



NAPCO
 NAPCO SECURITY SYSTEMS, INC.
 130 BAYVIEW AVENUE
 AMITYVILLE, NEW YORK 11701

PHONE (516) 862-6000
 CANYON (800) 871-8111
 TOLL FREE (800) 871-8111

TOLL FREE (800) 871-8111
 SALES, REPAIRS AND TECHNICAL SERVICE
 IN NEW YORK (516) 862-6000
 SALES, REPAIRS AND TECHNICAL SERVICE

OPERATING AND INSTALLATION INSTRUCTIONS

**RP-1009, -1009I
 DIGITAL KEYPADS
 for the
 MA-850 & MA-900**



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GENERAL DESCRIPTION

The RP-1009 and RP-1009I Digital Keypads are remote arming stations with dual-function keys, indicator LEDs, digital display, Mini-Sounder indication, panic alarm and manual shunting capability. The RP-1009I keypad is illuminated, permitting the user to turn off lights before arming, or to disarm before turning lights on when entering.

Arm/Disarm Code. Press [S], then the user number ("2" through "4" in MA-850; "2" through "8" in MA-900), then four digits for each Arm/Disarm Code.

- (For MA-900 only:) Press [S], then [9], then two to four digits for the Access Control Code.
- Press [S] twice to exit the Program Mode.

TERMINAL CONNECTIONS	
KEYPAD WIRE COLOR	MA-850, -900 TERMINAL
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Gray	8
White	9
Black	} to remote panic switches (insulate if not used)
Pink	
White with black stripe (in RP-1009I only)	35 (MA-850) 45 (MA-900)

REMOTE PANIC

To connect a remote panic button, splice black and pink ribbon wires to a normally-open momentary pushbutton. Additional panic buttons may be similarly wired in parallel with the first, as needed. If remote panic will not be used, insulate both black and pink leads, as a short between them will cause a panic alarm. Note that in U.L. installations, remote-panic buttons must be located in the same room as the keypad.

KEYPAD OPERATION

Arm/Disarm - Press the Arm/Disarm Code that has been programmed, or press the Fallback Code if no Arm/Disarm Codes are present.

Tamper Lockout - If the wrong code is pressed to arm or disarm, the keypad will lock up. Wait 2 seconds, then try again.

Ambush Alarm - Press the 2-digit Ambush Code (programmable), then the Disarm Code.

Hold-Down Functions - To enable any hold-down function, hold down the respective key until the Mini-Sounder beeps. See Page 2 for a table of hold-down functions for the MA-850 and MA-900.

NOTE: If using a soldering iron, avoid splashing solder onto keypad circuit board or components.

PROGRAMMING ARM/DISARM CODES AND ACCESS CONTROL CODE (MA-900 only)

- Hold down Key [8] and enter the keypad Program Code. (Exceptions, MA-900 only: At power up, or if high-security keypad programming is enabled, push the START switch, then hold down Key [8].)
- Press [S], then [1], then first 4-digit

HOLD-DOWN FUNCTIONS		
KEY	MA-850 FUNCTION	MA-900 FUNCTION
1	Test	Test
2	Display Shunt	Display Shunt
3	Display Status	Display Status
4	Instant Alarm	Instant Alarm
5	Door Chime	Start Exit Delay w/o Ringback
6	Communicator Confidence	Communicator Confidence
7	Fault Find	Fault Find
8	Program	Program
9	Reset/Bypass	Reset/Bypass
S	Alarm History	--

Alarm Reset - Disarm to silence an alarm sounding device.

Panic Alarm - Press [*] and [#] keys (at the same time) or a remote panic button, if installed, to signal a panic alarm.

Shunting - Shunt when disarmed. Press Key [S] then zone number to bypass a zone programmed for selective shunt. Press Key [S] twice to bypass all zones programmed for group shunt. Yellow LED will glow when zones are manually shunted. Hold down Key [2] to display manually shunted zones. Disarm to cancel shunt.

Panic Jumper - To disable keypad panic, cut the brown jumper at lower end of the circuit board, behind Key [S].

