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INSTALLATION INSTRUCTIONS FOR 4 WIRE BUS KEYPADS

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WI1610.bLF 3/24

DESCRIPTION

The GEMINI 4 wire bus keypads are compatible with the NAPCO Gemini Series GEM-P816, GEM-P1632, GEM-P1664, GEM-P3200, GEM-X255, GEM-P9600 and the NAPCO Freedom F-64 control panels. **Note:** Do not mix classic "RP" series keypads with "K Series" keypads within one system.

PGM ELECTRICAL RATINGS

See product label.

PGM: Maximum 5mA, +12V nominal.

INSTALLING THE KEYPAD

A keypad should be mounted near each exit/entry door. In Residential Fire Installations, Home Run all keypads. 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.

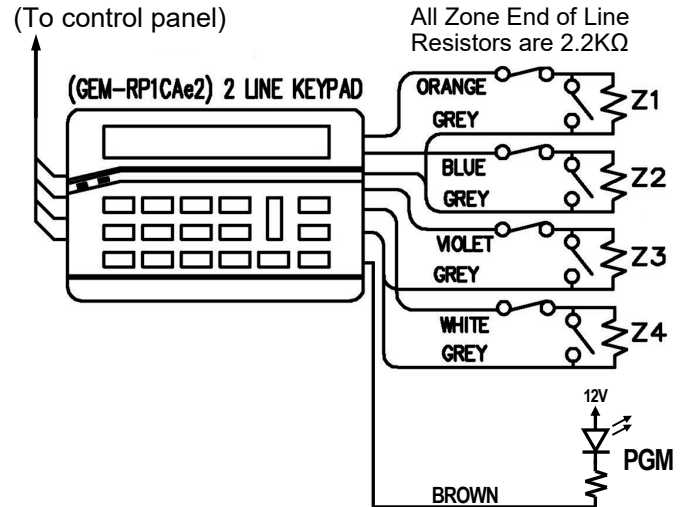
Affix the label and felt to the clear slide plate label and slide it into the guides on the rear of the keypad with the handle facing forward. Once installed, the Sliding Label Plate cannot be removed without removing the keypad from the wall. **Note:** The keypad fire and panic keys should not be considered a substitute for a listed manual initiating device, such as a pull box. 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. **Note: Do not over tighten the screws!** Uneven walls may cause the keypad case to distort.

WIRING FOR GEM-RP1CAE2 & GEM-K1CA SERIES KEYPADS

Connect the keypad wires to the control panel terminals as shown below.

WIRING FOR GEM-RP1CAE2 AND GEM-K1CA	
COLOR	TERMINAL
RED (12V PWR)	9
BLACK (PWR GND)	10
GREEN (KEYPAD RX)	11
YELLOW (KEYPAD TX)	12
BROWN (PGM OUTPUT)	Maximum 5mA, +12V Nominal
GRAY (ALARM COMMON)	--
ORANGE	ZONE 1
BLUE	ZONE 2
GRAY	ZONE COM 1
VIOLET	ZONE 3
WHITE	ZONE 4
GRAY	ZONE COM 2

REMOTE BUS



OPTION JUMPERS

GEM-RP1CAE2 & GEM-K1CA SERIES KEYPADS

See product label and accompanying image. Option jumpers for the **GEM-RP1CAe2** and **GEM-K1CA** keypads:

- **JP1:** Cut to enable keypad tamper.
- **W2:** Cut to disable LCD backlighting.
- **W1+W3:** Cut both jumpers to disable touchpad backlighting.

WIRING FOR GEM-K2AS, GEM-RP2ASE2 & GEM-DK3DGTL SERIES KEYPADS

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

WIRING FOR GEM-K2AS, GEM-RP2ASE2 AND GEM-DK3DGTL KEYPADS	
COLOR	TERMINAL
RED (12V PWR)	9
BLACK (PWR GND)	10
GREEN (KEYPAD RX)	11
YELLOW (KEYPAD TX)	12
WHITE*	N/O PANIC
WHITE*	N/O PANIC

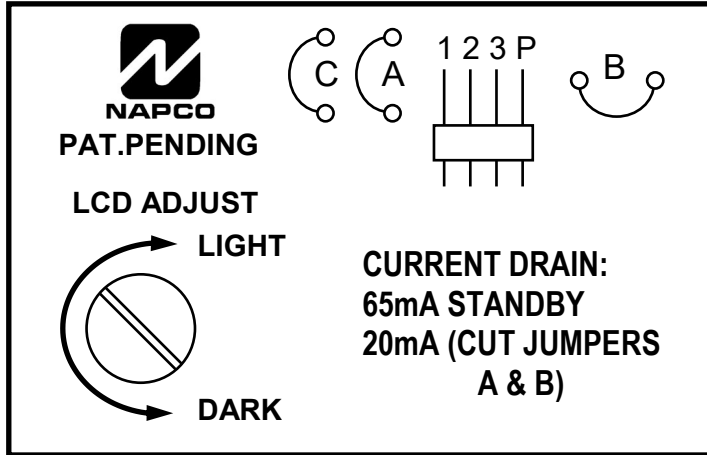
* Cut and insulate 2 white wires if not used.

