Digital Monitoring Products

Installation

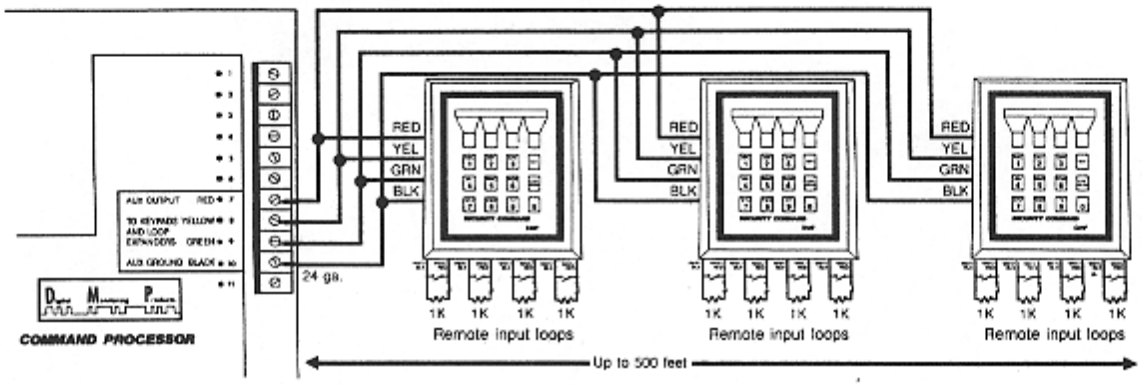
7302027

SECURITY COMMAND
ALPHANUMERIC KEYPAD

WIRING

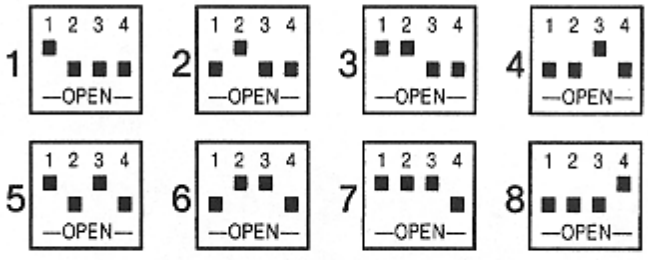
All Security Command keypads are wired in parallel as shown below. The Command Processor control can be programmed to communicate to up to eight keypads. Each keypad will operate on 6 to 16 volts DC at 50 m.a. when the display is blank and 105 m.a. when the display is lit. If more DC power will be required to power keypads than the Command Processor will provide, then an auxiliary power supply is recommended.

Any auxiliary power supply should have a common ground with the black wire from each keypad and terminal number 10 on the Command Processor control. The positive output from the auxiliary power supply should connect only to the devices it will be powering. No connection should be made between the positive output of the control and the auxiliary supply.



ADDRESS PROGRAMMING

Each Security Command keypad must have its own specific 'address' in order for the Command Processor control to communicate to it individually. The Command Processor can communicate to up to eight distinct addresses. The keypad addressing switch is located inside the Security Command. By removing the rear cover plate and referring to the chart to the right, one of eight addresses can be selected. Keypads and Loop Expanders may be used together as long as no two devices have the same address. One Security Command must be selected as address 1 for system programming.



PANIC SIGNAL

The Model 730, 740 and 750 Security Commands provide a standard panic feature. Loop 1 at each address may be programmed as a panic loop. If at any time the 7 and 0 keys are pressed simultaneously, loop 1 on that address will be placed in a simulated shorted condition. The loop will return to its previous condition when the keys are released. A 1K resistor should be placed on loop 1 to provide a normal condition. If you do not wish to use this feature on a particular keypad, disable by cutting the jumper labeled CUT JUMPER TO DISABLE 7/0 PANIC BUTTONS on the left hand side of the circuit board.

