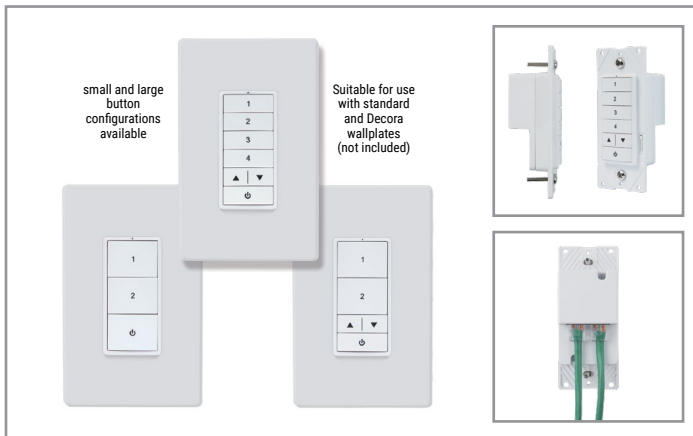


Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinX

CAT Wallstation (WST-C series)

Multi-scene and Single area dimming

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- Connected Systems page 5
- Product Warranty

Product Certification*



- Meets latest ASHRAE 90.1 - 2019 requirements
- Meets latest IECC - 2021 requirements
- Meets latest Title 24 - 2019 requirements
- Manufactured in an ISO 9001 certified factory

Product Features



Compatibility



Overview

The WaveLinX CAT Wallstation is a sleek commercial keypad with smooth tactile feedback that allows users to control lighting levels in a space managed by WaveLinX CAT switchpacks. The wallstation is a single gang decorator keypad that enable toggle/raise/lower/scene and level control of lighting zones. The wallstation is powered by and communicates with the other CAT devices via CAT5 cable through RJ45 connectors. The same CAT5 cable is used to power the wallstation. The wallstation is available in a variety of button configurations. Each button's action can be customized using the intuitive WaveLinX CAT mobile app.

Product Features & Benefits

- **Comprehensive button configuration options (multi-scene selection, raise/lower, on/off)** – Allowing specifier to offer customized experience in areas such as conference rooms, private offices, and other areas requiring architectural dimming
- **Powered by the category cable** – No separate power source required to power the wallstation.
- **Clean and Elegant design** – Suitable for all interior applications
- **Software programmable buttons** – Customize each button and light level to improve occupant experience
- Reduced commissioning time with easy configuration through WaveLinX CAT mobile app

product diagrams

Order Information

WaveLinx CAT Wallstations are accessories to the WaveLinx system which may be commissioned via the WaveLinx mobile apps.

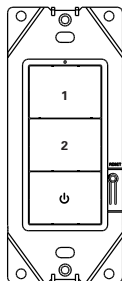
Catalog Number

Standard Wallstation Configurations

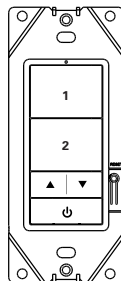
Catalog Number	Description
WST-C-3	WaveLinx CAT Wallstation, 3 Button
WST-C-3D	WaveLinx CAT Wallstation, 3 Button Dimming
WST-C-5D	WaveLinx CAT Wallstation, 5 Button Dimming
Notes WaveLinx CAT application required to customize programming for each button.	Notes Suitable for use with standard and Decora wallplates (not included). Complete wallstation - buttons are not field replaceable.

Custom Engraved Wallstation Configurations

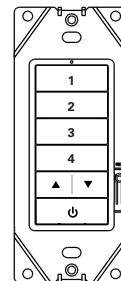
Catalog Number	Description
WST-C-3-ENGRV	WaveLinx CAT Wallstation, 3 Button, Custom Engraved
WST-C-3D-ENGRV	WaveLinx CAT Wallstation, 3 Button Dimming, Custom Engraved
WST-C-5D-ENGRV	WaveLinx CAT Wallstation, 5 Button Dimming, Custom Engraved
Notes WaveLinx CAT application required to customize programming for each button.	Notes Suitable for use with standard and Decora wallplates (not included). For custom engraving use the configurator tool within the FlashPro Program (CUST-ENGRV). Complete wallstation - buttons are not field replaceable.



