



GEM-KEYF-LR Key-Fob Transmitter

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WI752E 1/06

GENERAL DESCRIPTION

The GEM-KEYF is a long-range multifunction pendant/keychain transmitter compatible with Napco GEM-Series wireless systems. It serves as an area arm/disarm device with two auxiliary functions, however it may be converted for use as a police panic and/or auxiliary emergency transmitter using other button options supplied. Two 1.5V Batteries power the GEM-KEYF transmitter. A flashing LED indication signals a low-battery warning to replace the unit.

The GEM-KEYF leaves the factory as a remote area arm/disarm transmitter (ON/OFF) with two Auxiliary buttons, A1 and A2. Auxiliary functions are selected by programming Key Fob Transmitter Aux 1 and Aux 2 options: Panic, Auxiliary, or Instant protection. In addition, any of the panel's Relay Groups may be selected for controlling garage doors, exterior lighting, or other applications requiring external relays (RM3000 Relay Modules, optional).

Pressure-sensitive labels are supplied for identification of the Auxiliary Buttons.

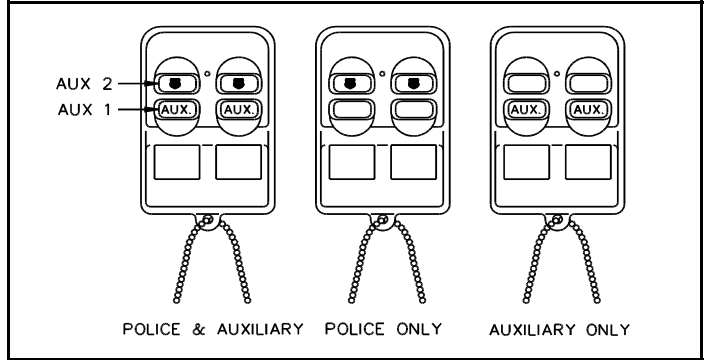
Note: The Aux 1 Button and Aux 2 Button must each be held down for approximately 2 seconds before the respective

LED to come on for twice the normal time, then start pulsing about once every 1.5 seconds; a low-battery report will be sent to the receiver.

Converting for Emergency Use

To convert the GEM-KEYF for use as a two-button police and/or auxiliary emergency transmitter, proceed as follows. (This requires that both buttons be pressed at the same time to signal an emergency.)

1. Remove the screw that secures the case and lift off the top cover.
2. Remove the rubber Button Assembly.

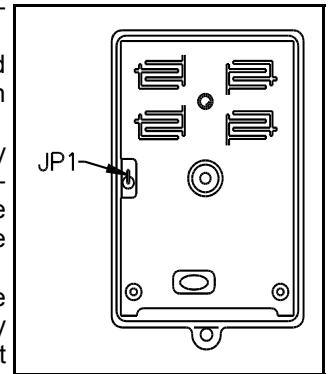


Valid emergency conditions

3. (a) For police emergency, install the blue Police Buttons in the two upper holes with cutout facing upward; or (b) For auxiliary emergency, install the AUX. Buttons in the two lower holes with cutout facing downward. Note: If either pair of emergency buttons is not used, install the pair of dummy buttons in its place.
4. Cut Jumper JP1.
5. Program Key Fob Transmitter Aux 2 option for Panic.
6. Program Key Fob Transmitter Aux 1 option for Auxiliary.
7. Reassemble the case and slip the neckchain through the eyelet.

Note: The two emergency buttons must be pressed simultaneously to send the respective signal. The LED will light while the unit is transmitting.

Low-Battery Check. The batteries are checked manually by holding down any one key for at least 5 seconds. A weak battery will cause the LED to come on for twice the normal time, then start pulsing LED about once every 1.5 second; a low-battery report will be sent to the receiver.