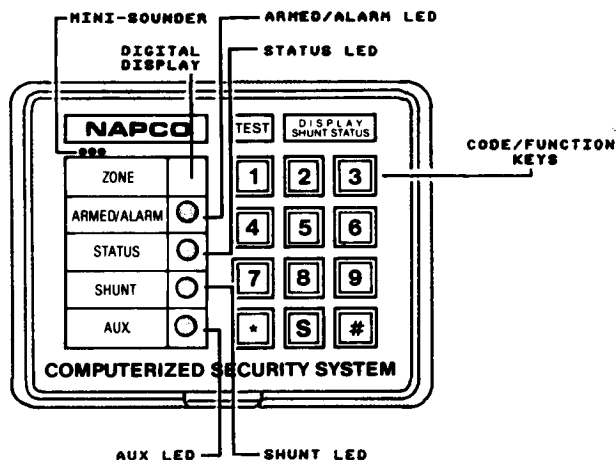
INDICATORS

ARMED/ALARM (Top Red) LED:

- On steady - Armed.
- Slow blink - Alarm on Non-24-Hour Burglary Zone.
- Rapid blink - Instant Alarm (exit/entry delay cancelled.)

STATUS (Green) LED (when disarmed):

- On steady - Non-24-Hour Burglary Zones okay.
- Blink every second - Non-24-Hour Burglary Zone(s) in trouble.
- Rapid Blink - Day Zone in trouble.



Keypad controls and indicators

SHUNT (Yellow) LED:

- On steady - At least one zone manually shunted.

ARMED/ALARM, STATUS & SHUNT (Together):

- Slow blink - Ac power loss.
- Rapid blink - Keypad in Program Mode.

AUX. (Bottom Red) LED:

- On steady - Alarm on the Supervisory Zone.
- Blinking - Trouble on the Supervisory Zone.

Digital Display:

- Flashing zone number(s) - Non-24-Hour Zone in alarm condition or day supervision trouble.
- Displays zero with Mini-Sounder on - Unsuccessful attempt to arm with Priority Zone trouble; display memory not reset after alarm trouble; or an ac power loss not bypassed.

Mini-Sounder:

- On steady immediately after arming - priority condition. System cannot arm. Disarm to silence sounder.
- On steady upon entry - Entry delay per-

iod in progress.

2-second beep - Zone auto-shunted; 24-Hour Zone latched in fault condition; or low-battery condition exists. Hold down Key [3] to display zone(s).

3-second beep shortly after arming - central station "ringback" verifies receipt of closing report.

Pulsing, with digital display - Day Zone trouble.

Pulsing and AUX. LED on - Supervisory Zone alarm/trouble. (Hold down Key [9] to silence alert.)

Mounting

Mounting onto the Control-Center Door

1. Use a screwdriver to remove the knockout in the front door of the control center.
2. Align the mounting holes on the keypad with the mounting slots in the cabinet door.
3. Secure in place with #6 screws and nuts.

Surface Mounting onto a Wall Using an RPB-1

Mount the RPB-1 onto the wall using #6 pan head screws.

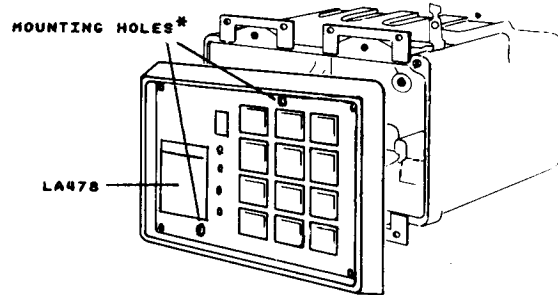
2. Pull wires through the hole in the back or run a 10-conductor cable through the smaller hole in the side. Keypad wires may have to be shortened to fit.
3. Raise the keypad front panel and mount the keypad onto the RPB-1 with the screws provided. Lower the front panel.

Flush Mounting into a Wall Using the RPB-2

1. Hold the mounting box flush against the wall, (with mounting ears towards the wall) and mark around the outside of the box with a pencil.
2. Carefully cut out the hole for the box, insert into the wall, and tighten mounting screws.
3. Raise the keypad front panel and position the keypad on the RPB-2 box. (Only the RPB-2 may be used; any other double-

gang box may be too small.)

4. Use the mounting holes to secure the keypad to the RPB-2 with #6 screws.
5. Lower the keypad front panel.



*USE 4 CORNER HOLES FOR MOUNTING WITHOUT A JUNCTION BOX. SEE BELOW AND TEMPLATE ON PAGE 4

Keypad in RPB-2 Double-Gang Box. (Front panel of keypad omitted for clarity.)

