



Configurable Decora® Wired Keypad Installation Guide

Supported Model

- C4-KCB-XX Decora® Wired Configurable Keypad

Introduction

The Control4® Configurable Decora Wired Keypad is intended for use in a Control4 system. It installs in a standard US wallbox. Communication to the Control4 system is via RS-485 protocol and wiring. For RS-485 wiring topologies, refer to the document *Keypad Bus Wiring Guide*.

Box Contents

- Configurable Decora® Wired Keypad
- Keycap Button Kit
- Pluggable Terminal Block
- Warranty Card

Specifications

Model Number	C4-KCB-XX
Power Requirements	48VDC
Power Consumption	Maximum 48VDC 1.2W Minimum 48VDC 0.7W
Environmental	
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)
Miscellaneous	
Control Communications	RS-485
Weight	0.1 lb. (0.045 kg)
Shipping Weight	0.3 lb. (0.14 kg)

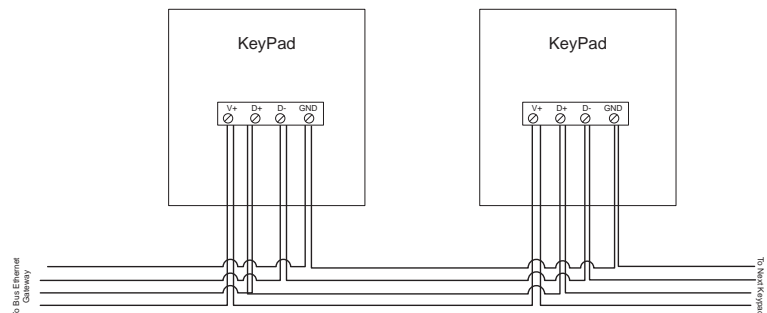
Warnings and Considerations

- 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!
- CAUTION!** Do not exceed the number of keypads per power supply as indicated in the *Keypad Bus Wiring Guide*. Exceeding the maximum number of keypads will result in overheating the wires and/or failed devices.

Installation Instructions

- CAUTION!** When wiring the keypad, make sure that either:
 - The Bus Power Supply is **not** powered on.
 - OR -
 - The pluggable connector is disconnected from the Bus Power Supply.
- Prepare the cable for termination by stripping the outer sheath and individual wires, and then wire into the pluggable terminal block.
 - Wire the keypads as shown below.

Figure 1. Keypad Wiring



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

- Fit the wires back into the wallbox.
 - Align the keypad to the wallbox (the model number label should be at the bottom), then fasten it with the included screws.
- IMPORTANT!** Tighten the screws until the back side of the yoke plate is even with the wall surface, but no further. Overtightening can warp the keypad and cause it to malfunction.
- Install the top actuator bar, bottom sensor bar, and buttons following the instructions in the *Keypad Buttons Installation Guide*.
 - Install the Control4 faceplate following the instructions in the *Faceplate Installation Guide* or attach a standard decora-style or square faceplate.
 - Ensure that the Bus Power Supply is installed correctly and powered on. For instructions, see the *Bus Power Supply, 48V Installation Guide*.

Wiring Diagrams

For bus wiring details, refer to the *Keypad Bus Wiring Guide*.

Operation and Configuration

On initial power up, all status LEDs on the keypad will illuminate green, indicating that the device has power. Until the keypad has been configured into a Control4 system, it will not control any loads. 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 (1) button should use the top-most button installed on the keypad. Button tap sequences requiring two (2) buttons should use the top-most and bottom-most (or bottom-left) buttons installed on the keypad.

Function	Button Sequence
Identify	4
Reboot	15
Factory Reset	9-4-9
Unidentify	13-4-13

Troubleshooting

If the LEDs do not light up indicating that the keypad is receiving power::

- Ensure that the Bus Power Supply is powered on.
- Ensure that the Bus Ethernet Gateway is powered on and connected.
- Check for proper wiring (see "Installation Instructions" above).
- For help on the installation or operation of this product, email or call the Control4 Technical Support Center. Provide your exact model number. Contact support@control4.com or see the website 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.

About this Document

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