CRESTRON

Description

The Crestron® CLWI-KPLCN is the companion keypad for CLWI dimmers and switches. It provides lighting and audio control from multiple locations around the home or office. Recall scenes, dim up and down, and adjust volume using the customizable button layout.
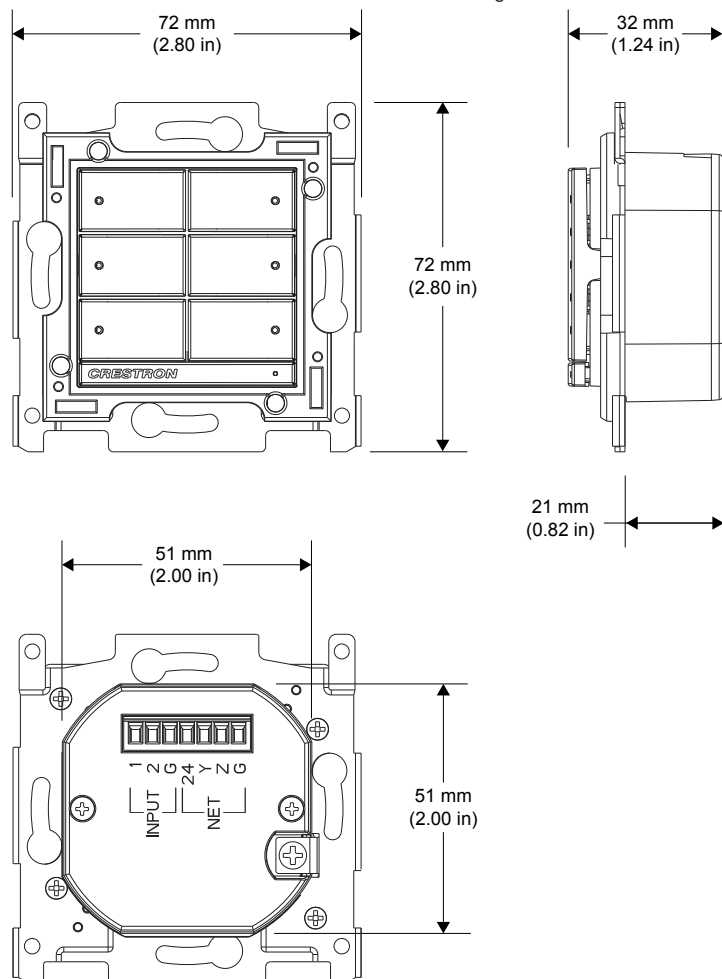
Specifications

Specifications for the CLWI-KPLCN are listed in the following table.

SPECIFICATION	DETAILS
Cresnet Power Usage	0.5 W (0.02 A @ 24 Vdc)

Environmental
    Temperature
    Humidity
	
	0° to 40 °C (32° to 104 °F)
	10% to 90% RH (noncondensing)

Enclosure	Mountable in a 1-gang UK (BS 4662) electrical box or 1-gang European (DIN 49073) electrical box; Requires a FP-INTENSE or FP-PURE style faceplate (both not included)

Dimensions
    Height
    Width
    Depth
	
	72 mm (2.8 in)
	72 mm (2.8 in)
	32 mm (1.24 in) including front face with buttons

Weight	80 g (3 oz)

Dimensions

Dimensions for the CLWI-KPLCN are shown in the following illustration.
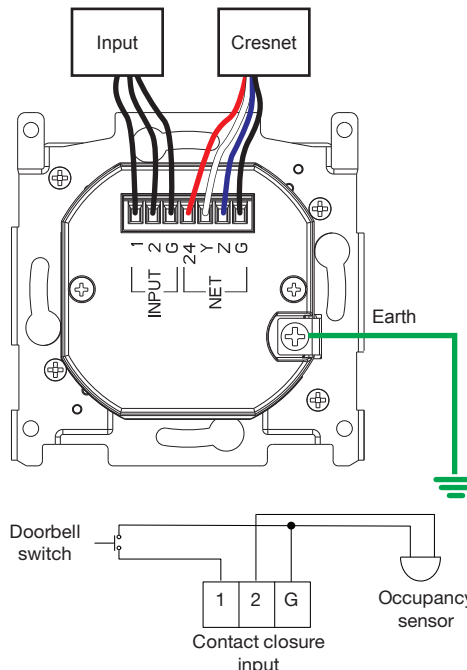

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR image.

Wiring

Make the Cresnet® network NET connection, and then make the optional INPUT connections to the contact closure(s). Use wire no larger than 1.5 mm² (16 AWG). For details, refer to the illustrations below.

NOTE: The G on the INPUT and NET ports are tied together electronically in the device.

NOTE: The contact closure input has the following rating:

- Digital Input: Rated for 0—24 Vdc, input impedance 200 kΩ, logic threshold 1.24 Vdc.
- Analog Input: Rated for 0—10 Vdc, protected to 24 Vdc maximum, input impedance 200 kΩ.
- Programmable 5 volts, 2 kΩ pull up resistor per pin.

