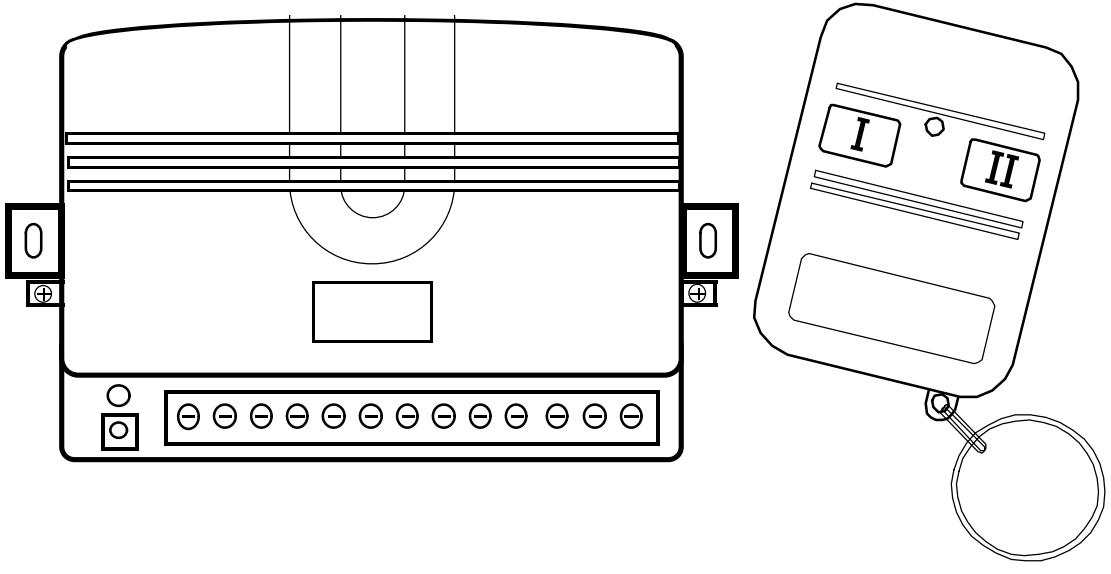
UNIVKIT1
Installation Instructions



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General Information

The UNIVKIT1 is a hand held, 2 button, 5 channel wireless remote control device which is compatible with all control panels which incorporate a keyswitch arm zone.

The UNIVKIT1 incorporates a “rolling code” feature, which transmits a different code to the receiver each time a button is pressed for the ultimate in security.

NAPCO Security Systems, Inc.
333 Bayview Avenue ● Amityville, New York 11701
For Sales and Repairs, call Toll Free: (800) 645-9445

