



NAPCO

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INSTALLATION INSTRUCTIONS

RP6000 Remote Annunciator Station

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WI383 10/92

UL Listed: Signal System Control Unit Accessory

GENERAL DESCRIPTION

The RP6000 is a remote annunciator station that provides visual LED (Light-Emitting-Diode) and digital display, and audible sounder indication for MFA6000-Series fire alarm control systems. Except for the AC ON LED, the RP6000 duplicates the indicators on the main-panel keypad, including numeric display and sounder. The TROUBLE SILENCE button will silence only that sounder inside the RP6000; it will not affect any other indications at the RP6000, nor will it affect any indications at the control panel or at any other annunciator, if used.

SPECIFICATIONS

Power Requirements: 12Vdc, 50mA max.

Maximum Number Allowable: 2

CONTROLS & INDICATORS

Sounder. The sounder will come on *intermittently* to indicate a zone trouble, a system trouble, a disabled zone, or a disabled device (system trouble).

Unless inhibited by programming, the sounder will come on *continuously* to indicate that a zone trouble or system trouble condition has been corrected, or that a disabled zone has been enabled.

Numeric Display. The numeric display will indicate the number(s) of the zone(s) in alarm, zone(s) in trouble, or zone(s) that have been disabled. System-trouble codes are also shown on the numeric display (see *SYSTEM TROUBLE LED*).

ALARM LED. When an alarm is initiated, the red ALARM LED will flash and the numeric display will indicate the zone in alarm.

ZONE TROUBLE LED. If a trouble condition is detected on any zone, the sounder will beep continuously, the yellow ZONE TROUBLE LED will blink, and the numeric display will indicate the zone in trouble.

SYSTEM TROUBLE LED. Indicates that a system trouble condition exists. System troubles are indicated on the numeric display and may be identified by the following codes:

- "1" = Ac Failure
- "2" = Sprinkler Supervision Trouble
- "3" = Signal-Circuit Trouble
- "4" = Ground Fault
- "5" = Telephone Trouble
- "6" = Device Disabled
- "7" = Low Battery
- "8" = Program Failure

ZONE DISABLED LED. Indicates that one or more zones have been disabled. Any zone(s) that have been disabled will be shown on the numeric display.

TROUBLE SILENCE Button. This button will silence a sounder trouble indication at the annunciator only. It will affect no other indications. It will in no way affect the control center or any other remote annunciator.

MOUNTING

The RP6000 may be flush mounted with or without an enclosure. Where local codes require an enclosure, however, the RPB-2 Junction Box¹ must be used.

Note: Instructions for disabling the hinged front panel, if necessary, are provided at the end of this section.

Flush Mounting using the RPB-2 Junction Box. The RPB-2 provides a secure enclosed installation.

1. Using a pencil and the mounting template furnished with the RPB-2, mark the wall for junction-box mounting.
2. Carefully cut the hole for the junction box using a keyhole saw. *Caution:* A poorly-cut hole may show.
3. Remove wiring knockouts and insert the box into the hole. Tightening the two corner mounting screws will properly position the mounting ears behind the wall to provide a secure mounting.
4. Complete the wiring connections (see *WIRING*).
5. Flip up the front panel and position the annunciator on the junction box. Mount the annunciator with two #6-32 machine screws, then lower the front panel and peel off its protective coating.

Additional instructions are furnished with the RPB-2 Junction Box.

(1) Listed Double-Gang Box (Approx. 2-1/2"D x 4-1/8"W x 4-1/4"H outside; 25 sq. in. inside)

Flush Mounting without an Enclosure. Where permitted, a satisfactory installation may be made without the requirement of an enclosure, as follows.

1. Using a pencil and the template shown, mark the wall for the RP6000. Carefully remove the "Cut-Line" area using a keyhole saw. *Caution:* A poorly-cut hole may show.