WST-C-3



WST-C-3D



WST-C-5D

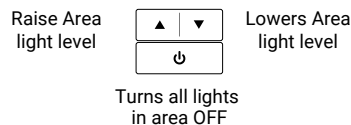
Standard button engraving for each wallstation

WST-C-3D and WST-C-3 Default engraving & light levels

Button 1	Scene 1 = 100%
Button 2	Scene 3 = 50%
Raise press*	Increase 1% (per press)
hold*	Increase 15% (per sec)
Lower press*	Decrease 1% (per press)
hold*	Decrease 15% (per sec)
Power*	Scene 0 = OFF

* - affects all zones in area

Raise / Lower / OFF buttons



Button programming options via WaveLinx CAT Mobile Application

Scene Selection
Zone Level
Raise Level
Lower Level
No Action

WST-C-5D Default engraving & light levels

Button 1	Scene 1 = 100%
Button 2	Scene 2 = 70%
Button 3	Scene 3 = 50%
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*	Scene 0 = OFF

* - affects all zones in area

Required Accessory

The WaveLinx CAT network requires termination of the local CAT bus network on both ends.

Catalog Number

Catalog Number	Description
ACC-C-TP-6PK	ACC-C Canbus Termination Plug - 6PK

Optional Accessories**Catalog Number**

Catalog Number	Description
GGRJ45-006-G	RJ45 cables 6 inches
GGRJ45-03-G	RJ45 cables 3 feet
GGRJ45-10-G	RJ45 cables 10 feet
GGRJ45-25-G	RJ45 cables 25 feet
GGRJ45-50-G	RJ45 cables 50 feet
GGRJ45-100-G	RJ45 cables 100 feet
GGRJ45-10P-G	RJ45 cables 10 feet plenum rated
GGRJ45-25P-G	RJ45 cables 25 feet plenum rated
GGRJ45-50P-G	RJ45 cables 50 feet plenum rated
GGRJ45-100P-G	RJ45 cables 100 feet plenum rated

Product Specifications**Mechanical**

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

Mounting: Standard decorator opening (wallplate not included)

Color: White

Environmental:

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Operating relative humidity:** 5% to 85% non-condensing
- **Storage temperature:** -22°F to 158°F (-30°C to 70°C)
- For indoor use only

Electrical

Input power: CAT powered

Network connection:

- CAT5 Solid Copper 24AWG
- T568B pin/pair assignment is recommended for all CAT5 cable

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:

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

Software Specifications

- Each button programmable to trigger Scene or Zone
- Default values when joined to a network (area) via WaveLinx application
- Models available with dominant button 50% light level
- Secure firmware upgrade OTA from mobile application

Standards/Ratings*

- cULus Listed - Energy Management Equipment (UL916)
- FCC Part 15
- Meets latest ASHRAE Standard 90.1 requirements
- Meets latest IECC 2021 requirements
- Meets latest CEC Title 24 requirements
- NEMA WD-7 and NEMA 4 compliant
- CA Title 20 and Prop 65 compliant

Environmental Regulations:

