RP1054D KEYPAD

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DESCRIPTION

The RP1054D is a user-friendly backlit keypad designed for Napco's UL-listed MA854, MA1008 and MA1010 control panels. A large 7-segment alphanumeric display functions as a readout for control-panel information and zone identification. Installation is quick and easy on only four wires.

This manual provides installation information only. Refer to the accompanying User's Guide (OI142) for keypad functions and operation, and to the installation manual furnished with the control panel for panel mounting, wiring, and programming information.

SPECIFICATIONS

Operating Voltage: 9.0–13.0Vdc (supplied by control panel)

Current: 40mA* typical

Wiring Length: 1 keypad, 1000' max.; 5 keypads, 300' max. using #22AWG wire)

Dimensions: 4⅜" x 5⅞" x 1¹⁄₁₆" (HxWxD)

*Subtract from available combined standby current of control panel.

MOUNTING

Opening the Keypad. There are two slots along the bottom edge of the keypad about 1 inch from each side. To open, insert a medium screwdriver into either slot and push up with a slight twisting motion to release the retainer tab. Repeat for the other slot. Pull out at the bottom and lift off the two hooks at the top.

This keypad features a handy pull-up reference label. (This label must be used in UL installations.) *Before mounting the keypad onto the wall,* push the Sliding Label Plate (with label and felt backing affixed and handle facing forward) down the guides at the rear of the keypad until it snaps into place. Once installed, the Sliding Label Plate cannot be removed without first removing the keypad from the wall.

When installing the rear case, be sure that the words "UP" and "TOP" (molded into the case) are properly oriented. The rear case is provided with a variety of holes to accommodate virtually any mounting situation. The four *angled* elongated holes are for mounting directly into a wall using appropriate screws; these holes will allow levelling adjustment. The four corner holes may be used when replacing an RP854 Keypad with RPB-1 Backplate for surface mounting directly onto a wall. The RP1054D replaces both the keypad and the backplate. If installing into 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, then 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 to ensure a secure installation.

WIRING

Wire the keypad to the control panel terminals shown in Table 1. **Note:** If using a soldering iron, be careful not to splash solder onto the keypad circuit board or components, as damage could result.

Keypad Wire Color	MA854	MA1008	MA1010
Yellow	1	5	6
Green	2	6	7
Red	3	3	3
Black	4	4	4
White	to normally-open remote panic switch(es)		
White			

Table 1. Keypad wiring to control-panel terminals.

Remote Panic. To connect a remote panic button, splice the two white ribbon-cable wires to a normally-open momentary-contact pushbutton switch. Similarly, additional panic buttons may be wired in parallel with the first, as needed. If remote panic will not be used, insulate both white leads, as a short across them will cause a panic alarm. Note that in UL installations, remote panic buttons must be located in the same room as the keypad.

Backlighting. Backlighting requires no additional wiring. In normal use, the keypad is always dimly backlit. To disable backlighting, see *JUMPER OPTIONS.*

JUMPER OPTIONS

Several jumpers provide a variety of options. They are conveniently located around the perimeter of the board for easy access. To identify the location of the jumpers, refer to the label affixed to the fishpaper on the back of the board.

Disable Keypad Panic. Cut Jumper A (bottom-center) to disable the keypad panic buttons, Keys [*] and [#].

Disable Keypad Sounder. Cut Jumper B (lower-right) to completely disable the sounder. Do not disable the sounder in UL installations.

Disable Touchpad Backlight. Cut Jumper C (upper-right) to disable touchpad backlighting.

COMPLETING THE INSTALLATION

To reassemble the keypad after installation, hang the top of the front panel onto the hooks in the rear case and push

in firmly at the bottom until the retainer tabs snap into place. (If difficulty is encountered, push the retainer tabs up slightly using a screwdriver, as when removing.)

HOLD-DOWN FUNCTIONS

The keypad functions listed in Table 2 are selected by holding down the indicated key for about 2 seconds (until a beep sounds).

Key	Function
[1]	Bell Test
[2]	Display Bypass (Shunts)*
[3]	Display Status*
[4]	Instant Protection
[5]	Chime
[6]	Telco Test; Manual Download**
[7]	Fault Find
[8]	Program
[9]	Reset
[S]	Alarm History*

*Keep button depressed until all zones have been displayed.
**Secondary hold-down function accessible only within 5 seconds after arming and disarming.

Table 2. Hold-Down Functions

To review the available functions at the keypad, pull up the Sliding Label Plate at the top of the keypad to expose the "ready-reference" list of both hold-down functions and zone descriptions.

KEYPAD PROGRAMMING (MA1008 & MA1010 only)

The following keypad functions are enabled only in the Dealer Program Mode. For programming instructions, refer to the installation manual furnished with the control panel.

Key [1] - PRIOR. Sequences backward to the previous location.

Key [2] - NEXT. Advances to the next location.

Key [3] - NEXT. Same as Key [2].

Key [4] - DATA UP. Selects the data for the chosen location: numbers 1–9, 0 and letters b, C, d, E, and F, in ascending order.

Key [5] - CLEAR. Clears the data from the selected location.

Key [6] - PRIOR. Same as Key [1].

Key [7] - DATA DOWN. Selects the data for the chosen location: numbers 1–9, 0, and letters b, C, d, E, and F, in descending order.

Key [8] - EXIT. All LEDs will light. Enter Dealer Program Code with 10 seconds to verify and exit.

Key [S] - SET LOCATION. Enter a 3-digit location number.

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D.R.