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# GEMC-FK1 KEYPAD INSTALLATION INSTRUCTIONS

WI1649A 11/11

## DESCRIPTION

The GEMINI 4 wire bus GEMC-FK1 keypad is compatible with the NAPCO GEMINI C-Series Control panels. See Installation instructions (WI1653) for more information.

**Note:** Do not install classic Gemini "RP" series keypads or Gemini "K Series" keypads within a Gemini C-Series system.

## ELECTRICAL RATINGS

**Input Power:** 12VDC nominal, 115mA maximum, 35mA if backlighting is disabled (cut jumpers W1, W2 & W3).

**Maximum Number of Fire Keypads:** 7

**Maximum Number of Fire Keypads + Burglary Keypads:** 15

## POWER RATINGS

GEMC-FK1 is powered by the Fire bus of the GEMC-Series motherboard, GEMC-12V2APS or an appropriately rated UL Listed power limited power supply suitable for Fire alarm service. Deduct these values from the system standby current, as described in the control panel wiring diagram.

## MOUNTING THE KEYPAD

To open the case, insert a screwdriver into either slot at the bottom and push up with a slight twisting motion to release the retainer tab. Repeat for the other slot. Pull out at the bottom and lift off the two hooks at the top.

The keypad features a handy pull-up reference label. Before mounting the keypad onto the wall, push the Sliding Label Plate (with label and felt backing affixed and handle facing forward) down the guides at the rear of the keypad until it snaps into place. Once installed, the Sliding Label Plate cannot be removed without first removing the keypad from the wall.

If installing onto a double-gang box, insert mounting screws through the two vertical elongated holes on the left side of the case and into the box. If the box is visible when viewed from the front, adjust the keypad vertically and tighten the screws. Then, using hardware suitable for the mounting surface, add one or two screws at the right side of the keypad case directly into the wall to ensure a secure installation. **Note:** Do not over tighten the screws! Uneven walls may cause the keypad case to distort.

**Note:** INDOOR / DRY LOCATION USE ONLY

## WIRING

Connect the keypad wires to the control panel terminals shown in the table below.

COLOR	PANEL TERMINAL	COMMENTS
RED	18	
BLACK	19	
GREEN	20	
ORANGE		Momentary keyswitch
BLUE		Maintained keyswitch
GRAY (3)		Keyswitch (common)
YELLOW	21	
VIOLET*	13 (+)	Primary interface Trouble sounder
WHITE*	14 (-)	

\* Cut and insulate wire if not used in Supplemental keypads (required for primary user interface).

## KEYPAD ADDRESS AND OPTION JUMPERS:

See product label.

## KEYPAD AS PRIMARY USER INTERFACE

For primary user interface, mount frameable label OI343 adjacent to keypad.

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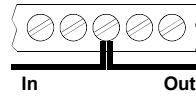
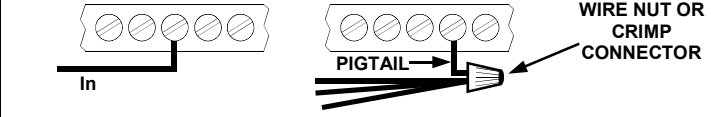
NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.


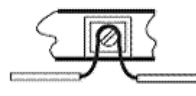
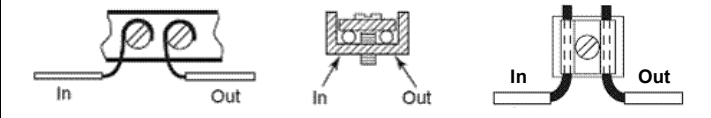
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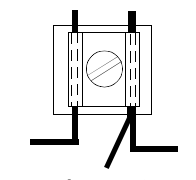
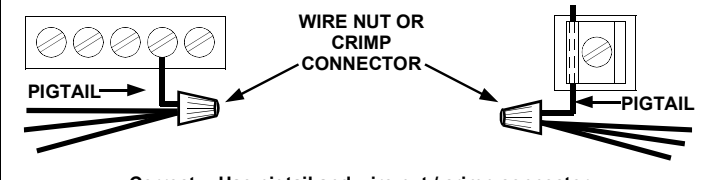
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## IMPORTANT WIRING METHODS

 <p><b>For single-conductor terminal blocks</b> (like the type shown at left), to terminate more than one conductor to a terminal, use the wiring methods shown at right:</p>	 <p>Incorrect</p>	 <p>Correct -- Single incoming and/or pigtail with wire nut / crimp connectors</p>
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 <p><b>For "barrier" type terminal blocks</b> (like the type shown at left), to terminate two conductors to a terminal, use the wiring methods shown at right:</p>	 <p>Incorrect</p>	 <p>Correct -- Separate incoming and outgoing conductors</p>
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<p><b>To terminate more than two conductors</b> or conductors of different wire sizes to a terminal, use the "pigtail" type wiring method as shown at right. Use insulated wire for the pigtail, and firmly secure the conductors to the pigtail using an appropriate wire nut or crimp connector for the number and gauge of conductors used.</p>	 <p>Incorrect</p>	 <p>Correct -- Use pigtail and wire nut / crimp connector</p>
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