- RoHS

Warranty

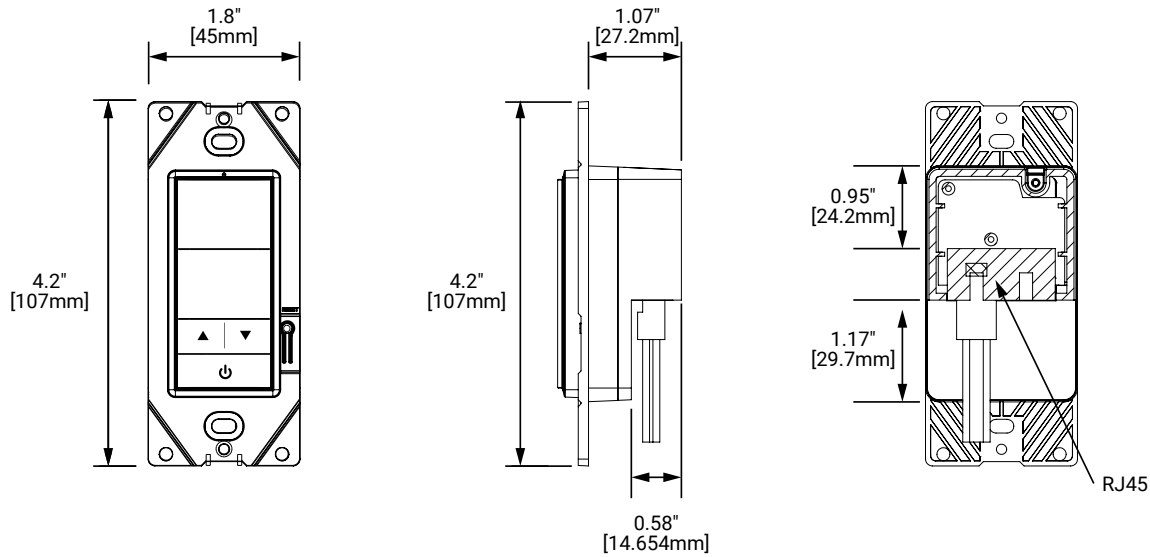
Five year warranty standard

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.

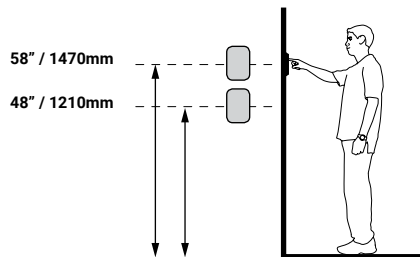


Download the WaveLinx CAT Mobile Application from either the Google Play or Apple Store®

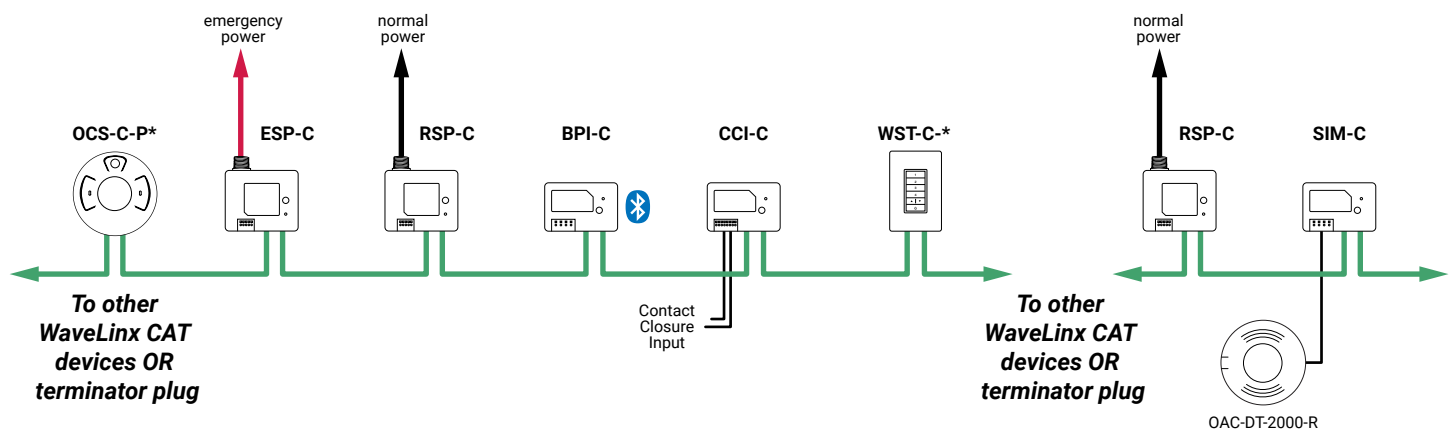
Dimensional Details



Mounting Height



Typical Topology



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


System Diagram:

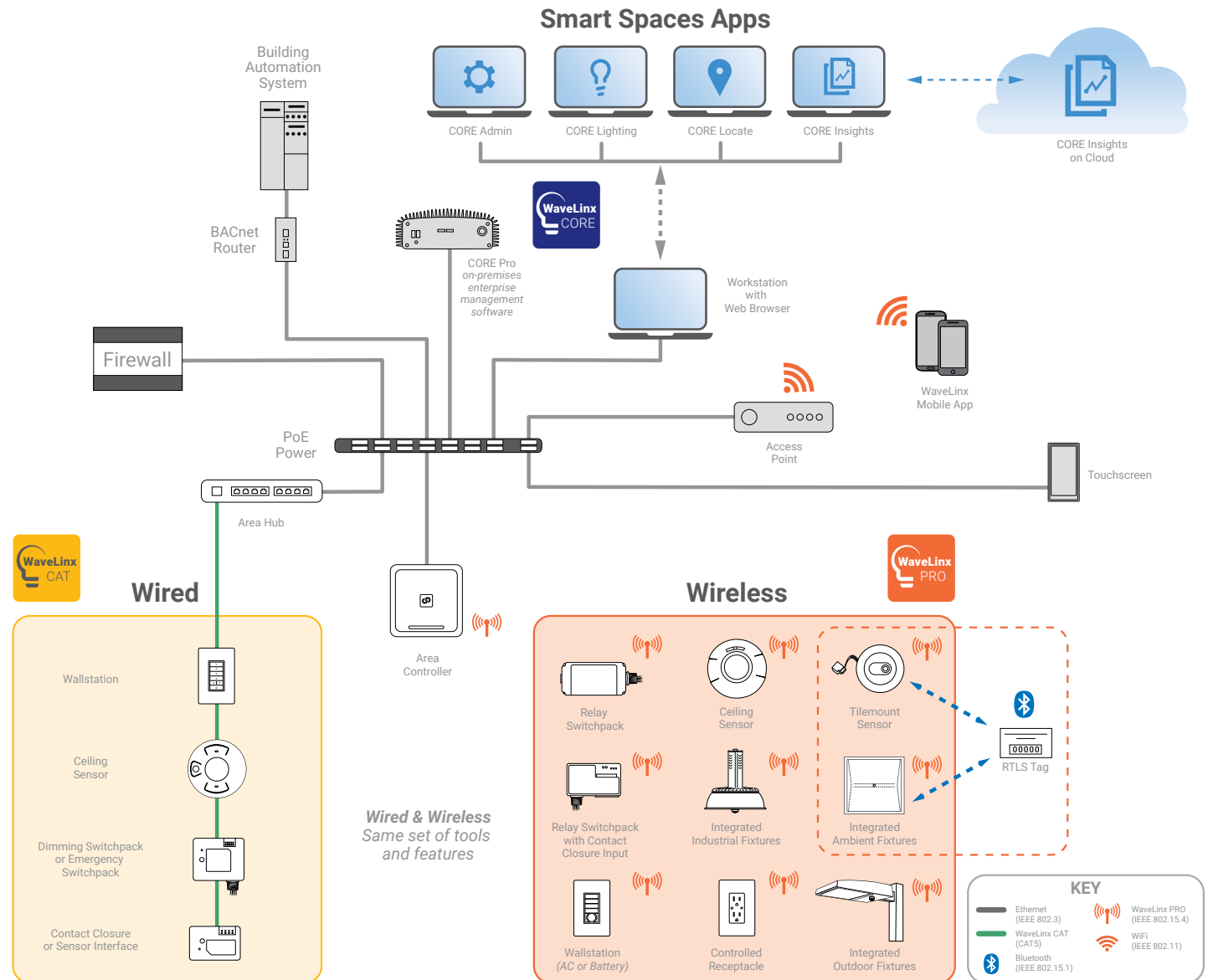
This diagram shows the main components of the WaveLinx connected lighting system with CAT and PRO devices.


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