For Technical Assistance, Contact the NAPCO Toll Free Helpline ☎
(800) 645-9440

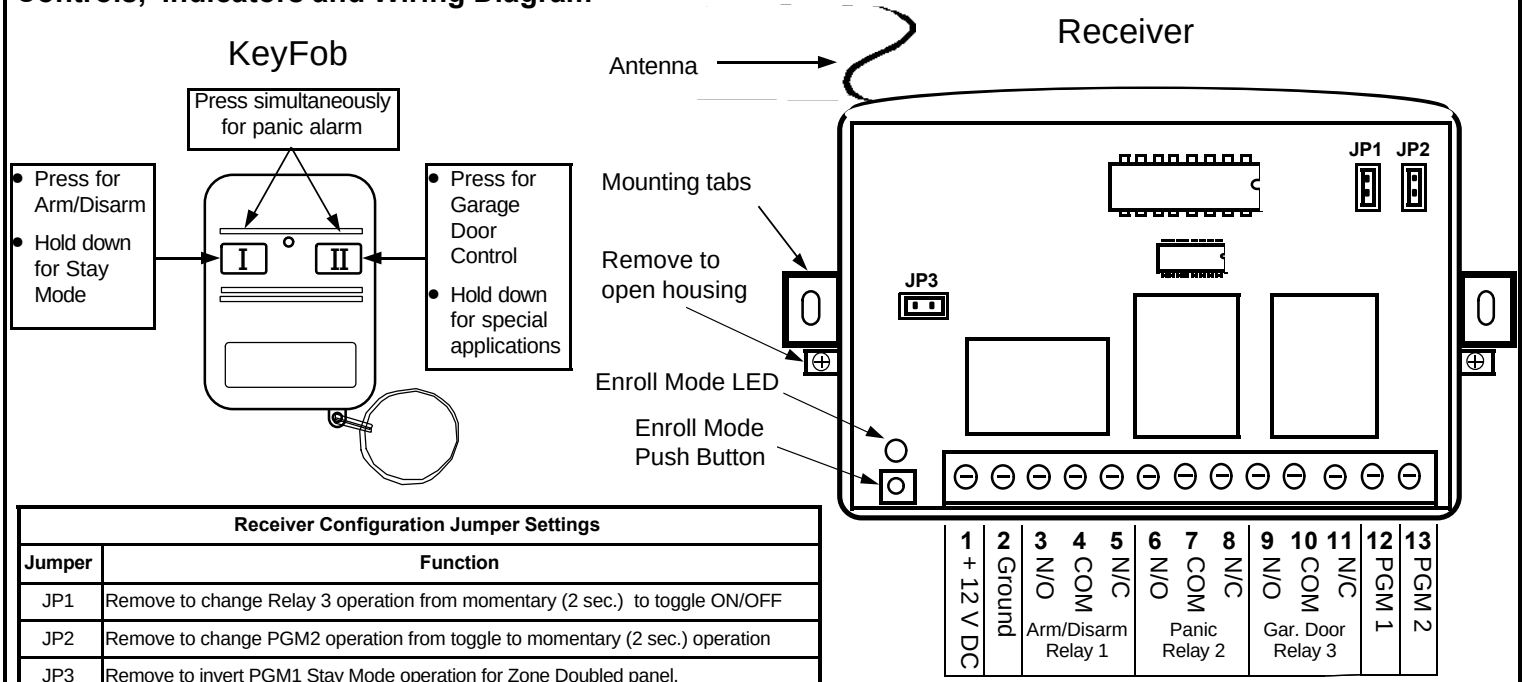
Features

- 3 Form C Relay Outputs
- 2 PGM Open Collector Outputs
- Arm/Disarm
- Stay Mode Arming
- Panic
- Garage Door Control
- Lighting / Appliance control
  or
- Second Garage Door control

Specifications

- Input Voltage: 12V DC Nominal
- Input Current: 40mA standby, 90mA max. (all relays active)
- Maximum # of Keyfobs supported: 2
- Dimensions:
  - Receiver: 4 1/4 “ X 2 1/2” X 11/8”
  - KeyFob: 2 “ X 1 3/8” X 1/2”
- Relay Contact Rating: 1A @ 24 VDC
- KeyFob Battery: 12V Alkaline model 23A
- Frequency: 431 Mhz

Controls, Indicators and Wiring Diagram



Receiver Configuration Jumper Settings	
Jumper	**Function**
JP1	Remove to change Relay 3 operation from momentary (2 sec.) to toggle ON/OFF
JP2	Remove to change PGM2 operation from toggle to momentary (2 sec.) operation
JP3	Remove to invert PGM1 Stay Mode operation for Zone Doubled panel.

Mounting the Receiver

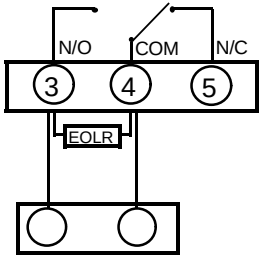
The receiver should be mounted in a location which is centrally located within the area of anticipated usage. It is not recommended that the receiver be installed in an attic or mounted within 24 inches of any metallic objects. Installation in a basement will result in reduced range. It should not be mounted in the control panel enclosure. The receiver must be positioned with the antenna pointed up.

Wiring for Arm / Disarm

Program a zone on the control panel for “Keyswitch Arm”
Choose the appropriate wiring scheme for your control panel.

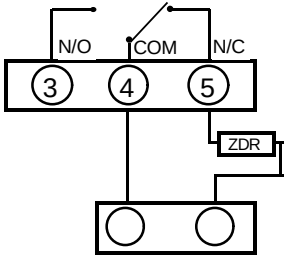
- When button [I] on the KeyFob is pressed, the Arm / Disarm relay will change state (from normally closed to normally open) for 2 seconds and then restore, causing the control panel to arm or disarm.

Typical Keyswitch wiring for a zone using End of Line resistor



Zone programmed for Keyswitch Arm

Typical Keyswitch wiring for a “zone doubled” zone



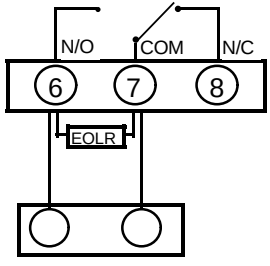
Zone programmed for Keyswitch Arm

Wiring for Panic

Program a zone on the control panel as a 24 Hour Panic Zone.
Choose the appropriate wiring scheme for your control panel.

