

Control4[™] Lux Configurable Keypad Installation Guide

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ctrl4.co/lux-kc-ig

CONTROL4 LUX QUICK START



ctrl4.co/lux-qg

CONTROL4 LUX WIRING GUIDE



ctrl4.co/lux-wiring

Supported model

- C4-L-KC Control4 Lux Configurable Keypad

Introduction

The Control4® Lux Configurable Keypad operates as part of a Control4 home automation system. It installs in a standard wall box using typical wiring standards and communicates to the Control4 system using a wireless connection.

Box contents

- Control4 Lux Configurable Keypad
- Warranty card
- Temporary button(s) (2)
- Control4 Lux Configurable Keypad Installation Guide* (this document)

Mounting Plate Required for Install

The Control4 Lux Configurable Keypad **requires** a faceplate and mounting plate designed to fit your install (1 gang, 2 gang, etc.) and are required before you install the keypad. Part numbers for faceplates and mounting plates:

- Lux Faceplate and Mounting Plate, 1 gang (C4-L-FP1-XX)
- Lux Faceplate and Mounting Plate, 2 gang (C4-L-FP2-XX)
- Lux Faceplate and Mounting Plate, 3 gang (C4-L-FP3-XX)
- Lux Faceplate and Mounting Plate, 4 gang (C4-L-FP4-XX)

Specifications and supported load types

Model number	C4-L-KC	
Power requirements	120-240V AC ±10%, 50/60 Hz Neutral connection is required. See the <i>Sample Wiring Configurations</i> later in this guide. 36-48V DC (low voltage bus) For details, see: https://tech.control4.com/s/article/581	
Power consumption	All LEDs off	All LEDs on
At 120V AC	293mW	766mW
At 230V AC	830mW	1.32W
At 48V DC	144mW	864mW
Environmental		
Operational temperature	0 to 40 °C (32 to 104 °F)	
Humidity	5% to 95% non-condensing	
Storage	-20 to 70 °C (-4 to 158 °F)	
Miscellaneous		
Control communications	Zigbee, IEEE 802.15.4, 2.4 GHz, 15-channel spread spectrum radio	
Wallbox volume	5.75 in³ (94 cc)	
Weight	0.05 kg (0.12 lb.)	
Shipping weight	0.08 kg (0.18 lb.)	
Compatible color kits	C4-L-CKKC-XX or C4-L-CKUDIMSWITCH-XX	

Warnings and considerations

WARNING! Turn OFF electrical power before installing or servicing this product. Improper use or installation can cause **SERIOUS INJURY, DEATH** or **LOSS/DAMAGE OF PROPERTY**.

ATTENTION! Coupez l'alimentation électrique avant d'installer ou de réparer ce produit. Une mauvaise installation ou utilisation peut entraîner des blessures graves, décès ou perte / dommages à la propriété.

WARNING! This device must be protected by a circuit breaker (20A max).

ATTENTION! Cet appareil doit être protégé par un disjoncteur (20A max.)

WARNING! Ground this device in accordance with the National Electric Code (NEC) requirements. DO NOT rely solely upon the mounting bracket's contact with a metal wall box for adequate grounding. Use the mounting plate's ground wire to make a secure connection to the safety ground of the electrical system.

ATTENTION! Cet appareil doit être en conformité avec le Code national de l'électricité (NEC). Ne comptez pas uniquement au contact de la plaque avant avec un boîtier mural métallique pour la mise à la terre adéquate. Utilisez cet appareil à la terre de l'appareil pour établir une connexion sécurisée au système électrique.

IMPORTANT! This device must be installed by a licensed electrician in accordance with all national and local electrical codes.

IMPORTANT! If you are unsure about any part of these instructions, consult a qualified electrician.

IMPORTANT! Use this device only with copper or copper-clad wire. Do not use aluminum wiring. This product has not been approved for use with aluminum wiring.

IMPORTANT! Using this product in a manner other than outlined in this document voids your warranty. Further, Snap One is NOT liable for any damage incurred with the misuse of this product. See "Troubleshooting."

IMPORTANT! Do NOT use a power screwdriver to install this device. If you do, you may overtighten the screws and strip them. Also, overtightening the screws may interfere with proper button operation.

IMPORTANT! This is an electronic device with intricate components. Handle and install with care!

