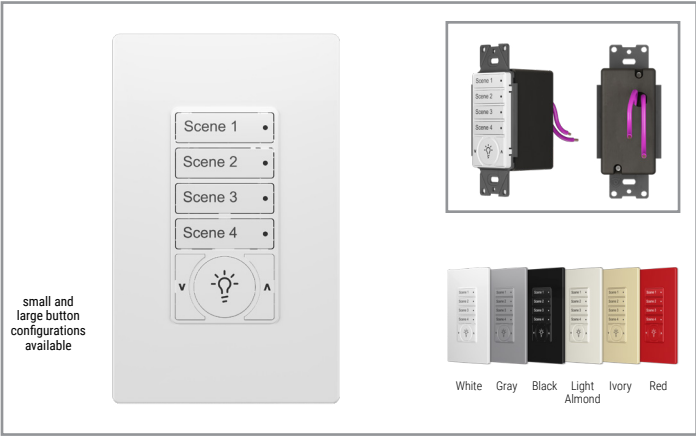


Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinx

DALI-2 Wallstation (WST-D2-*-*)

Multi-scene, single zone, affected zones dimming control, and toggle features

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

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- System Diagram page 6
- Product Warranty

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

Product Features

- WaveLinx Mobile App
- WaveLinx DALI 2 Bus
- WaveLinx DALI 2 IP Based Communication
- Task Tuning
- Manually Switched ON/OFF
- Manual Dimmer
- Scenes
- Zone - Area

Compatibility

- WaveLinx DALI
- WaveLinx Area Controller

Overview

WaveLinx DALI-2 Wallstation offers the specification grade range of wallstations, which combines the easiest user interface in the industry with a large circular On/Off button, a universal module with up to 8 different configurations, large or small button, color, and engraving options. Designed to fit with standard decorator wallplates, the Wallstation can be ganged together to meet specific project needs. Individual buttons have backlight indicator lights and strong tactile feedback.

Product Features & Benefits

- Powered from the DALI-2 BUS
- Flexible configuration of zones, scenes, areas with raise/lower
- Decorator style color match wallplate included

product diagrams

Order Information

WaveLinx DALI-2 Wallstations are accessories to the WaveLinx system which may be commissioned via the WaveLinx mobile app.

SAMPLE ORDER NUMBER: **WST-D2-2DL**
(WaveLinx DALI-2, 2 Large Buttons with Dimming, White)



Colors available

[BLANK] White
G Gray
B Black
A Light Almond
V Ivory
R Red

Catalog Number

Product	System Type	Number of Buttons	Color	Custom Engraving
WST = Wallstation	D2 = DALI-2	1L = 1 Large Button 1DL = 1 Large Button with Dimming 2L = 2 Large Buttons 2DL = 2 Large Buttons with Dimming 3L = 3 Large Buttons 4S = 4 Small Buttons 4DS = 4 Small Buttons with Dimming 6S = 6 Small Buttons	[BLANK] = White V = Ivory G = Gray A = Light Almond B = Black R = Red	[BLANK] = Standard Engraving ENGRV = Custom Engraved
Notes			Notes	
(1) DW includes standard "Scene" engraving and color matching screwless single gang wallplate.			For configuring Custom Engraved wall stations, please use Configurable Spec Sheet	

*One single gang color matching wallplate included

Buttons Only

Catalog Number

Product	System Type	Number of Buttons	Color	Custom Engraving
WST-BTS = Wallstation - BUTTONS ONLY	D2 = DALI-2	1L = 1 Large Button 1DL = 1 Large Button with Dimming 2L = 2 Large Buttons 2DL = 2 Large Buttons with Dimming 3L = 3 Large Buttons 4S = 4 Small Buttons 4DS = 4 Small Buttons with Dimming 6S = 6 Small Buttons	[BLANK] = White V = Ivory G = Gray A = Light Almond B = Black R = Red	[BLANK] = Standard Engraving ENGRV = Custom Engraved
			Notes	
			For configuring Custom Engraved wall stations, please use Configurable Spec Sheet	

