control Systems

- Trellix
- WaveLinx Wireless
- WaveLinx Wired
- VividTune

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com