



333 Bayview Avenue  
Amityville, New York 11701  
For Sales and Repairs, (800) 645-9445  
For Technical Service, (800) 645-9440  
Publicly traded on NASDAQ Symbol: NSSC

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# GEMC-FK1 KEYPAD INSTALLATION INSTRUCTIONS

WI1649 08/10

## 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	TERMINAL	COMMENTS
RED	18	
BLACK	19	
GREEN	20	
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.

# NAPCO LIMITED WARRANTY

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This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

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NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

**Warning:** Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

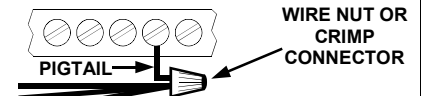
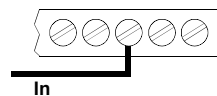
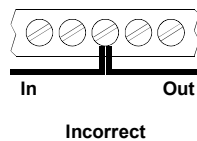
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## IMPORTANT WIRING METHODS



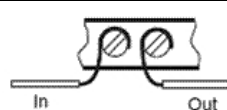
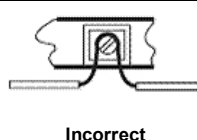
For single-conductor terminal blocks (like the type shown at left), to terminate more than one conductor to a terminal, use the wiring methods shown at right:



Correct -- Single incoming and/or pigtail with wire nut / crimp connectors

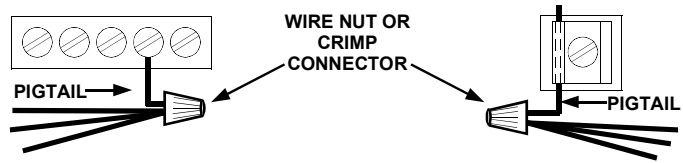
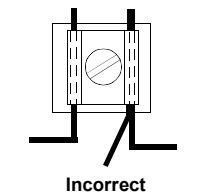


For "barrier" type terminal blocks (like the type shown at left), to terminate two conductors to a terminal, use the wiring methods shown at right:



Correct -- Separate incoming and outgoing conductors

To terminate more than two conductors 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.



Correct -- Use pigtail and wire nut / crimp connector