OPTION JUMPERS

GEM-K2AS, GEM-RP2ASE2 & GEM-DK3DGTL

See product label and accompanying image. Option jumpers for the **GEM-K2AS**, **GEM-RP2ASE2** and **GEM-DK3DGTL** keypads:

- **A:** Cut to disable touchpad backlighting.
- **B:** Cut to disable LCD backlighting.
- **C:** Cut to disable sounder.



KEYPAD NUMBER	ADDRESS JUMPER			
	1	2	3	PARK
1	OFF OR ON	OFF	OFF	MAY BE USED TO HOLD SPARE JUMPER
2	OFF	ON	OFF	
3	ON	ON	OFF	
4	OFF	OFF	ON	
5	ON	OFF	ON	
6	OFF	ON	ON	
7	ON	ON	ON	

FOR KEYPADS WITHOUT OPTION JUMPERS

If your keypad does not have jumpers:

At the keypad, press **1 1 1 2 3, FUNCTION** or **MENU** and the text **Keypad Beep On** appears. Press **FUNCTION** or **MENU** until the words **Keypad Address** appear. Enter the keypad address you wish to program, then press **ON** or **ENTER** to save. **Note:** You will not see the address change until you press **ON** or **ENTER** to save.

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NAPCO SECURITY TECHNOLOGIES, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *thirty-six months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

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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ALTERNATE RESISTOR TYPE

The "red-red-red-red" banded EOL 2.2K (2%) resistor type...



...may be used as an alternate to the "red-red-red-gold" banded EOL 2.2K (5%) resistor type.



BACKLIGHT BRIGHTNESS

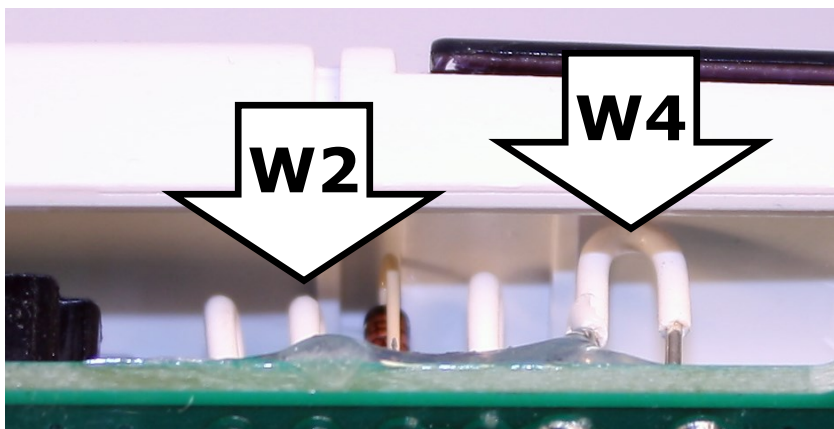
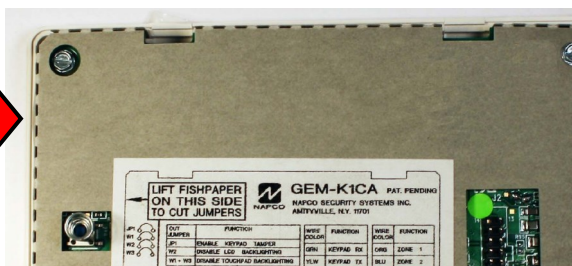
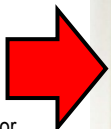
Remove back:

Unplug keypad.
Carefully insert
screwdriver,
push in retaining
tabs



Lift fishpaper here

Note: Do not remove or
tear fish paper. Return
to original position when
last step completed



Normal Operation: (W2 and W4 not cut) LCD display always fully bright. Keys normally dim until pressed, then fully bright for 30 seconds, then back to dim.

Cut W4 Only: Operates as normal (above) except LCD Display stays at 50% dimmed at all times.

Cut W2 Only: LCD display and keys normally dim. Upon keypress both LCD display and keys fully bright for 30 seconds, then both back to dim.

Cut Both W2 and W4: LCD display and keys normally dim. Upon keypress keys fully bright, LCD display 50% brightness for 30 seconds, then both back to dim.

Important: Cut and isolate the loop ends to prevent accidental shorts. When finished, re-install plug. **Install rear housing:** Place the front housing on the two top hooks and press the bottom to engage the retainer tabs. **Note:** These features are only available with GEM-RP1CAe2 triangle #17 or greater, and GEM-K1CAe2 triangle #9 or greater.

NOTICE

Reset / Silence now requires User Code entry

Please be advised that due to UL 985 requirements, the entry of a User Code is now required to reset/silence fire alarms or system troubles, as described in the User Guide.