

MMPS

PULL STATION

SAFETY MESSAGE TO INSTALLERS

People's lives depend on your safe installation of our products. It is important to read, understand and follow all instructions shipped with this product. In addition, listed below are some other important safety instructions and precautions you should follow:

- This unit should be installed by a qualified electrician in accordance with NFPA 72, and national and local Electrical and Fire Codes, under the direction of the authority having jurisdiction.
- If the unit is not installed in a supervisory system, it must be tested at regular intervals. Refer to NFPA 72 chapter 7 and the local Fire Codes for this information.
- After installation and testing are complete, provide a copy of this manual to all personnel responsible for routine testing and maintenance of this equipment.

Failure to follow all safety precautions and instructions may result in property damage, serious injury or death to you or others.

A. GENERAL.

Model MMPS pull stations are Underwriters Laboratories listed for "Fire Protective Signalling Use" (category designation UNIU) accommodating a 24 Vdc initiating circuit. The unit measures 3.5" wide x 5.3" long x 1.5" depth. Model MMPS (Modular Manual Pull Station) comprises a versatile pull station design capable of adding a variety of optional modular features to the basic station described within this manual.

Optional Underwriter's Laboratories listed features that may be added are:

- up to 3 auxiliary switches for alternate system functions
- dual action protective shield with braille indicators
- auxiliary switch module for alternate user-defined service
- visual 24v red/green LED status indicators
- local audible sounder module (NOT intended for evacuation purposes) powered by an on-board 9v battery
- side access internal Fireman's jack
- visual & audibles can be set by optional shield activation or pullbar activation switch module placement
- institutional alarm follower permitting a 2-stage activation, only allowing the initiating circuit to be activated with a key
- Tornado, Evac or custom nameplates

A full description/listing of the installation of these features may be found in CPG installation manual #IISMMP02A.

The basic stations described herein are switch activated units are designed to initiate an electronic warning signal when the ergonomically inclined pull bar (marked "PULL DOWN") is manually pulled downward. All stations meet the Americans with Disabilities Act (ADA) requirement of a maximum pull force of less than 5 lbs. Braille indicators both across the front face (indicating "emergency alarm") and also upon the pullbar ("pull down") are evident for the visually impaired. Upon activation the pullbar area will display "ACTIVATED" for easy recognition of activated stations within the premises (ref. fig. 1).

The pull station accommodates field input by means of internal terminals capable of handling a maximum of 2 x 14 awg wires each. The stations are manufactured of a high-impact glass reinforced resin cover for impact strength & general appearance. If the need arises, the cover is also field replaceable by means of the baseplate's flexible hinge pivoting arms. The units are designed having a flush rear face for surface wall mounting if desired. All stations are equipped with a key lock cylinder (2 keys provided), accessible from the front cover that will open the unit from the front face (CCW rotation) or reset the station without opening it (CW rotation). (ref. fig. 1). Electrical activation is accomplished by a microswitch module (normally open) mounted on the baseplate. Contact your distributor or the factory for a replacement module kit if your system requires a normally closed activation

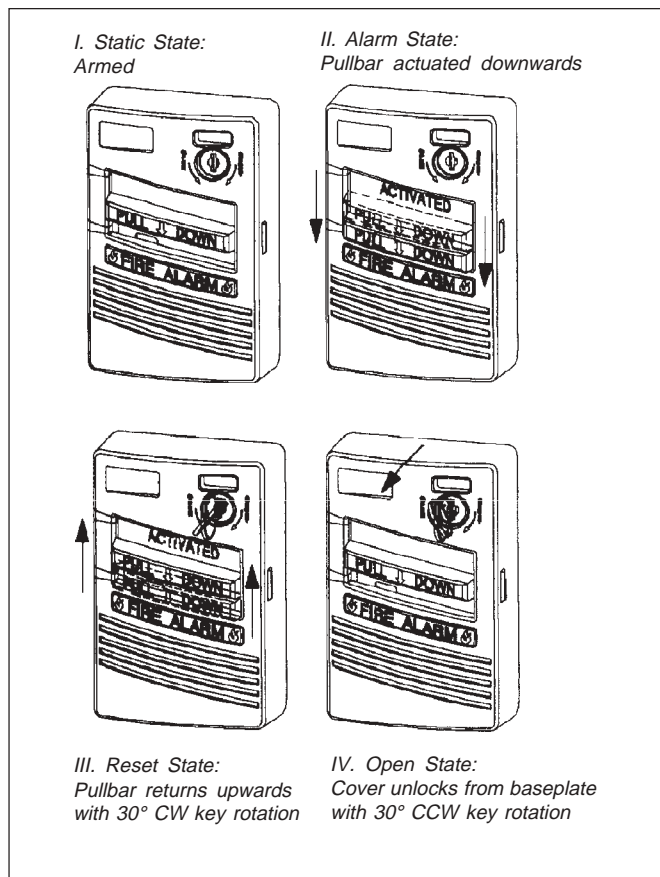


Figure 1: Model MMPS Basic Station States

switch.

B. INSTALLATION.

1. Unpacking.

After unpacking the pull station, examine it for damage that may have occurred in transit. If the station has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier stating the extent of the damage. Ensure that the basic station you received matches the description of it and the contents list outlined within this manual.