Required Accessories






Catalog Number

Catalog Number	Description
WAC2-POE	WaveLinx Area Controller, PoE powered
WDP-D2- * - *	WaveLinx DALI Panel (refer to spec sheet for more details)

Optional Accessories

Catalog Number

Catalog Number	Description
GS308PP	WaveLinx Unmanaged Network Switch with 8 POE+ Ports
ACC-A-CV	Wall station Cover Accessory, 1-Gang
ACC-A-CV2	Wall station Cover Accessory, 2-Gang

Description	Image	Description	Image
1 Large Button WST-D2-1L		3 Large buttons ON/OFF WST-D2-3L	
1 Large Button Dimming ON/OFF WST-D2-1DL		4 Small buttons WST-D2-4S	
2 Large buttons WST-D2-2L		4 Small buttons Dimming ON/OFF WST-D2-4DS	
2 Large buttons Dimming ON/OFF WST-D2-2DL		6 Small buttons WST-D2-6S	

Product Specifications

Functionality

- Integrated two wire DALI-2 communication interface
- All device settings (including timers and groups) are programmable through software, no physical adjustments needed
- Create zones for flexible configurations and controls
- Draws power from communications bus to simplify wiring
- Suitable for standard single or multi-gang NEMA wall box with decorator style wallplates

Button Functionality

Buttons may be configured through the software as follows:

- Click Action:
 - No Action
 - Select Scene
 - Zone Level
 - Zone Toggle
 - Zone Raise
 - Zone Lower

Mechanical

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

Mounting: Standard decorator opening
(One single gang color matching wallplate included)

Colors: White, Ivory, Gray, Light Almond, Black and Red

Environmental:

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- For indoor use only

Electrical

Input Voltage: 10-22.5 VDC supplied by DALI-2 communication bus

Wiring: 18 AWG stranded PTFE plenum rated. Suitable for Class 1 or Class 2 wiring (per NEC 724.48 and 722.15)

Control Specification:

- **Communication Interface:** Two wire DALI-2 bus
- **Current Draw:** 7mA

Start-up time: <500 ms

Standards/Ratings

- Manufactured in an ISO 9001 certified factory
- Meets ASHRAE Standard 90.1 requirements
- Meets IECC requirements
- Meets CEC Title 24 requirements
- DALI Part 301

Product Safety:

- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1
- GTIN: DALI-2 Wallstation: 080083457717

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.

