



KP7 – Keypad Quick Install Guide

English

Thank you for including the KP7, 7 button keypad, as part of the user interface strategy for your customer. The KP7 has been designed to provide years of trouble free operation when wired and installed properly. The KP7 has been designed for installation in low humidity environments and should never be installed outdoors or in high humidity areas.

Included in the box

- 1ea KP7 keypad
- 10ea Alternate key caps
- 2ea Mounting screws
- 1ea Quick Install Guide (this document)

Introduction

To install the KP7 you will need a standard 1 gang box rated for 20 cu. in. or more.

Specifications

| | |
|---------------------------|---|
| Dimensions | 4.12" x 1.75" x 1.24" 104.65 mm x 44.45 mm x 31.5 mm |
| Buttons | 5 individually capped 2 shared for rocker capping |
| LED | 5 individually controlled white 2 shared control white |
| Network | 10/100/1000 |
| Connections | LAN/PoE RJ-45 |
| Power Requirements | PoE IEEE 802.3at, 13 W maximum draw (@48V $\overline{=}$ / 270 mA max.) |

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

FCC and IC Information:

This Class B digital apparatus complies with Part 15 of the FCC rules and with Canadian ICES-003. Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

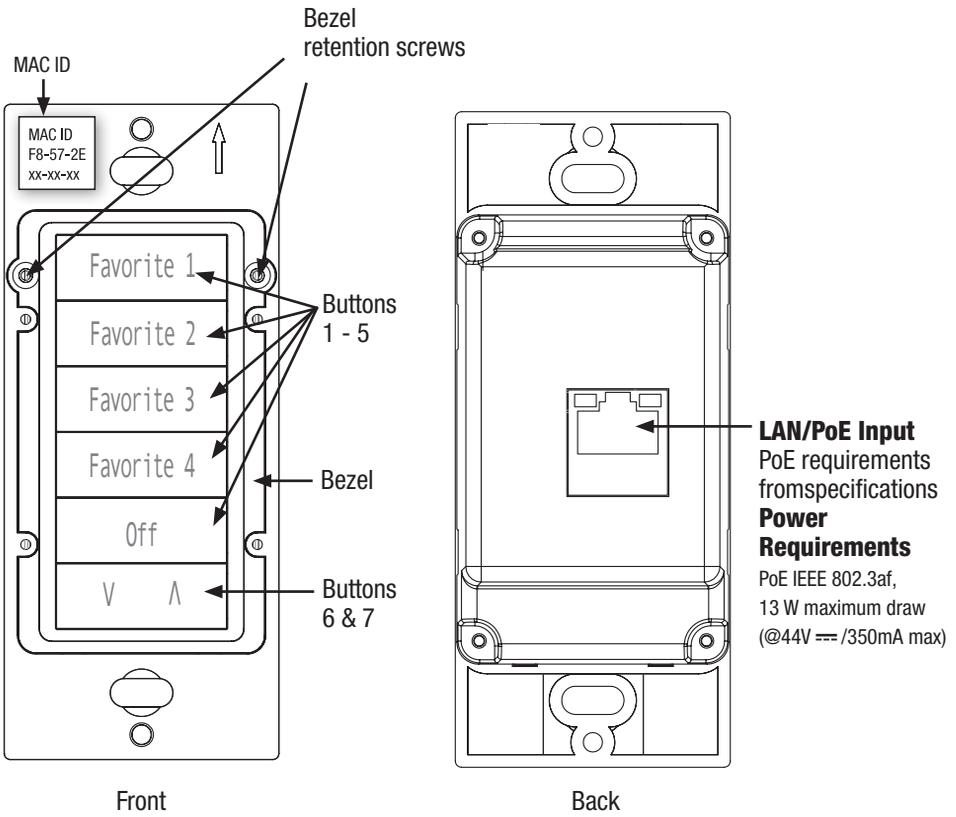
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

KP7 – Overview



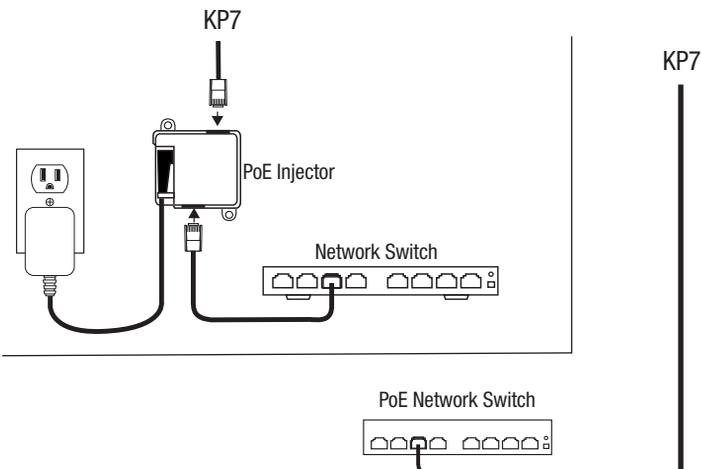
Planning the installation

1

The KP7 mounts in a 1 gang (US) box. It is suggested that it be placed near light switches to reduce wall clutter. The KP7 trims with a standard decorator-style opening wall plate (not included).