Installation

The CLWI-KPLCN can be mounted in a single-gang or multigang electrical box.
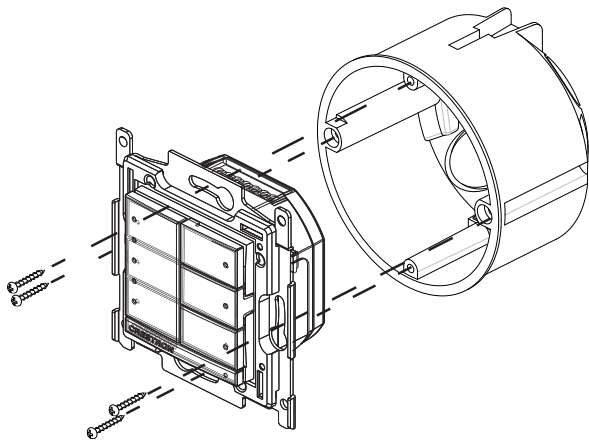
Single-Gang Installation

To install in a single-gang electrical box.

NOTE: Electrical box depth must be 35 mm (1.38 in) or deeper.

NOTE: Ensure that system power is off before installation.

1. Push the wires back into the electrical box and fasten the device to the electrical box with the provided screws.

   NOTE: Use care when placing the device in the electrical box. Pinched wires may cause a short circuit.

2. Attach the faceplate (not included).
3. Ensure that all buttons, including the program button, actuate without sticking.
4. Restore power to the system.

Multigang Installation

In multigang installations, several devices are grouped horizontally or vertically in one electrical box. When ganging vertically, the devices snap together by sliding the bottom of the upper device into the top of the lower device. This allows the devices to be mounted closer together.

For a smooth appearance, a one-piece multigang faceplate (not included) can be installed.

NOTE: The devices do not interlock when ganged horizontally.

NOTE: When installing into a multigang box, do not fully tighten the devices to the box until the faceplate has been aligned.

Button Functions

The CLWI-KPLCN button functions are based on the control systems program. Refer to the help file for details.

NOTE: Before using the CLWI-KPLCN, ensure the device is using the latest firmware. Check for the latest firmware for the CLWI-KPLCN at www.crestron.com/firmware. Load the firmware onto the device using Crestron Toolbox™ software.
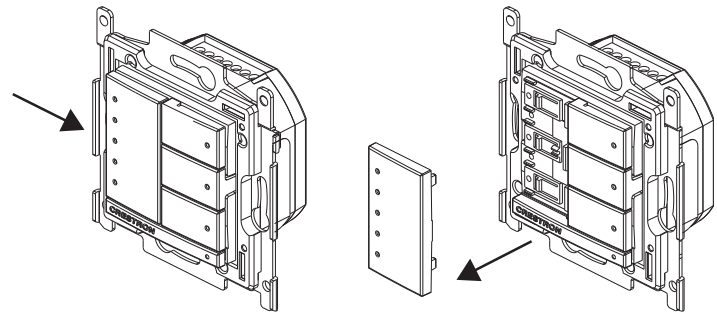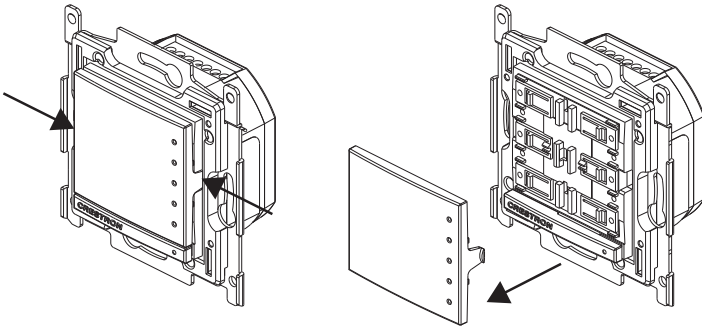
Change Button Assemblies

To change or replace the button assemblies.

1. Squeeze the sides of the button assembly near the center of the device.
2. While squeezing the sides of the button assembly, pull the button assembly off of the device.
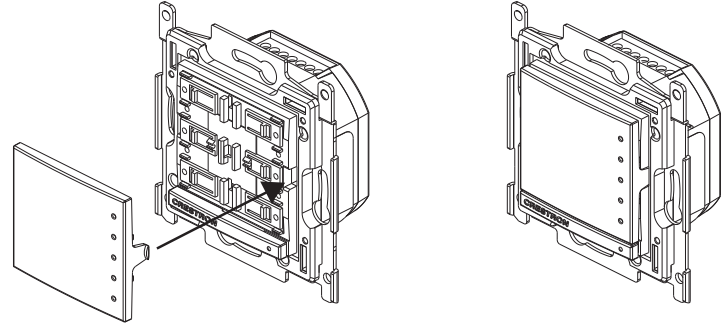
NOTE: When more than one button assembly is installed on a device, press on one side of the button assembly and carefully remove the button assembly. The second button assembly can be removed in the manner described in steps 1 and 2 above. Refer to the illustrations that follow.

Remove the Button Assembly

3. Press the new button assembly onto the device. It might be necessary to squeeze the sides of the button assembly to allow for easier button assembly installation.

Install the New Button Assembly

Troubleshooting

The following provides corrective actions for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative.

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The keypad does not function.	The wrong power supply is being used.	Use a Crestron power supply.
	The unit is not receiving power, or is not receiving sufficient power.	Verify that the cable plugged into the NET port is secure. Verify that the power supply is correct.
	There is a loose connection in the network.	Verify that the cable plugged into the NET port is secure.
The keypad does not function. All six feedback LEDs are dim.	An improper Net ID is used.	Verify that the CLWI-KPLCN Net ID matches the Net ID in the program.
	The control system power is off.	Reconnect power to the control system.
The keypad does not function, or does not function as expected. However, it reports to the control system with the proper Net ID.	The unit is not programmed correctly.	Use SIMPL Debugger to check the behavior when the buttons are pressed. Revise and reload the program as needed to correct the behavior.