

FW721(C) Manual Station



DESCRIPTION

The FW721(C) addressable Manual Station is a UL listed component according to UL 38 and ULC S528 for Fire Protective Signaling Systems for indoor use. It is a normally open initiating device made from durable materials and solid parts for long lasting performance.

In case of fire, an alarm signal is generated by lifting the cover and pushing the button. A red LED is visible on the station when the fire alarm signal is activated. A switch key (included) can reset the station.

ATTENTION



The products must be installed in accordance with the National Electrical Code NFPA 70, the National Fire Alarm Code NFPA 72, the Canadian codes CAN/ULC- S524 (Installation of Fire Alarm Systems), and CSA C22.1 Sec. 32 (Canadian Electrical Code), local codes, and the Local Authorities Having Jurisdiction. Prior to installing bases, make sure the product will have sufficient margin and wiring room. Do not over tighten the mounting screws to avoid base deformation, which may affect the detector efficiency. Check information of equipment used in the system by other manufacturers for any guidelines or restrictions.

The product must be used within its published specifications and properly installed, operated, and maintained, in accordance with these instructions. Not following these instructions may result in no alarm or false alarm. Maple Armor is not responsible for detectors that are improperly installed, maintained or tested.

NOTE

Do not paint this device.

Any material extrapolated from this document or from Maple Armor's instructions or other documents describing the product for use in promotional or advertising claims, or for any other use, including description of the product's application, operation, installation, and testing is the sole responsibility of the user. Maple Armor will not assume any liability for such use. In no case will Maple Armor's liability exceed the purchase price paid for a product.

SPECIFICATION

Nominal Voltage	24VDC
Voltage Range	15 to 28VDC
Standby Current	0.1mA
Alarm Current	1mA
Operating Temperature	32°F to 120°F (0°C to 49°C)
Operating Humidity	0% to 85% RH
Housing Color	Red with a window cover
Dimension (with base)	120 mm (L) x 120 mm (W) x 54 mm (H)
Weight (with base)	8.4 oz (237 g)
Mounting	FW700 Base
Wiring Material	Single conductor with extruded insulation
Wiring Gauge	12 to 18 AWG

INSTALLATION

1. Mount the FW700 base onto a 2X4 or 4x4 electrical box using the screws provided, as illustrated in Figure 1.

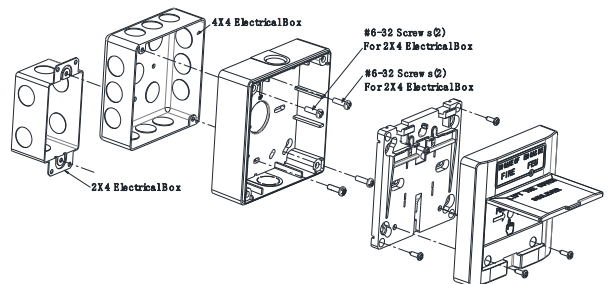
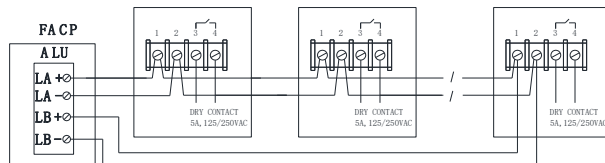


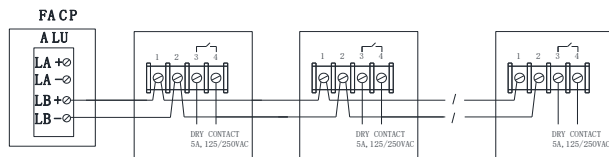
Figure 1. Manual Station Installation

Installation, Continued

2. Push the unit into the cover with the spring until it snaps into place.
3. Combine the Printed Circuit Board (PCB) fixed structure and the box cover.
4. Set the address (1-252) using the hand-held programmer ReadWritor FW411. Refer to the FW411 manual for more details.
5. Connect the wires, see Figure 2. There is no polarity distinction between terminal 1 and terminal 2.



(a) Class A Circuit



(b) Class B Circuit

Figure 2. Wiring Diagram

6. Combine the assembled unit to the base using the screws provided.
7. Apply power to the control unit.

TESTING

1. Before testing, inform the proper authorities that the system is undergoing maintenance and will temporarily be put out of service. Disable the system to prevent unwanted alarms.
2. Make sure the indicator LED on the detector's surface is flashing. Failure to flash indicates a non-functioning detector or a faulty wiring. Check the wiring and remount the detector.
3. Push the "PUSH HERE" button to activate a fire alarm signal. The LED should turn to steady lighting. Use the key provided to reset the switch from the bottom of the station.
4. Once the testing is completed, set the system back to normal operation and inform proper authorities.

MAINTENANCE

Return the detector for reparation if it fails to flash or alarm during testing. Do not disassemble the detector without permission.