LT-0045

SELF-TEST DIAGNOSTICS

The Model 730, 740 and 750 Security Commands contain a program that allows for testing of all keypad functions. Disconnect the red (12 volts), yellow and green wires from the keypad you wish to test. Place a jumper between the yellow and green terminals and then reconnect the red wire. The display will read:

TEST PROCEDURE

TEST 1 DISPLAY TEST

The display test will begin immediately. It will place a *,0,.,: on all of the 16 characters. By visually inspecting the display as each character is scrolled you can assure that each segment is functioning properly.

To proceed to the next test, press the COMMAND key. To back up and repeat a test, press the back arrow (←).

TEST 2 KEY TEST

The second test allows you to check each key for proper operation. The display will read:

PRESS KEY--

As each key is depressed and held its name will be displayed. Press the COMMAND or back arrow key to exit this test.

TEST 3 LOOP TEST

The third test allows you to check each keypad loop for proper operation.

L1 L2 L3 L4

Following each loop number will be the status of the loop. O = Open, - = OKAY and S = Short. This is a real time display of the loop status.

TEST 4 FUNCTION TEST

The fourth test allows you to check the AC LED, the door strike relay and keypad tone for proper operation. The display will read:

LED RLY TONE

To test each function, press the key beneath its name.

TEST 5 ADDRESS TEST

The fifth test will display the address selection of this keypad. This is real time display and will change if the address switches are changed on the keypad. A ? will be displayed if an address selection above 8 has been made.

To end the Address Test, press COMMAND. The display will read:

* * TEST END * *

Connect the yellow and green keypad wires to the rest of the system. Press COMMAND and the keypad will begin normal operation.

OTHER DIAGNOSTICS

If at any time during normal operation a keypad cannot detect polling from the control panel on the green keypad wire, the display will read:

SERVICE REQUIRED

This indicates the green wire may be broken or the control may be inoperative.

If at any time during normal operation a keypad detects polling but its particular address is not being polled, the display will read:

NON-POLLED ADDR.

Check the address selection on the keypad or the number of keypad addresses assigned during system programming.

AC LED

The Models 730A, 730R, 740A, 740R, 750A and 750R provide an LED to indicate the condition of the AC power source. This indication is a real time display when the Command Processor is running. The LED will be off while the Command Processor is reset.

DOOR STRIKE RELAY

The Models 730R, 740R and 750R provide one relay output for door strike. The operation of the relay is described in the users manual provided with each Model 1712 or 1812 Command Processor. A two position terminal strip provides for connection to the normally open and common contacts of the relay. The contacts are rated at 3 amps at 120 VAC or 30 VDC.

SURFACE MOUNTING

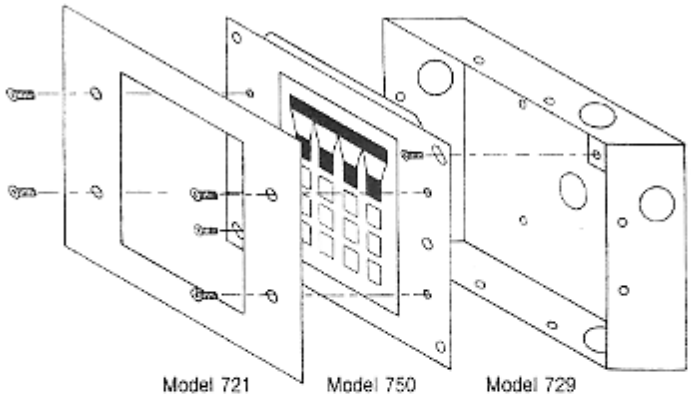
The Model 730 and 740 Security Command back plates provide 2 holes on 3¼" centers for mounting to a standard single gang conduit box or directly to the wall.

