

Intelligent Manual Pull Station

FW2721, FW2722, FW2723



DESCRIPTION

The FW272X series addressable Manual Pull Stations are UL listed devices according to UL 38 and ULC-S528 for Fire Protective Signaling Systems for indoor use. They are made from durable materials and solid parts for long lasting performance.

Model FW2721 is the dual action pull station. Two actions are required to activate the alarm. PULL DOWN lever is not operable before PUSH HERE button has been pressed. The alarm LED flashes once every 4 seconds in normal standby condition, and turns steady on when alarm.

Model FW2722 is designed for two-stage applications. The first-stage alarm is activated when the PULL DOWN lever is manually triggered, while the second-stage alarm is activated when the key switch is turned to ON. There are two LEDs to indicate two stage status separately, the top one is the alarm indicator LED and the bottom one is the alert indicator LED. Both LEDs flash once every 4 seconds in normal standby condition, alert LED will turn steady on when first-stage and alarm LED will turn steady on when second-stage.

Model FW2723 is a single action pull station. Pulling PULL DOWN lever will directly trigger alarm signal. The alarm LED flashes once every 4 seconds in normal standby condition, and turns steady on when alarm.

An Allen Key (included) can reset the station. The PULL DOWN lever remains down locked until the station is reset. The pull stations also contain a group of dry contact output which can be configured as normally open or normally closed by a jumper switch.

ATTENTION



The products must be installed in accordance with the National Electrical Code NFPA 70, the National Fire Alarm and Signaling 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 device 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 devices 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.

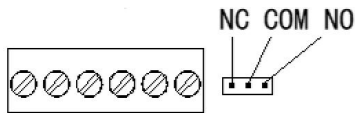
SPECIFICATION

Nominal Voltage	24VDC
Voltage Range	13 to 28VDC
Standby Current	FW2721: 0.14 mA FW2722: 0.16 mA FW2723: 0.14 mA
Alert Current *	FW2722: 0.27 mA
Alarm Current	FW2721: 0.27 mA FW2722: 0.37 mA FW2723: 0.27 mA
Dry Contact Rating	2A, 24VDC
Operating Temperature	32°F to 120°F (0°C to 49°C)
Operating Humidity	0% to 93% RH Non-condensing
Dimension (with base)	95 mm (L) x 130 mm (W) x 63.5 mm (H)
Weight (with base)	11.3 oz (320 g)
Wiring Gauge	12 to 18 AWG
Compatible FACP	FW105, FW106, FW106S, FW2105

* Only applicable for FW2722

INSTALLATION

1. Set the dry contact - Putting the jumper to NC and C to set the dry contact as Normally Closed. Putting the jumper to NO and C to set the dry contact as Normally Open.



2. Set the address (1-252) using the hand-held programmer model FW241.
3. Mount the station onto a 2X4" or 4x4" electrical box, as illustrated in Figure 1.

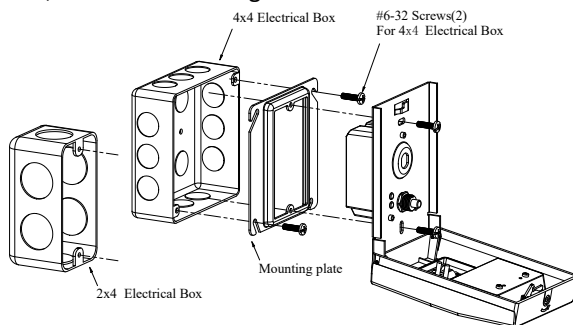


Figure 1. Pull Station Installation

4. Close the front housing.
5. Connect the wires, see Figure 2. SLC wires are polarity insensitive.

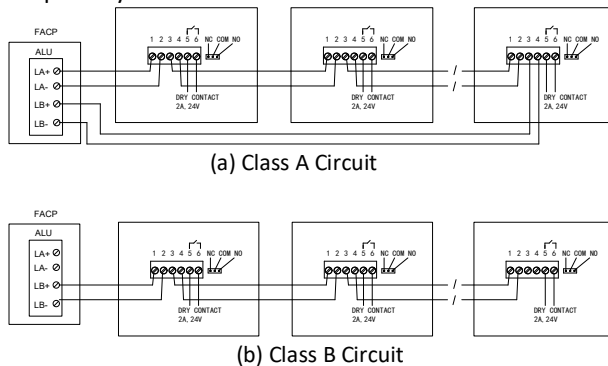


Figure 2. Wiring Diagram

6. Apply power to the control unit to activate the SLC.

TESTING

1. Before testing, inform the proper authorities that the system is undergoing maintenance and will temporarily be put out of service.
2. Disable the system to prevent unwanted alarms.
3. Make sure the indicator LED on the device's surface is flashing. Failure to flash indicates a non-functioning device or a faulty wiring. Check the wiring and remount the device.
4. Activate a fire alarm signal. The LED should turn to steady lighting as specified in DESCRIPTION section.
5. Use the Allen Key provided to reset the switch from the top of the station.
6. Once the testing is completed, set the system back to normal operation and inform proper authorities.

MAINTENANCE

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