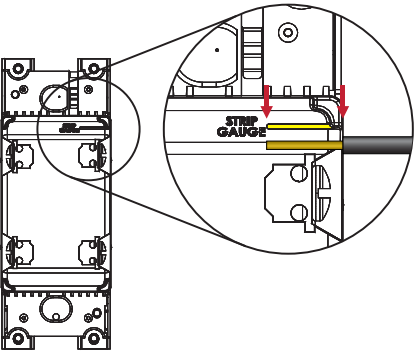
Installation instructions

1 Ensure that the location and intended use meet the following criteria:

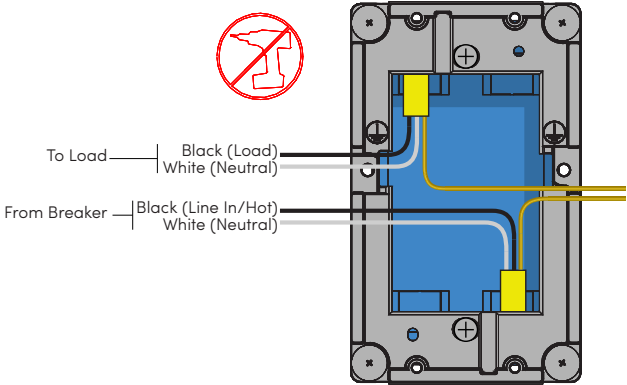
- The range and performance of the wireless control system is highly dependent on the following: (1) distance between devices; (2) layout of the home; (3) walls separating devices; and (4) electrical equipment located near devices.

2 Turn off the local electrical power by either switching off the circuit breaker or removing the fuse from the fuse box. To ensure the wires do NOT have power running to them, use an inductive voltage detector.

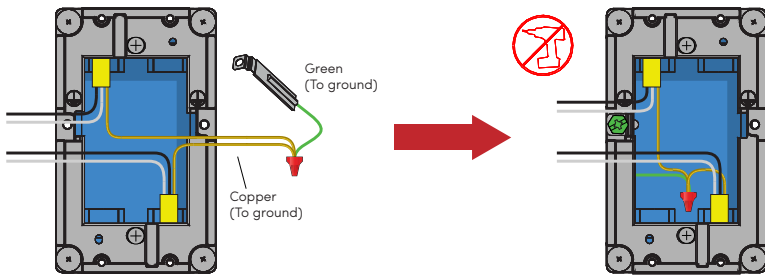
3 Prepare each wire. Wire insulation should be stripped back 1/2 of an inch (13 mm) from the wire end. You can use the strip gauge on the back of the keypad to check the proper distance.



- Identify your wiring application, and then see the appropriate wiring diagram in the *Sample Wiring Configurations* section below.
- Using a *manual screwdriver*, install the mounting plate to the wall box. Do not overtighten the screws. Pull the rest of the wires through the mounting plate.



- Connect the supplied ground wire lead to the ground wire in the wall box. Then, using the supplied hardware, fasten the ground wire lead to whichever side of the mounting plate that leaves the most space for the lighting device.

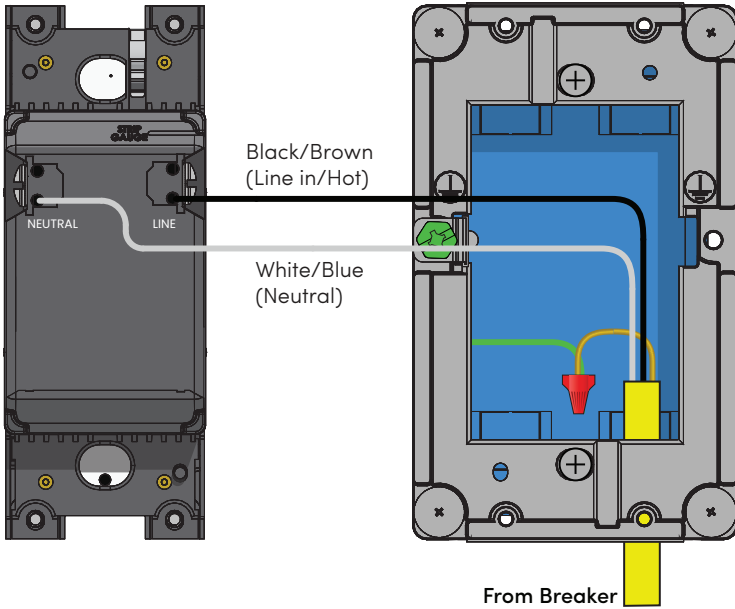


IMPORTANT! Grounding this device is required as described in the section *Warnings and Considerations*. DO NOT rely solely upon the mounting plate's contact with a metal wall box for adequate grounding.

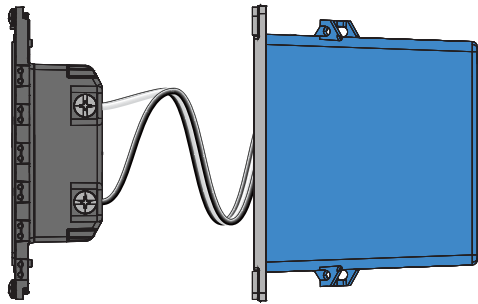
- Identify and connect the wires to the back of the keypad. Insert the wire into the terminal and secure it by hand-tightening the terminal screw to 15 in-lb (1.7 Nm) of torque.