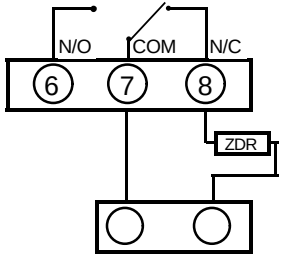
- When the [I] and [II] buttons on KeyFob are pressed simultaneously, Panic the relay will change state (from normally closed to normally open) for 2 seconds and then restore, causing an alarm on the the control panel Panic Zone.

Typical Panic wiring for a zone using End of Line resistor



Zone programmed for 24 hour panic

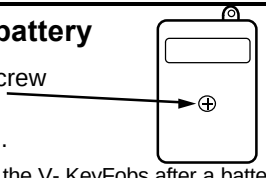
Typical Panic wiring for a “zone doubled” zone



Zone programmed for 24 hour panic

Changing the KeyFob battery

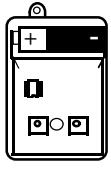
1 Remove the Phillips head screw on the back of KeyFob.
2 Lift top of case from bottom.



Note: There is no need to re-enroll the V- KeyFobs after a battery change.

3 Remove old battery and insert new battery between the battery contacts.
4 Close case and re-install screw.

Use only 12V Alkaline model 23A replacement battery

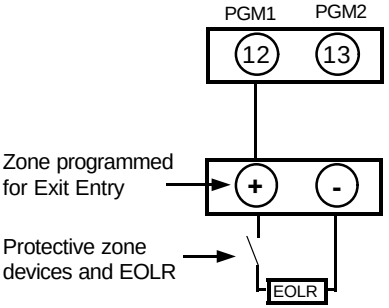


Wiring for Stay Mode

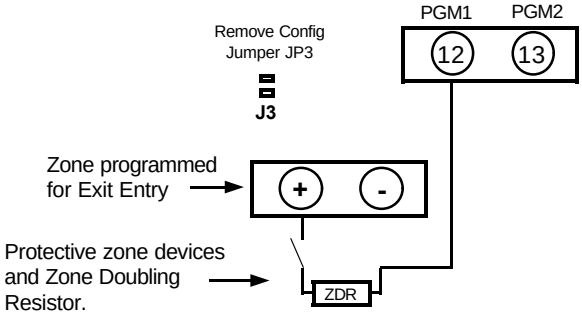
When installed on a control panel which supports the option “Automatic Interior Bypass”, the system can be armed in either the AWAY or STAY mode through the KeyFob. *A system which provides Automatic Interior Bypass controls the Interior protection by automatically bypassing the Interior Zones if the system is armed and the exit/entry door is not opened.* Program the control panel for “Automatic Interior Bypass”, or for “Home Away with Delay” (for the NAPCO Express Series stay mode). Each time the system is armed by a press of KeyFob button [**I**], the system will arm in the AWAY mode, providing complete protection. If the KeyFob button [**I**] is held down for 2 seconds, the system will arm in the in the STAY mode, providing perimeter protection only.

- When KeyFob button [**I**] is pressed, the PGM1 terminal of the receiver will cause a violation of the exit/entry zone, which will arm the system in the AWAY mode.
- If KeyFob button [**I**] is held down for 2 seconds,the PGM1 terminal of the receiver will NOT violate the exit/entry zone, which will cause the system to arm in the STAY mode.

Typical STAY mode wiring for a control panel using End of Line resistors



Typical STAY mode wiring for a control panel using Zone Doubling



For Zone Doubled Control panels, including the NAPCO Express Series and GEM-P400 / P800 controls:

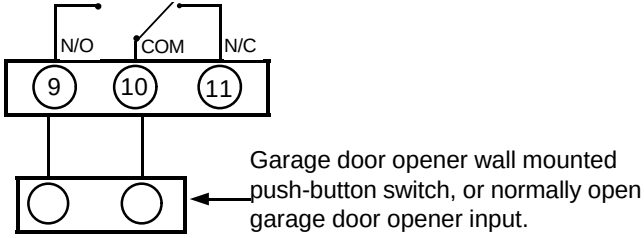
- Program the interior zones for for Home Away with Delay and wire as shown using the standard Zone Doubling Resistor.
- Remove Jumper JP3 to invert PGM1 operation

Wiring for Garage Door Control

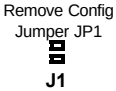
The UNIVKIT1 can be used to control a garage door opener, or any other access control device which requires a momentary closure for activation. The typical installation will require that the N/O and COM terminals of Relay 3 be wired across the wall mounted push-button switch for the garage door control as shown in the diagram below.

- Pressing the [II] button will place a 2 second short across Terminals 9 and 11, prompting the garage door opener to activate.

