



## Auxiliary Keypad Installation Guide

### Supported model

- C4-KA Auxiliary Keypad

### Introduction

The Control4® Auxiliary Keypad is intended for use in a Control4 system. It installs in a standard wallbox and connects and communicates with a compatible Control4 dimmer or switch using the traveler wire.

### Box contents

- Auxiliary Keypad
- Wire nuts
- Warranty card
- *Auxiliary Keypad Installation Guide* (this document)

### Compatible devices

The Auxiliary Keypad can connect to and control any of the following Control4 devices:

- C4-APD120 Adaptive Phase Dimmer
- C4-APD240 Adaptive Phase Dimmer
- C4-APD277 Adaptive Phase Dimmer
- C4-FPD120 Forward Phase Dimmer
- C4-KD120 Keypad Dimmer
- C4-KD240 Keypad Dimmer
- C4-KD277 Keypad Dimmer
- C4-SW120277 Switch
- C4-SW240 Switch
- C4-TV120277 0-10V Dimmer
- C4-TV240 0-10V Dimmer
- C4-4SF120 Fan Speed Controller

### Specifications

The specifications are described below.

Model number	C4-KA-xx
Power requirements	120/240/277 VAC +/-10% 50/60 Hz
<b>Environmental</b>	
Operational temperature	32°F - 104°F (0°C - 40°C)
Humidity	5% to 95% non-condensing
Storage	-4°F - 158°F (-20°C - 70°C)
<b>Miscellaneous</b>	
Wallbox volume	4.75 cubic inches
Weight	0.07 lb. (0.03 kg)
Shipping weight	0.12 lb. (0.05 kg)
Maximum number of supported devices	10

### 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 yoke plate's contact with a metal wallbox for adequate grounding. Use the device'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!** Install in accordance with all applicable national and local electrical codes.

**✓ IMPORTANT!** Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 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!

**✓ IMPORTANT!** Do not exceed a maximum cable length of 150 feet (45m) when the Yellow traveler wire is being run in parallel with the load, e.g., the wire is a 3 conductor (4 wire).

**✓ IMPORTANT!** When used in conjunction with a Control4 switch or dimmer, the wire connecting the Auxiliary Keypad to the switch or dimmer must not exceed 150 feet (45m) at 120VAC, and 100 feet (30 m) at 277VAC.

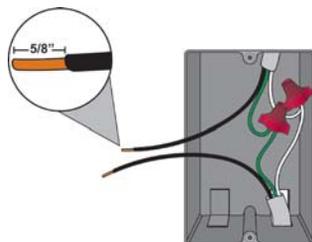
### Installation instructions

- 1 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.

**✎ NOTE:** For wiring diagrams, refer to the Control4 switch or dimmer installation guide. The wallbox wiring shown in this document is an example. Your wire colors and functions may differ. If you are not sure which wires are the Line In/Hot, Neutral, and Earth Ground wires, have a trained electrician do the installation.

- 2 Prepare each wire. Wire insulation should be stripped back 5/8 of an inch from the wire end (see Figure 1).

Figure 1. Strip wire insulation



- IMPORTANT!** Not grounding this product, as described in the “Warnings and Considerations” section, may result in an installation less immune to damage caused by electrical disturbances, such as ESD or lightning, and may void the warranty.

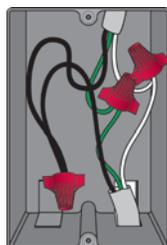
- 3 Identify and connect the keypad wires to the wallbox wires using the wire nuts as shown in “Sample Wiring Configurations” in the Installation Guide for the Control4 device that the Auxiliary Keypad is being connected to..

- IMPORTANT!** The yellow wire is not a traditional traveler. It cannot directly power a lighting load. It must be used only to connect to a compatible Control4 load control device.

- TIP:** If you are using a Control4 push-on (screwless) faceplate in a multi-gang installation, attach the black faceplate sub-plate to all of the devices that will be installed into the wallbox prior to attaching the devices to the wallbox. This will help ensure that all the devices are properly aligned and on the same plane after installation.

- 4 Fit the wires back into the wallbox. Bend the wires in a zigzag pattern so that they easily fold into the wallbox (Figure 2).

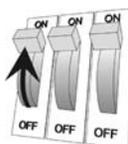
Figure 2. Bend the wires



- 5 Align the keypad to the wallbox (the model # label should be at the bottom) and fasten it with screws. Tighten the screws until the back side of the yoke plate is even with the wall surface, but no further. Overtightening can warp the configurable keypad and cause mechanical malfunction.

- 6 Install the Control4 Faceplate following the instructions in the *Faceplate Installation Guide* or attach a standard Decora-style faceplate.

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



## Operation and configuration

The Auxiliary Keypad acts as a slave device to the Control4 dimmer or switch to which it is connected.

- Click the **top** button to turn the load on. (When connected to a Fan Speed Controller, each click of the top button increases the fan speed by one.)
- Click the **bottom** button to turn the load off. (When connected to a Fan Speed Controller, each click of the bottom button decreases the fan speed by one.)
- When connected to a dimmer, press and hold the **top** button to ramp the load up. Release the button at the desired level.
- When connected to a dimmer, press and hold the bottom button to fade the load down. Release the button at the desired level.

## Troubleshooting

If the Auxiliary Keypad does not control the load that is connected to the associated dimmer, switch, or Fan Speed Controller:

- Ensure that the circuit breaker is not turned OFF or tripped.
- Check for proper wiring of both the Auxiliary Keypad and the associated dimmer or switch (see “Sample Wiring Configurations”). You may also need to contact a trained electrician.
- For help on the installation or operation of this product, email or call the Control4 Technical Support Center. Please provide your exact model number. Contact [support@control4.com](mailto:support@control4.com) or see the web site [www.control4.com](http://www.control4.com).

## Care and cleaning

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

## Regulatory/Safety information

To review Regulatory information for your particular Control4 products, see the information located on the Control4 website at: <http://www.control4.com/regulatory/>.

## Patent information

Applicable patents are available at <http://www.control4.com/legal/patents>.

## Warranty

For complete warranty information, including details on consumer legal rights as well as warranty exclusions, review the Warranty card or visit: [www.control4.com/warranty](http://www.control4.com/warranty).