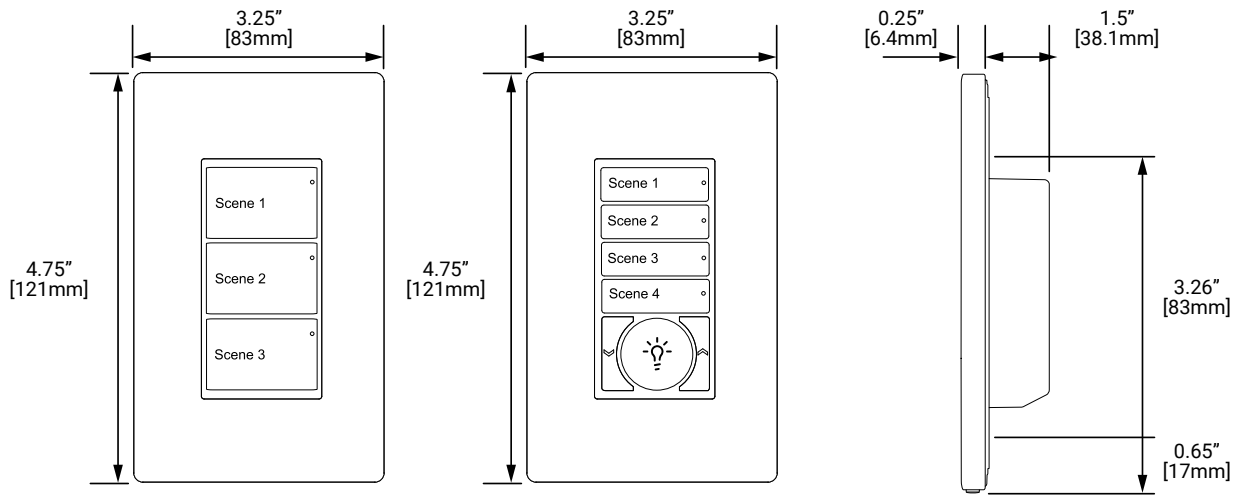
Warranty

Five year warranty standard



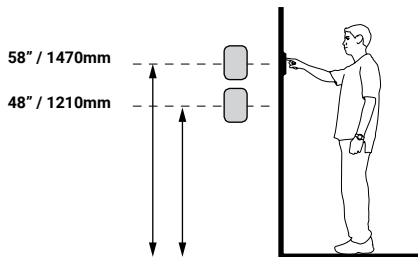
Download the WaveLinx Mobile App from either the Google Play or Apple Store®

Dimensional Details

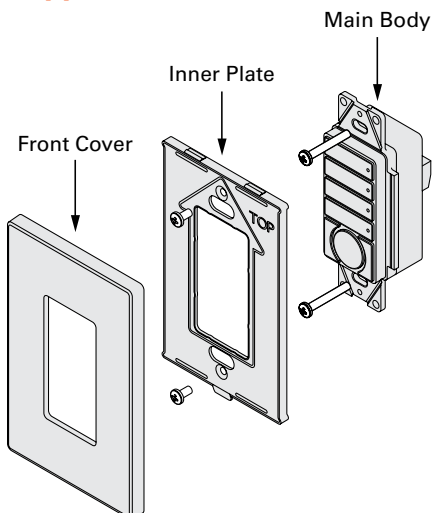


- 8 standard button configurations
- Mounts to standard NEMA style backbox, standard decorator insert size

Mounting Height

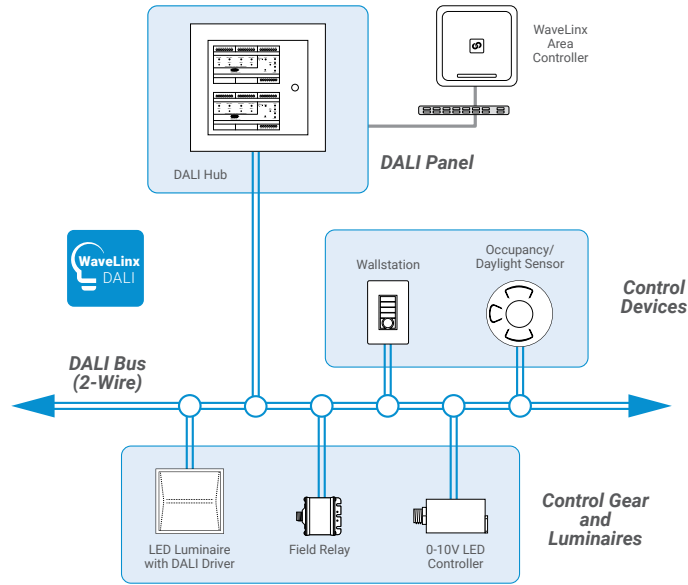


Supplied Parts



System Diagram:

