

Description

The DMP 670-A and 770-A Security Command keypads provide an attractive, user friendly control with optional 2-button Panic keys for use with DMP Command Processor™ panels. Each keypad also provides supervised or unsupervised operation, an easy to read 16 character fluorescent blue display, AC LED, backlit keyboard, low profile styling, and six designer colors to compliment a variety of room decors.

Security Command keypads operate on 6 to 16 VDC at 100mA with an unlit display. Current increases to 125mA with the display lit. Keypads can be installed on individual wiring runs of up to 500' using 22 gauge wire or up to 1,000' using 18 gauge wire.

2-Button Panic Keys

The Panic key function of the 670-A and 770-A keypads lets users easily send a Panic, Emergency, or Fire report to the central station from DMP panels. The user must press and hold the appropriate two Select keys for two seconds until a beep from the keypad is heard. At the beep, the panel sends an alarm report to the central station with the following loop numbers: 19 - **Panic**, 29 - non-medical **Emergency**, and 39 - **Fire**. Version 111 or higher firmware is required in 1912XR panels for this feature.

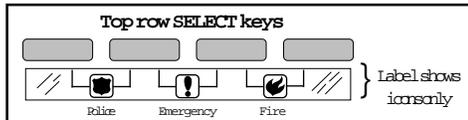


Figure 1: Panic key label placement

The Panic key function is active as soon as you apply power to the keypad. No additional loop programming is necessary. If the system owner intends to use the Panic keys, install the supplied icon label below the top row of Select keys. See Figure 1.

To disable the 2-Button Panic keys and 7/0 Panic feature (see 7/0 Panic below), cut the jumper labeled "**CUT JUMPER TO DISABLE 7/0 PANIC BUTTONS J3**" on the right side of the keypad circuit board.

Unsupervised Operation

Both keypads also allow you to select unsupervised addresses and connect multiple keypads to any of the panel's available keypad addresses. This feature is recommended for the 670-A only and greatly expands the number of keypads that can be installed to give users the maximum flexibility in operating their system. The unsupervised operation works on all DMP 1512 and 1912 Command Processor panels and 1912XR panels with firmware version 111.

Address Programming

Use the slide switches numbered 1, 2, and 3 on the left side of the circuit board to set the keypad to one of the panel's eight available addresses. See Figure 2. Place slide switch number 4 in the down position for supervised operation and in the up position for unsupervised operation. Multiple unsupervised keypads can be assigned to the same address.

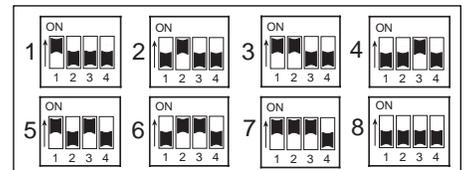


Figure 2: Supervised keypad addresses

7/0 Panic

The 670-A and 770-A Security Command keypads also provide users with an additional panic feature by programming the first loop on the assigned address as a Panic loop. A user pressing the **7** and **0** keys simultaneously shorts the loop and allows the panel to send a Panic report to the central station. The loop returns to normal when they release the keys. When using the 770-A keypad, place a 1K Ω resistor on loop 1 to provide a normal loop condition.

Harness Color Code

Wiring to Panel

Red - Auxiliary Power
Yellow - Data Transmit
Green - Data Receive
Black - Ground

770-A Loops Wiring

White/Brown - Loop 1
White/Red - Loop 2
White/Orange - Loop 3
White/Yellow - Loop 4

Self-Test Diagnostics

The 670-A and 770-A keypads allow you to test all system keypad functions. To test the keypads:

- Disconnect the red (+12 VDC), yellow, and green keypad wires from the panel.
- Twist the yellow and green keypad wires together. Reconnect the red wire to the panel.

The keypad display shows: **TEST PROCEDURE**.

TEST 1 DISPLAY TEST

This test begins immediately and scrolls a series of characters across the display allowing you to visually inspect each display segment.

To go to the next test, press the COMMAND key. To repeat a test, press the ARROW key.

TEST 2 KEY TEST

This allows you to check each key for proper operation. The display shows: **PRESS KEY—**. As you press and hold each key, its name is displayed.

TEST 3 LOOP TEST (Not available on the 670-A keypad)

This allows you to check each keypad loop for proper operation. The display shows: **L1 L2 L3 L4**.

Following each loop number is the status of the loop. (**O**) = Open, (**-**) = OKAY, and (**S**) = Short.

TEST 4 FUNCTION TEST

This allows you to check the AC LED and keypad tone for proper operation. The display reads: **LED RLY TONE**. To test each function, press the select key beneath its name. The keyboard backlight turns off during this test. The **RLY** (relay) function is not available on 670-A and 770-A keypads.

TEST 5 ADDRESS TEST

This test displays the address selection of the keypad. The display **ADDRESS 2 U** indicates the keypad being tested is set to address 2 and is also unsupervised. Supervised keypads show only the address number. A "?" (question mark) is displayed if an address selection above 8 has been made. To end the Address Test, press COMMAND. The display reads: **** TEST END ****.

Reconnecting the keypad wiring

Disconnect the red wire from the panel. Separate the yellow and green keypad wires and reconnect them to the panel. Connect the red wire to the panel. Press COMMAND to start the keypad's normal operation.

Additional Diagnostics

If at any time during normal operation a supervised keypad cannot detect polling from the panel on the green keypad wire, the display reads: **SERVICE REQUIRED**. This indicates the green wire may be broken.

If at any time during normal operation a supervised keypad detects polling but its particular address is not being polled, the display reads: **NON-POLLED ADDR**. To clear this display, check the address selection on the keypad or the number of keypad addresses you've assigned during system programming.

Additional Power Supply

If current draw for all keypads connected to the panel exceeds the panel's output, you can provide additional current by adding an auxiliary power supply. Connect all keypad Ground (common) wires to the negative terminal of the power supply. Run a jumper wire from the power supply's negative terminal to terminal 10 of the panel. Connect all keypad power (+12 VDC) wires to the positive terminal of the power supply. Do NOT connect the positive terminal of the power supply to any terminal of the panel.

AC LED

The Model 670-A and 770-A keypads each display a green AC power LED. The LED is off when AC power to the panel has been interrupted or while the panel is resetting.