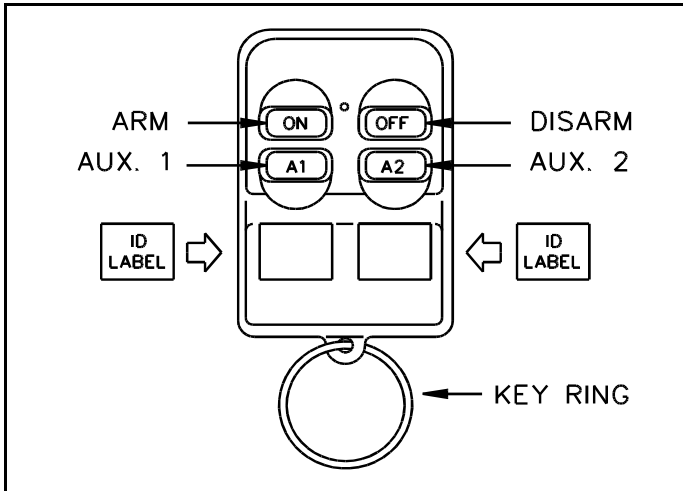
Circuit board showing location of Jumper JP1

REQUIRED PROGRAMMING

The following information is required for each unit. Refer to the instructions for the control panel and keypad in use for detailed programming information.

- An assigned Key Fob transmitter number
- Area number(s) to which transmitter is applicable
- The 6-digit ID code with checksum digit printed on the transmitter (enter all numbers and/or letters, including leading zeros, if any)
- Aux-1 option and Aux-2 option

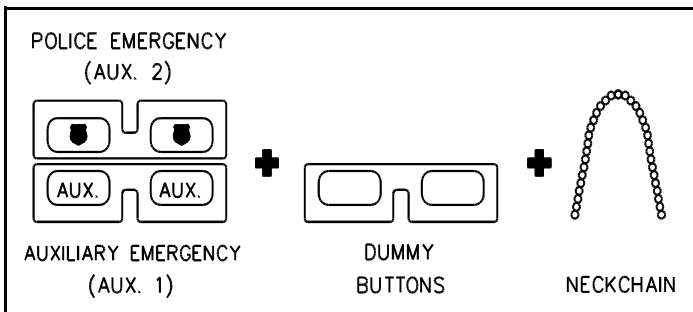
Note: In UL burglar alarm installations:



Factory-supplied functions: Arm, Disarm, Aux. 1 and Aux. 2

signal will be sent. The LED will light while the unit is transmitting.

Low-Battery Check. The batteries are checked automatically during any transmission. A low-battery condition will cause the



Supplied options for emergency use

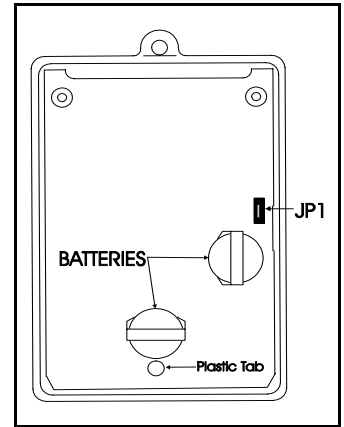
- (1) If the GEM-KEYF is used to arm and/or disarm the system, the control panel must be programmed to provide a single chirp on arming and a double chirp on disarming. A listed alarm bell or horn is to be used.
- (2) Program the burglary output for all protection devices.

BATTERY REPLACEMENT

Replace with two Energizer 386 1.5V batteries.

1. Remove the screw that secures the case and lift off the top cover.
2. Remove the rubber Button Assembly.
3. With the Key Ring Hole facing upwards carefully lift the top circuit board to allow removal of batteries from bottom circuit board.

4. Remove the bottom plastic tab to replace the bottom battery and slide the battery out to the bottom. Insert the plastic tab back into the circuit board.
5. Replace the top battery by sliding it out to the right.
6. Reassemble the case and slip the neckchain through the eyelet.



Top View of Bottom Circuit Board for Battery Replacement

NAPCO SECURITY LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, 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 MERCHANT ABILITY 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 merchant ability, 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 canceled. 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 herein above 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 thereunder.

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.

PART 15 MANUAL STATEMENT

CAUTION: Changes or modifications not expressly approved by manufacturer could void the user's authority to operate the equipment.

RADIO AND TELEVISION INTERFERENCE

This equipment has been tested and found to comply with the limits 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 the 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.

You may also find helpful the following booklet, prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and Modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commissions rules.