The KP7 requires a mounting depth of at least 1 3/4" (4.5cm) and it is recommended that a 20cu in or larger switch box or a 1 gang low voltage bracket be used. The KP7 will gang with other low voltage devices utilizing a standard decorator-style trim plate.

The KP7 requires connection to a PoE, Power over Ethernet, switch or to an Ethernet cable connected to a PoE injector. The KP7 cannot be locally powered.

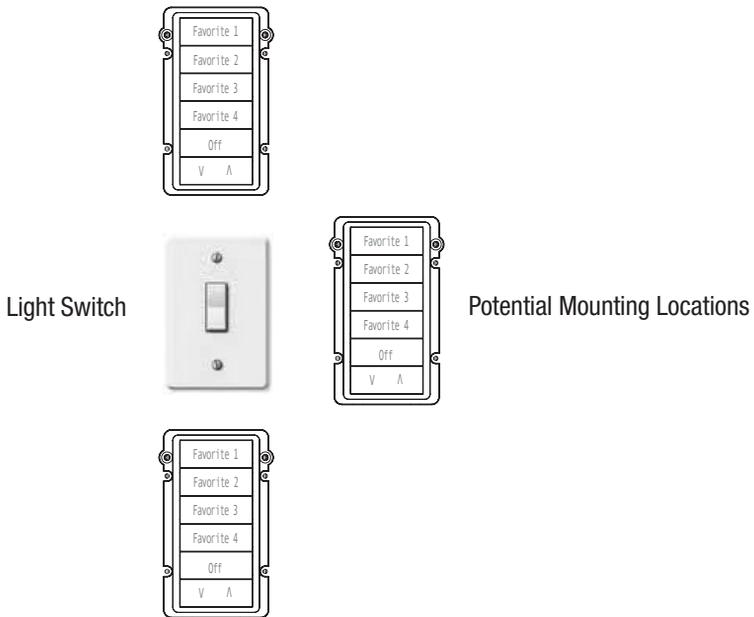


Installing the KP7

2

Mounting Location

The KP7 should be located high enough that your customer will be able to read the buttons. Generally mounting next to, above, or below a light switch is appropriate.



Mounting Box

The KP7 was designed to fit comfortably in a Carlon 70998 (new construction) or B120R (old work) 20 cu in junction box or virtually any low voltage bracket. If you plan to use a different brand box please verify that the KP7 will fit without issue.



20 cu. in. New Const. Junction Box



20 cu. in. Old Work Junction box



Old Work L.V. Bracket



New Const. L.V. Bracket

3

Changing buttons and changing color

The KP7 may accommodate changes to the buttons or to the overall color. The steps for both are very similar.

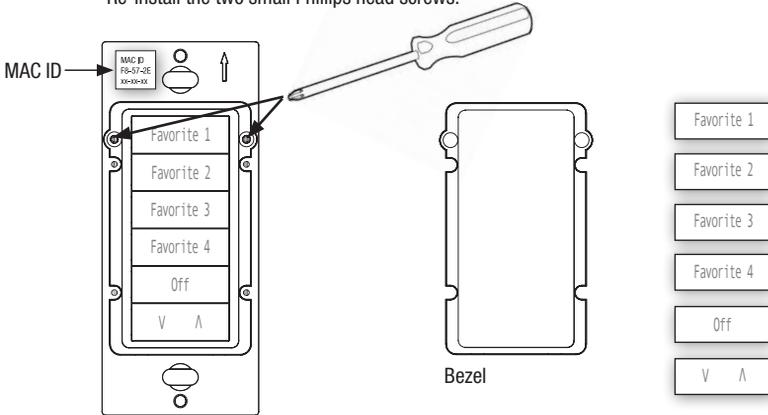
Button changes – White pre-engraved buttons are included for some installations. A total of 16 buttons are included with the unit.

Color Changes - **Light Almond** (KP7BK-LA) and **Black** (KP7BK-B) color change kits are available (sold separately).