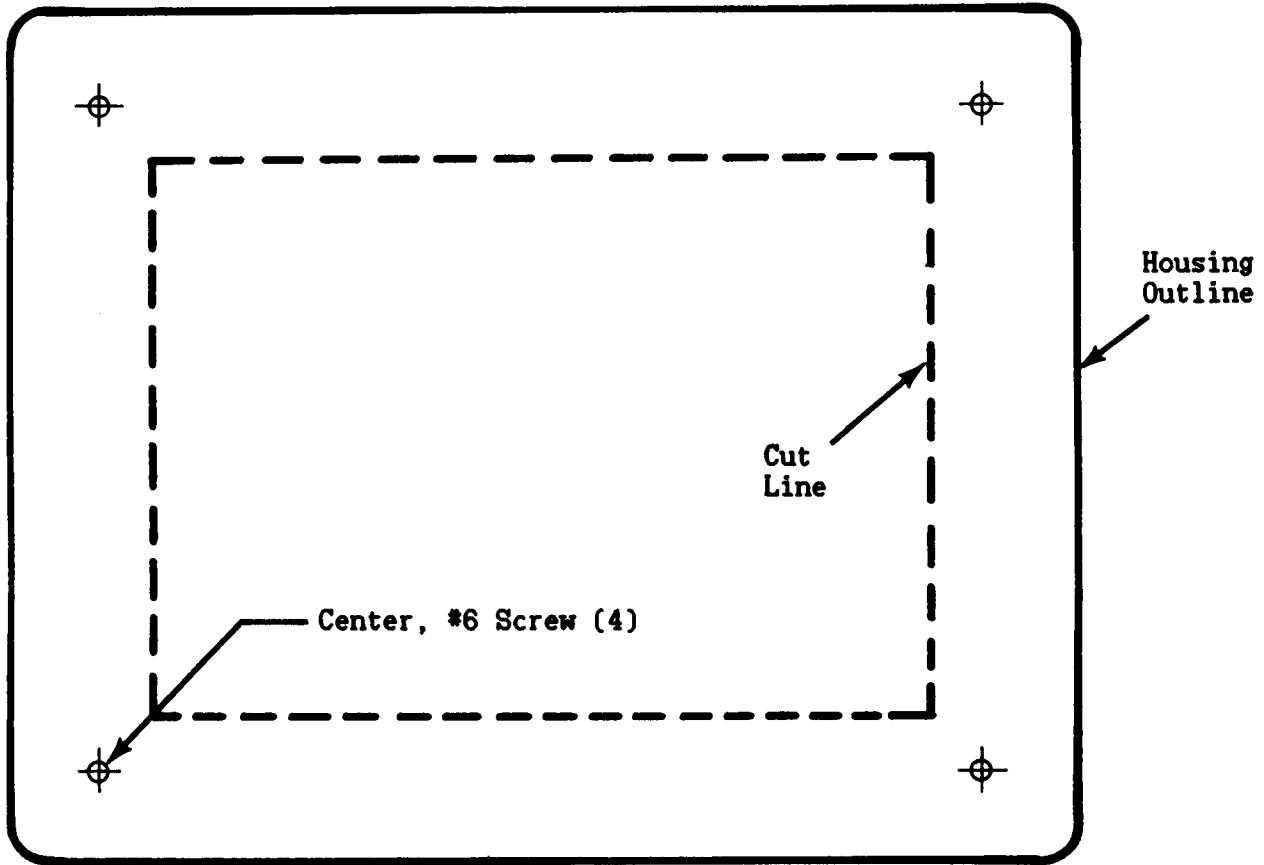
Flush Mounting Without a Mounting Box

See mounting template on Page 4.

1. Pin the template to the wall, or mark through the template onto the wall.
2. Cut carefully around the lines shown. (Caution: A poorly cut hole may show after mounting.)
3. Raise the keypad front panel and screw the keypad onto the wall.

Completing the Installation

1. Raise the front panel. If used with an MA-850 control unit, affix the "MA-850 SYSTEM COMMANDS" label (LA541) over the equivalent portion of factory-applied label LA-489.
2. Complete the areas of protection for the respective zones listed on label LA-478. If used with an MA-850 control center, ignore ZONE 9, AUX-1, and AUX-2. Affix LA-478 to the keypad as shown above.
3. Upon completion, lower the front panel and remove its protective film covering.



Mounting Template

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants each of its products to be free from manufacturing defects in materials and workmanship for fifteen 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 accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling, reassembly or reinstallation charges.

In order to exercise the warranty, the product must be returned by the user or purchaser, shipping costs prepaid, and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under

warranty.

There are no warranties, express or implied which extend beyond the description of 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.

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, nor 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 commercial loss or damage, whether direct, indirect, inci-

dental, 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. Therefore, the consumer is advised 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.

This warranty shall be construed in accordance with the laws of the State of New York.