



333 Bayview Avenue, Amityville, New York 11701
For Sales and Repairs, (800) 645-9445
For Technical Service, (800) 645-9440 or visit us at
Tech.NapcoSecurity.com
(Note: Technical Service is for security professionals only)
Publicly traded on NASDAQ Symbol: NSSC

© NAPCO 2021

GEM-TOUCH Keypad

Installation Instructions

WI2479CLF 12/21

Important Note: The GEM-TOUCH keypads cannot be used for control panel programming.

DESCRIPTION

The GEMINI GEM-TOUCH keypad is compatible with the NAPCO Gemini Series GEM-P816, GEM-P1632, GEM-P1664, GEM-P3200, GEM-X255 and GEM-P9600. **Note:** For systems with multiple keypads, all keypads must be all "classic" (GEM-RP prefix) or all "K Series" (GEM-K prefix). Keypad types cannot be mixed.

SPECIFICATIONS

See product label.

Boot Current: 249mA peak

Nominal Operating Current: 148mA peak

Current During USB Update: 198mA peak

PGM: Maximum 5mA, +12V nominal.

Environmental: 32°F to 122°F (0°C to 50°C)

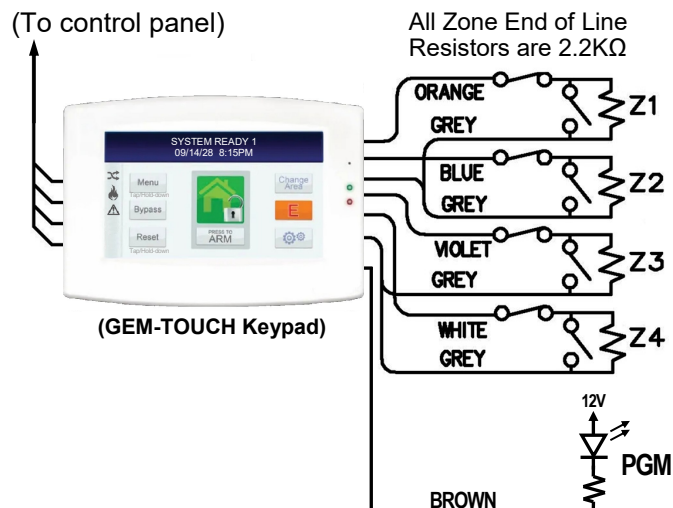
INSTALLING THE KEYPAD

Requires power from the control panel bus (observe current limitations) or an un-switched separate power supply (panel ground must be common with power supply ground). Select a location that allows the power wires to be hidden within the mounting surface. Requires a battery backup power source to avoid troubles if power is interrupted. Mount a keypad near each exit/entry door (indoors locations only). In Residential Fire Installations, Home Run all keypads. **Note:** The keypad fire and panic buttons are not a substitute for a listed manual initiating device (such as a pull box).

Do not power the keypad during the mounting process. Detach the rear case by pressing the two push-tabs at the bottom, then unhook and detach.

For new installations: Use the rear case as a template to mark the mounting holes (always use a level to ensure horizontal mounting). Mark the center hole for the power wire, then use a 1/2" drill bit to drill the center hole. Snake the power wire inside the wall and out through the drilled center hole. If mounting to hollow drywall or similar surface, we recommend using wall anchors or similar hardware appropriate for the installation. Firmly connect the power wire connectors and then

REMOTE BUS



push the wire back into the drilled wall center hole until the rear case is flat against the wall surface. Insert screws through the rear case mounting holes and secure.

If replacing an existing Gemini keypad: Use the Wall Plate Adapter instructions on page 2. Use the existing 4-wire or 14-pin harness.

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 mounting screws! An uneven surface may cause the keypad case to distort.

Assemble the keypad by placing the top edge of the keypad front case over the two hooks at the top of the rear case. Push the bottom of the keypad until it snaps together.

OPTION JUMPER

Cut wire loop W1 to enable S1 tamper switch.

Cut W1 to enable S1 tamper switch

LA3718

14 pin HARNESS

WIRE COLOR	FUNCTION	WIRE COLOR	FUNCTION
GRN	KEYPAD RX	ORG	ZONE 1
YLW	KEYPAD TX	BLU	ZONE 2
RED	12V PWR	GRY	ZONE COM
BLK	PWR GND	VLT	ZONE 3
BRN	PGM OUTPUT	WHT	ZONE 4
GRY	ZONE COM	GRY	ZONE COM