Typical wiring for a controlling a garage door opener from keyfob.



Using Relay 3 for lighting and appliance control



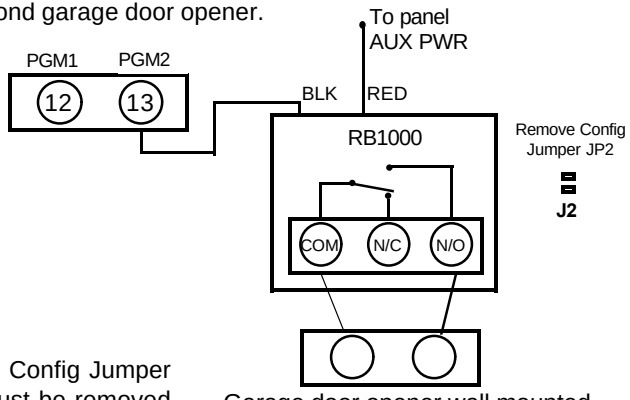
If Garage Door control is not desired, remove Config Jumper JP1 to convert Relay 3 from momentary to toggle On/Off operation. This will allow Relay 3 to be used for special applications such as lighting and appliance control. Press [II] to toggle from OFF to ON, activating the appliance. A subsequent press will toggle back from ON to OFF.

Using PGM2 to Control a Second Garage Door

The UNIVKIT1 can be configured to control a second garage garage door opener, or a second access control device by utilizing a NAPCO RB1000 relay wired to the receiver PGM2 terminal. The typical installation will require that the N/O and COM terminals of the RB1000 be wired across the wall mounted push-button switch of the second garage door control as shown in the diagram below.

- Holding Down the [II] button for 2 seconds will cause the RB1000 to activate for 2 seconds, placing a short across the COM and N/O terminals and prompting the garage door opener to activate.

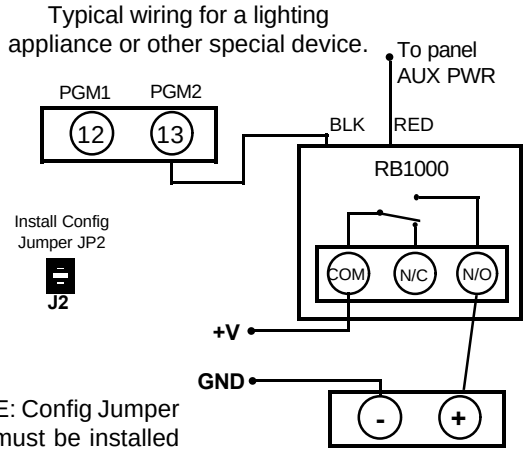
Typical wiring for controlling a second garage door opener.



NOTE: Config Jumper JP2 must be removed for PGM2 momentary operation.

Using PGM2 for Special Applications

The UNIVKIT1 can be configured to control lighting or other special applications by utilizing a NAPCO RB1000, wired to the receiver PGM2 terminal. The typical installation will require that the N/O and COM terminals of the RB1000 be wired across a lighting appliance or other special device. Holding Down the [II] button will cause the RB1000 to toggle (from OFF to ON), activating the appliance. A subsequent Hold Down of button [II] will toggle back from ON to OFF.



NOTE: Config Jumper JP2 must be installed for PGM2 toggle On/ Off operation.

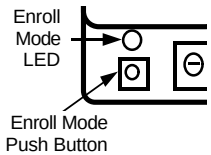
Lighting appliance or other low voltage device.

Enrolling KeyFobs into the Receiver

Each Keyfob used on the system must be enrolled into the receiver using the following procedure:

1	Press Enroll Mode Push Button in lower left hand corner of receiver. (see below)	The Enroll Mode LED will begin pulsing rapidly.
2	Press button [I] on the KeyFob to be enrolled.	The LED will light, and then begin pulsing again.
3	If only one KeyFob is to be enrolled, press the Enroll Mode Push Button to exit program mode.	The LED will go out.
4	Press button [I] on second KeyFob to be enrolled.	The LED will light and then go out, automatically exiting Enroll Mode.

- A maximum of 2 KeyFobs may be enrolled.
- If a second KeyFob is to be added to an existing system, both KeyFobs must be re-enrolled.
- To remove a lost KeyFob from the system, press the Enroll button and then press again to exit the Enroll Mode. All keyfobs will be deleted from the system.



NAPCO 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 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 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 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.

FCC ID: AD8VKEYFOB

This device complies with part 15 of the FCC Rules. Operation is subject to the following:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

NAPCO Security Systems, 333 Bayview Avenue, Amityville, NY 11701

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