NOTE: You must use the same size and type of wire in each terminal for proper connection.

Configurable Keypad

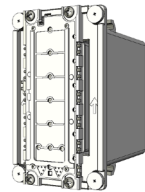


- Fit the wires back into the wall box. Bend the wires in a zigzag pattern so that they easily fold into the wall box.

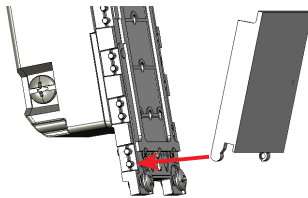


CAUTION: Install buttons after device is installed in the wall box. Pushing the device into the wall box with buttons installed may damage the device.

- Insert the device into the mounting plate and fasten it with screws. Overtightening can warp the device, causing mechanical malfunction and difficulty mounting the buttons and faceplate.

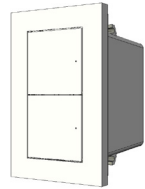


- Install the temporary buttons. Start at the bottom and work your way up. Each button slot on the device has a pair of pegs on each side. Align the button's lower tabs to the device's lower pegs. Then, snap the button onto the device.



TIP: This device ships with temporary buttons for basic operation until finished. Engraved buttons can be ordered. To remove the temporary buttons and install the engraved buttons, see the *Control4 Lux Button Installation Guide* (ctrl4.co/lux-butn-ig). Blank unengraved buttons are also available.

- Install the Control4 Faceplate following the instructions in the *Control4 Lux Faceplate Installation Guide* (ctrl4.co/lux-fp-ig).



- Turn on power at the circuit breaker or replace the fuse from the fuse box.



Operation and configuration

On initial power up, all status LEDs on the keypad will illuminate green indicating that the device has power. To set up this keypad for use with a Control4 system, refer to the *Composer Pro User Guide*.

Button tap sequences

The button tap sequences are defined in the table below. Button tap sequences that require a single button use the **top** button. For example, the factory reset sequence is **9 taps** on the **top**, then, **4** on the **bottom**, and then, **9** on the **top**.

Function	Button Sequence
Identify	4
Zigbee channel	7-4-7
Reboot	15
Factory reset	9-4-9
Leave mesh and reset	13-4-13

Troubleshooting

- If the status LEDs do not turn on:
- Ensure that the circuit breaker is not turned OFF or tripped.
 - Check for proper wiring (see *Sample Wiring Configurations*).

LED status information



Fault status	Zigbee status
× 8 Bootup power/wiring fault	Not identified
× 3 Self-test fault	Identifying
× 2 Manufacturing ID fault	Found Zigbee mesh
	Did not find Zigbee mesh
	Joined Zigbee mesh

Care and cleaning

- Do NOT paint the switch or its faceplate.
- Do NOT use any chemical cleaners to clean the switch.
- Clean surface of the switch with a soft damp cloth as needed.

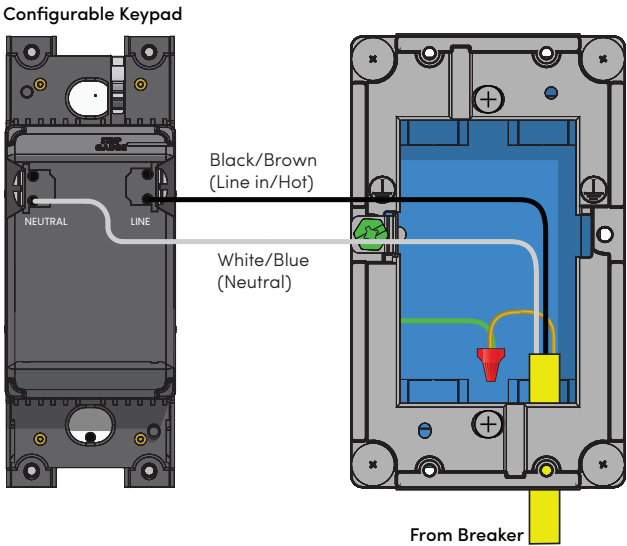
Warranty and legal information

Find details of the product’s Limited Warranty at snapone.com/legal or request a paper copy from Customer Service at 866.424.4489.

Find other legal resources, such as regulatory notices and patent information, at snapone.com/legal.