NOTE: DISCONNECT POWER SOURCE BEFORE WIRING TO TERMINALS

4-wire TERMINAL 1 2 3 4

1. +12Vdc
2. GND
3. GREEN
4. YELLOW

Use 4-wire or HARNESS Not both

GEM-TOUCH
NAPCO SECURITY SYSTEMS INC.
AMITYVILLE, N.Y. 11701
NAPCO

See WI2479LF at <https://tech.napcosecurity.com>

CONFIGURING THE GEM-TOUCH

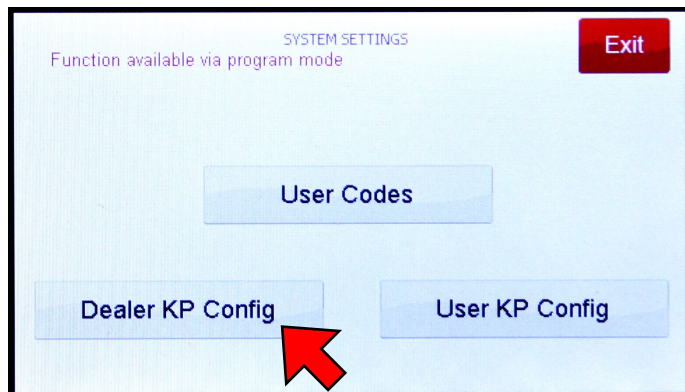
A total of up to 15 GEM-TOUCH keypads may be connected to the control panel. Each GEM-TOUCH keypad can be configured for its keypad address, EZM address and zone response.

Enter System Settings

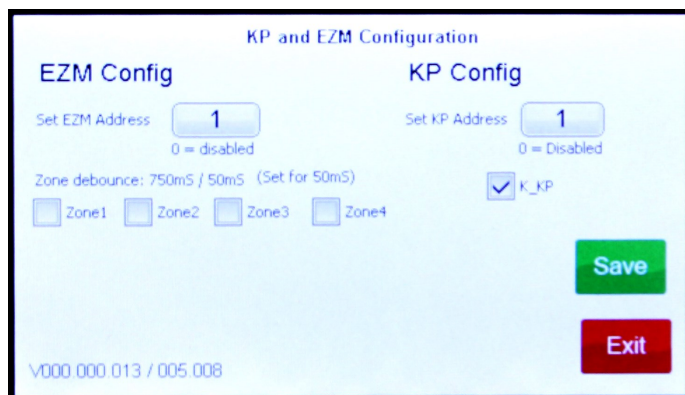
1. At the keypad Home screen, tap the **System Settings** ("gears") icon (shown at right).
2. Using the number buttons that appear, enter the Keypad Configuration Code (**1 1 1 2 3**), followed by **Enter**.



3. In the **System Settings** screen, tap **Dealer KP Config**:



The following screen appears:



EZM Config

The keypad's internal EZM (Expansion Zone Module) may be utilized to provide four additional wired zones. Whether used alone or in conjunction with optional GEM-EZM series modules or other keypad EZMs, it must be assigned a unique address (or Group number, see the control panel Programming Instructions) similar to its keypad address. If no other EZMs are to be used, set "0" (disabled) for **Set EZM Address**. In multiple-EZM systems, enter an assigned group number "1" through "22". (Each EZM must have a unique assigned group number, starting with "1" and proceeding consecutively). Tap **Save** to continue or tap **Exit** to return to the previous screen without saving your changes.

Zone Response

The normal loop response of each keypad expansion zone is 750mS, however the response time of any zone can be reduced to 50mS by simply adding a check to the checkbox for the selected 50mS zone (tap to add a check).

When finished, tap **Save** to continue or tap **Exit** to return to the previous screen without saving your changes.

Keypad Config (Keypad Address)

If more than one keypad is installed, each must be assigned a unique keypad address (that is, no two keypads may be numbered alike). **Note:** From the factory, the GEM-TOUCH keypad is addressed as "00", not "01" like our other Gemini GEM-RP1 or GEM-K1 keypads. In addition, please note:

- Keypads must be numbered consecutively (missing numbers are not permitted)
- Only Keypad No. 1 may be used for User programming.

To assign the keypad number, proceed as follows:

1. Tap the **Set KP Address** number button.
2. Using the number buttons that appear, enter the Keypad number (**1-7**), followed by **Enter**.
 - Ensure that the new number selected appears on the **Set KP Address** button. A valid number will be acknowledged by a short beep; an invalid number will be rejected by a long beep.
3. Tap **Save** to continue or tap **Exit** to return to the previous screen without saving your changes.

Keypad Model Type

Use the **K_KP** checkbox to configure the GEM-TOUCH to operate as either a "classic" model GEM-Rp1CAe2 or as a "K Style" GEM-K1CA by adding or removing a check, as follows:

- **Add a check** for the "K Style" model GEM-K1CA



- **Remove check** for the "classic" model GEM-Rp1CAe2



Tap **Save** to continue or tap **Exit** to return to the previous screen without saving your changes.

Installing the GEM-TOUCH Wall Plate Adapter

The **GEM-TOUCH Wall Plate Adapter** allows you to easily cover the larger Gemini "RP classic" or "K-series" keypad footprint with the smaller **GEM-TOUCH Color Security Touchscreen Keypad** (shown at right). The mounting plate is optional for new **GEM-TOUCH** installations.