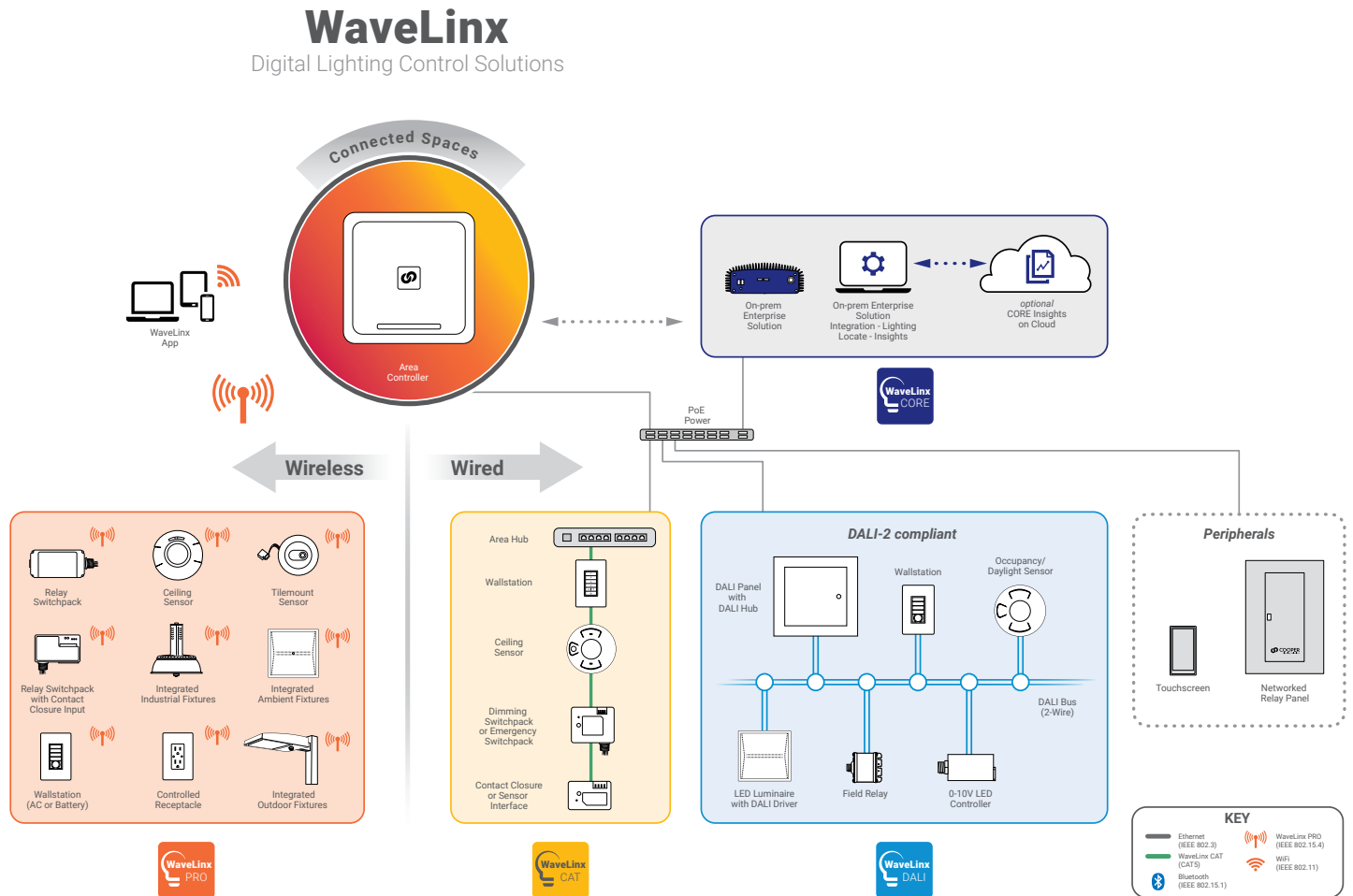
This diagram shows the the main components and topology of the WaveLinx system with DALI devices. The WaveLinx DALI devices use DALI-2 wires for device to device communications while connected to a WaveLinx Area Controller. The WaveLinx DALI enables DALI certified luminaries/drivers and peripherals to function with other WaveLinx devices.



System Diagram:

This diagram shows the main components of the WaveLinx connected lighting system with WaveLinx DALI, 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 DALI devices communicate via a DALI bus (2 wires), which connects various components including DALI fixtures, a DALI DAC (DALI to 0-10V converter), DALI field relays, DALI wallstations, and DALI occupancy sensors. 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.**

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.

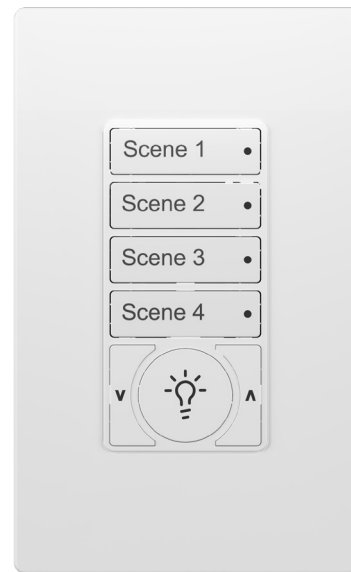


image for reference only

⚠ 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.