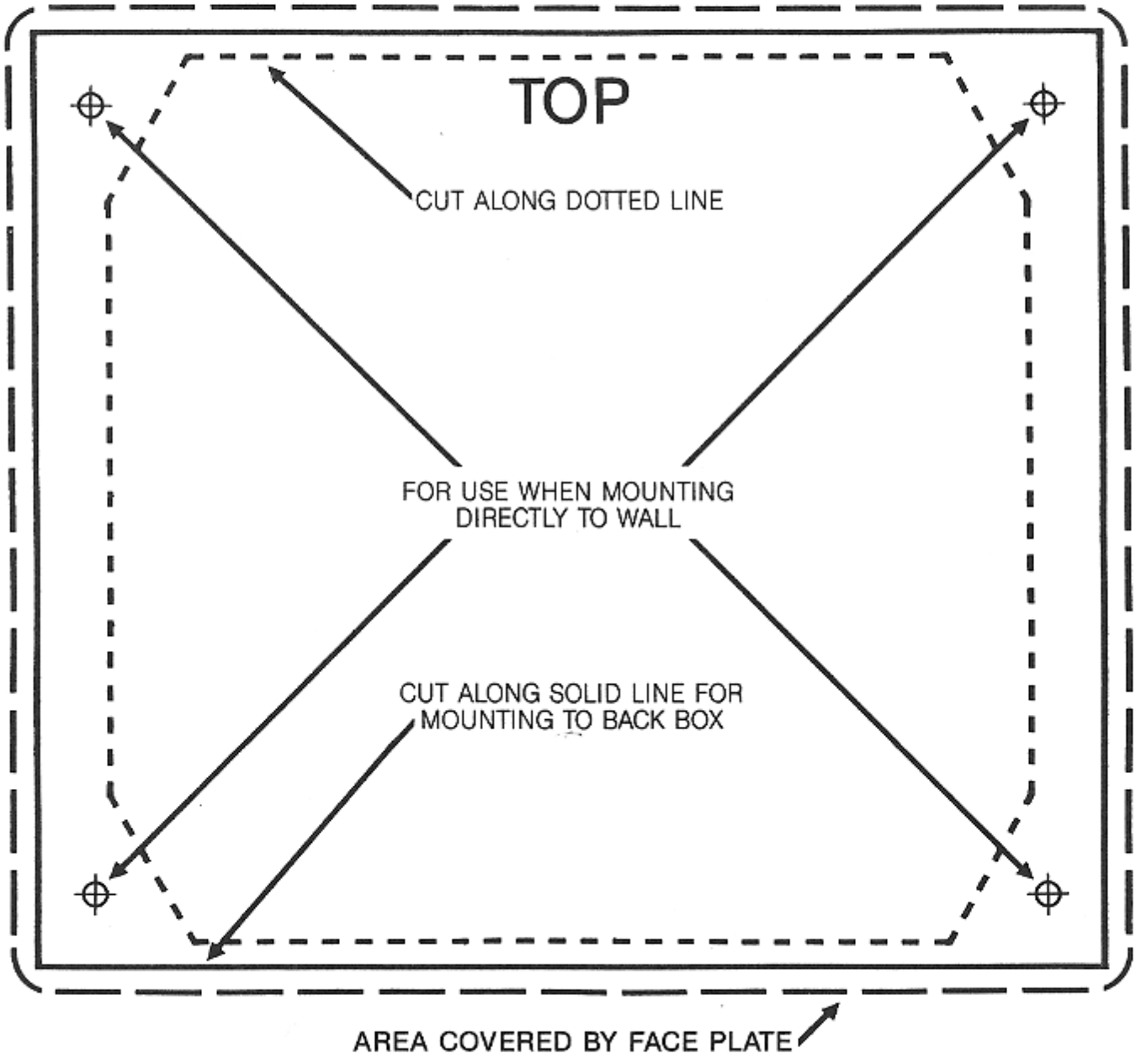
FLUSH MOUNTING

The Model 750 flush mount Security Command may be mounted directly to the wall or to the Model 729 back box. If mounting directly to the wall, cut an area along the dotted line (- - -) to allow for the keypad circuit board. The circuit board is 1½" deep. The four holes on the diagram are used to mount the keypad with the #6 screws provided.

If mounting to the Model 729 back box, cut an area along the solid line to allow for insertion of the back box. The back box is 2" deep. The Model 750 keypad is then mounted to the back box with the two 4-40 screws provided.

In either case, the outside dashed line (— —) is the area covered by the Model 721 or 722 face plate. Care must be taken to avoid cutting a hole larger than the area covered by the face plate.





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