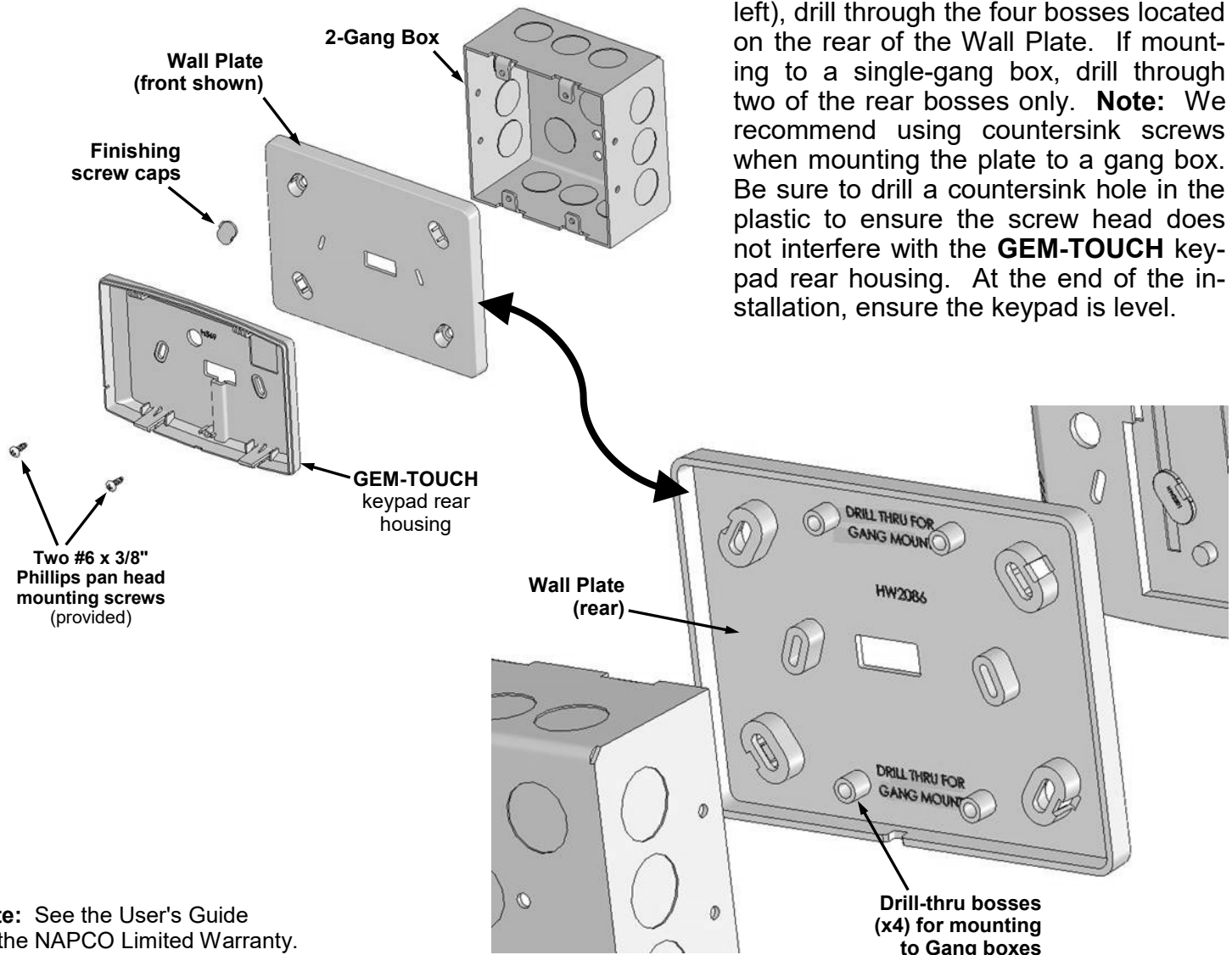
The Wall Plate Adapter can be mounted directly to a wall using the existing keypad mounting holes or to an existing 2-gang or single-gang electrical box. Finishing "screw caps" press into each screw hole after mounting. Mount the keypad rear housing to the Wall Plate using two screws, provided.

The existing keypad wire harness plug must extend several inches from the wall, through the Wall Plate Adapter opening, in order to reach the new **GEM-TOUCH** keypad header socket. If longer wires are needed, splice in the included wire harness plug (part W834J-1), ensuring each wire color splice matches the existing wire colors. **Note:** Remove power prior to splicing.



GEM-TOUCH Color Security Touchscreen Keypad

To mount to a 2-gang box (shown at left), drill through the four bosses located on the rear of the Wall Plate. If mounting to a single-gang box, drill through two of the rear bosses only. **Note:** We recommend using countersink screws when mounting the plate to a gang box. Be sure to drill a countersink hole in the plastic to ensure the screw head does not interfere with the **GEM-TOUCH** keypad rear housing. At the end of the installation, ensure the keypad is level.



Note: See the User's Guide for the NAPCO Limited Warranty.

NAPCO LIMITED WARRANTY

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.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person

purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

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.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.