2. Complete the wiring connections (refer to the wiring diagram).

3. Flip up the front panel and mount the annunciator station to the wall with four #6 screws.

Disabling the Flip-Up Hinged Front Panel. In certain installations, it may be desirable to mount the annunciator with the hinged front panel permanently closed. This may be easily accomplished as follows.

1. Drill two 5/32" (0.156") holes, one at each of the lower corners, from the rear of the panel through to the front. Use the two lower corner mounting holes as guides.

2. Install the RP6000 using either of the mounting methods described, and lower the front panel.

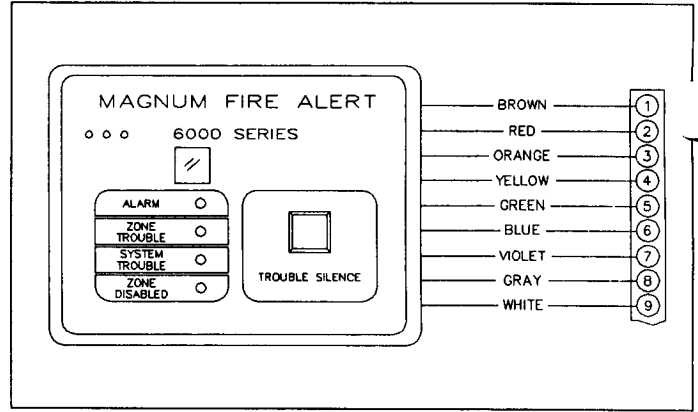
3. Pass two #6 sheet-metal screws (with pan heads) or wood screws (with round heads) through the front panel, into the wall. Screws should be at least 1" in length.

WIRING

The circled numbers in the Wiring Diagram refer to the respective terminal numbers in the control panel. Be sure to use wire that is approved for fire-alarm systems. All wiring must conform to local and NFPA¹ codes.

Note: If using a soldering iron, avoid splashing solder

onto the circuit board or components.