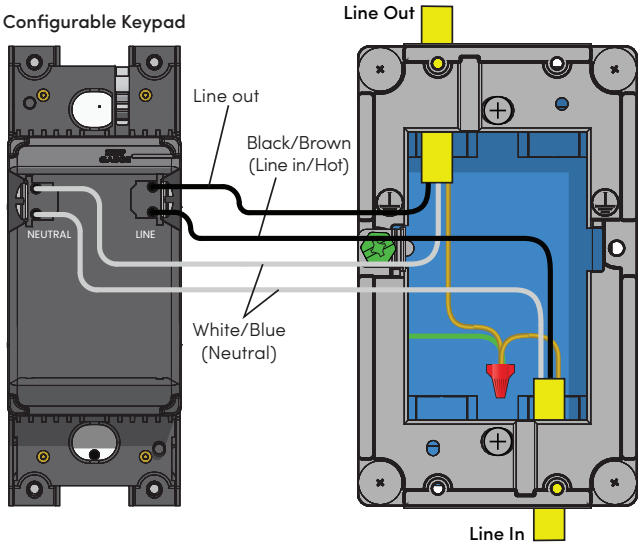
Sample wiring configurations

Single device location



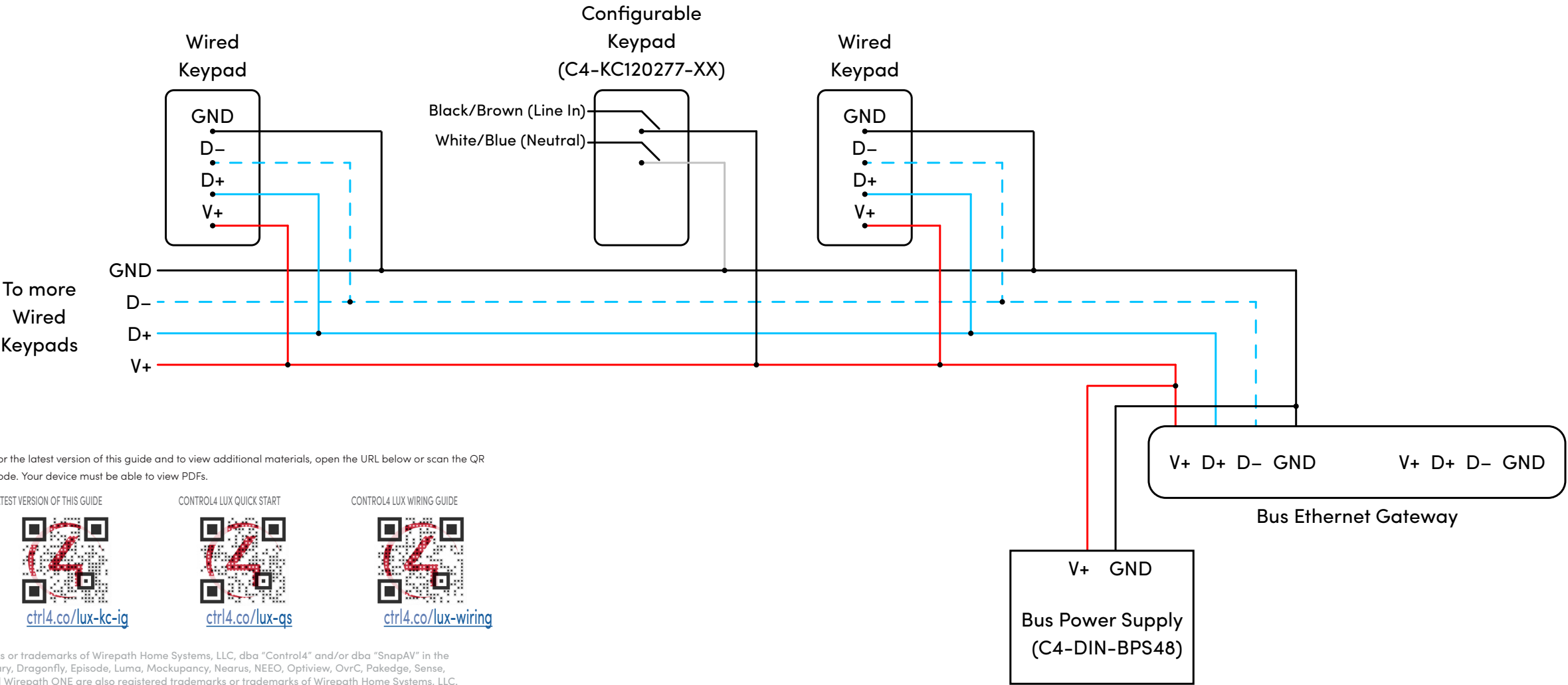
Continuing the Wiring

Conserve wall box space by omitting the wire nuts and use the keypad’s terminals to continue wiring to the rest of the circuit as shown below.



Low-voltage bus installation

This device may also be powered by a low-voltage wired keypad bus. Refer to the wiring diagram below. For details on bus wiring, visit: ctrl4.co/buswiring



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