Custom buttons in all three colors are available. See your Rep or Distributor for details.

To change buttons or colors:

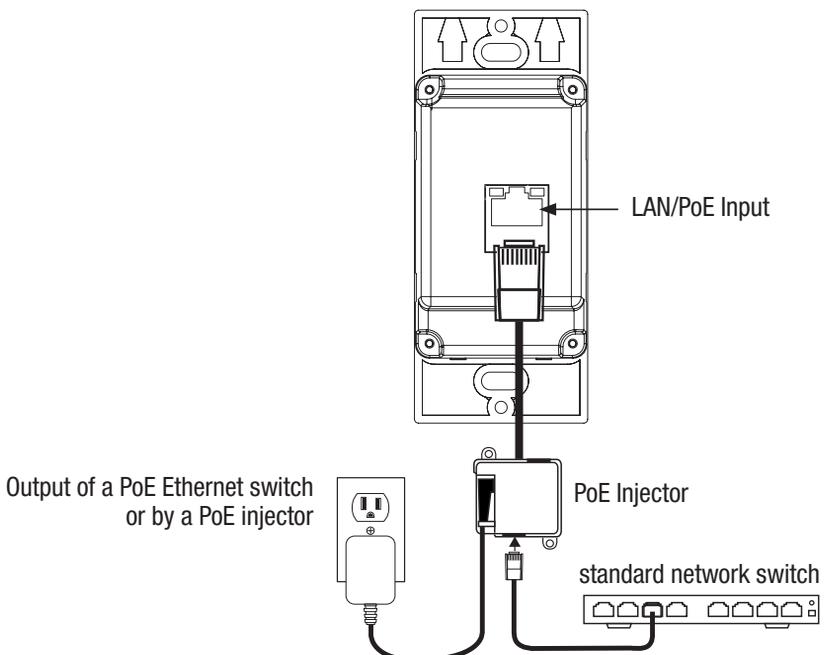
Remove the two small Phillips head screws holding the bezel in place and remove the bezel. Replace buttons and bezel as necessary based on your installation programmed requirements. Re-install the two small Phillips head screws.



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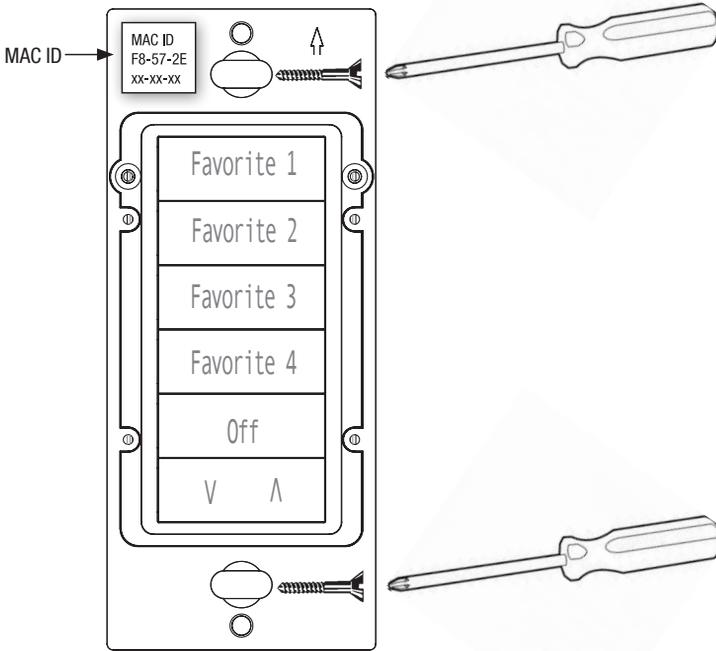
Connecting the KP7

The KP7 is powered by the output of a PoE Ethernet switch or by a PoE injector. The KP7 cannot be directly powered by a power supply. If you have terminated the CAT-5 wiring be sure to continuity test the wire before connecting the KP7. Insert the RJ-45 connector into the receptacle on the rear of the KP 7 and listen for the tab to click. Give the wire a light tug to verify the connector is secure.



5 Mounting the KP7

Being careful not to pinch the CAT5 wire, slide the KP7 into the box and secure with the included screws. The KP7 fits a standard decorator-style opening and is gangable with other low voltage decorator-style devices. Note the MAC ID of the KP7 on your System Worksheet to assist with programming completion.



6 Connecting the KP7 to your controller

The backlights on the KP7 will flash when the device is powered up but not connected to a controller. Once the KP7 is connected to a controller, the controller will assign default or programmed LED levels. Refer to the training documentation for your controller on how to program the KP7.