Wiring Diagram

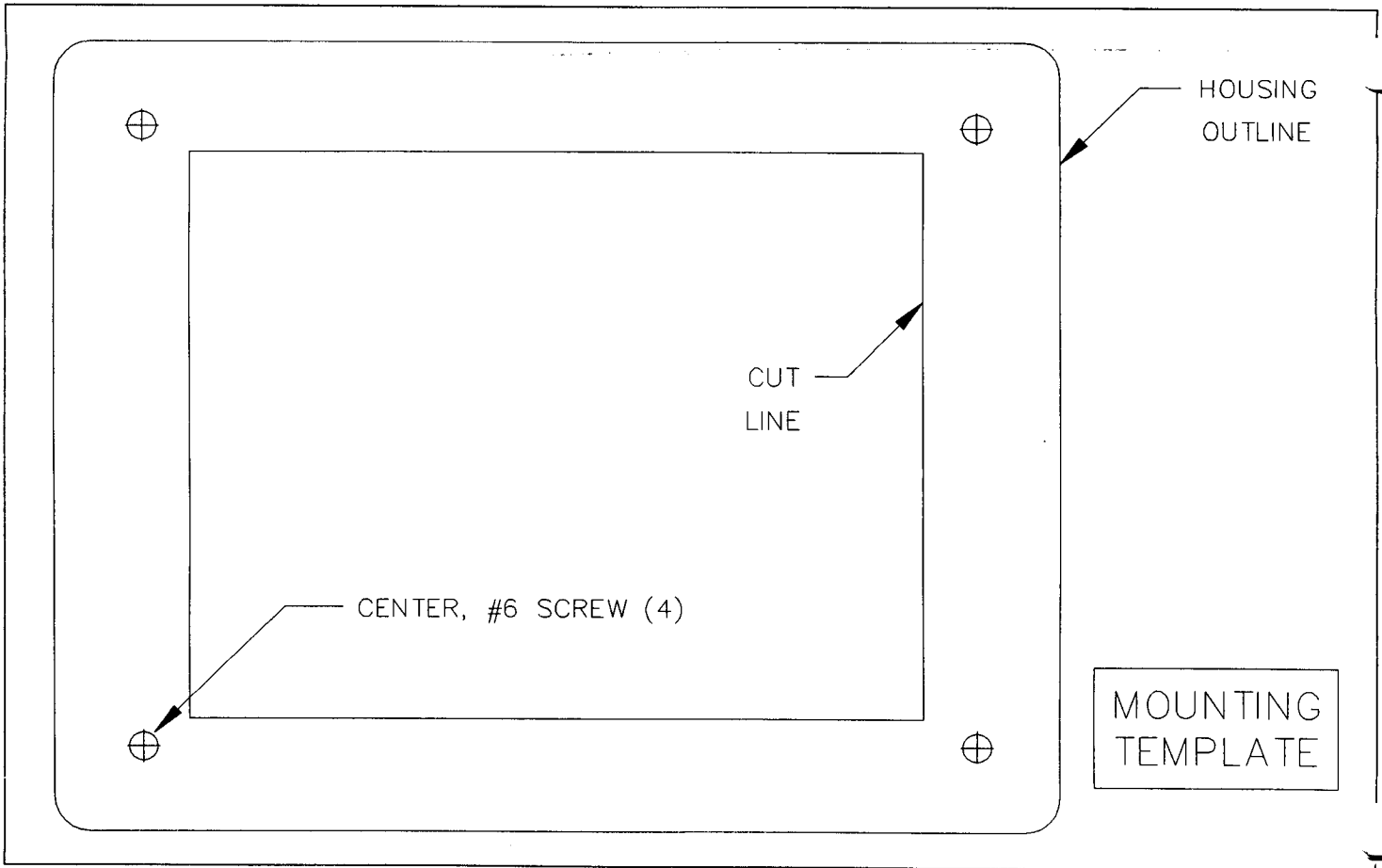
COMPLETING THE INSTALLATION

After mounting and wiring have been completed,

1. Fill out label LA596 (supplied) indicating area of protection for each zone.

2. Raise the front panel. Remove the protective paper from the adhesive side of the label and apply the label to the subpanel in the vacant area to the left of the LEDs. (If the front panel has been locked closed, affix the label to the front panel, just below the TROUBLE SILENCE button.)

3. Lower the front panel and remove its protective vinyl film.



(1) National Fire Protection Association, Batterymarch Park, Quincy, MA 02269

**RP6000 REMOTE ANNUNCIATOR STATION/MFA6000 SERIES FIRE ALARM CONTROL PANEL
AREAS OF PROTECTION**

ZONE	AREA PROTECTED
1	
2	
3	
4	

SYSTEM TROUBLES

DISPLAY	CAUSE
1	LOSS OF AC
2	SUPERVISORY LOOP OPEN
3	SIGNAL LOOP(S) SHORTED OR OPEN
4	GROUND FAULT
5	TELCO-LINE TROUBLE OR FAILURE TO COMMUNICATE
6	ONE OR MORE DEVICES DISABLED
7	LOW BATTERY
8	PROGRAM FAILURE

CALL FOR SERVICE IF:

- THE *ZONE TROUBLE* LIGHT IS ON OR FLASHING;
- THE *SYSTEM TROUBLE* LIGHT IS ON OR FLASHING; OR
- THE *SOUNDER* CANNOT BE SILENCED WITH THE *TROUBLE SILENCE* BUTTON.

(SUITABLE FOR FRAMING)

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants 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 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.

In case of defect, contact the security professional who installed and maintains your security system. 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.

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 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.

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. If the user wishes to protect itself to a greater extent, NAPCO will, at user's sole cost and expense, obtain an insurance policy to protect the user, supplemental to user's own policy, at a premium to be determined by NAPCO's insurer upon written notice from user by Certified Mail, Return Receipt Requested, to NAPCO's home office address, and upon payment of the annual premium cost by user.

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.