2. Mounting Arrangements.

To open the pull station, insert the supplied key into the lock cylinder & rotate it approximately 25° counterclockwise while carefully pulling the top portion of the cover away from the wall (this will release the vertical locking actuator from the cover). The key must then be removed from the lock cylinder to fully open the station which pivots 90° on two hinge pins at the bottom of the baseplate/cover assembly (see fig. 2).

NOTE

For ease of mounting the station, the cover may be removed from the baseplate assembly only in instances wherein the Fireman's Jack or Sounder options are NOT installed (ref. manual #IISMMP02A for a graphical description of these options). Slowly apply pressure to the cover beyond the 90° normal opening movement (see fig. 2) which will flex the two pivoting hinge arms inward allowing the cover to be removed from the baseplate. At this time install the two cover plugs at the hinge joints by pressing them in place (if the optional shield is not used). To reassemble, slide the cover's recessed hinge ramps over the baseplate's hinge pins until both are fully engaged and the cover opens at a 90° angle.

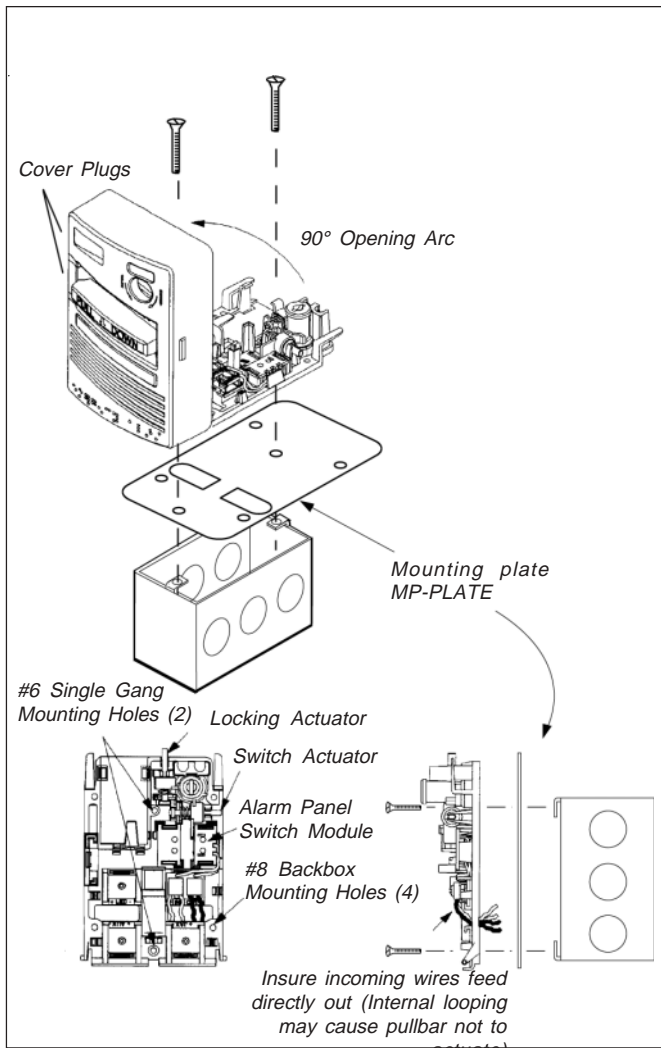


Figure 2: MMPS Basic Station Baseplate

a. Semi-flush Mounting (see figure 2).

The model MMPS pull stations are designed for mounting on an existing approved single gang electrical box or a 4 x 4 electrical box with a raised single gang plaster ring. The pull station must be installed with the included mounting plate (p/n MP-PLATE). The baseplate and the mounting plate contain two #6-32 mounting holes located along their centerlines. Place the mounting plate behind the baseplate of the pullstation, then place the two #6-32 screws through the holes and secure onto the wall box. Do not overtighten the screws as this may result in a fractured baseplate.

b. Surface Mounting (see figure 2).

The model MMPS pull stations are designed for mounting on an optional 1-1/2" deep model 4050BB backbox. Place the included mounting plate (p/n MP-PLATE) behind the pull station and use four #8-32 screws (user supplied) to secure the pull station and the mounting plate to the backbox. Do not overtighten the screws as this may result in a fractured baseplate.

3. Electrical Connections (ref. figure 3).

DANGER

To avoid electrical shock, DO NOT attempt to install the station(s) when power is on.

WARNINGS

Property damage, serious injury, or death in the protected premises may occur if wiring is improperly terminated. For proper warning system operation, ensure that the wires to the pull stations are properly terminated.

An uninsulated section of a single conductor MUST NOT be looped around a terminal and used as two separate connections. NFPA 72 requires that the wire is severed to provide

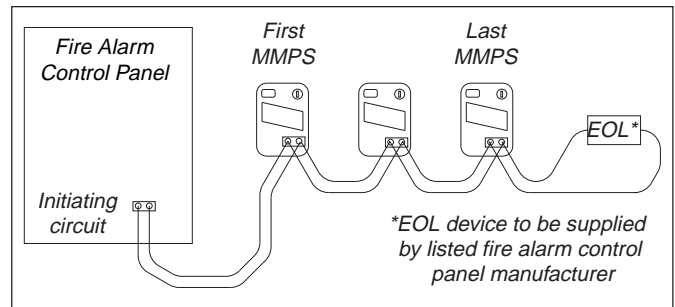


Figure 3: Basic MMPS Alarm Circuit

electrical supervision of the connection.

The maximum size field wiring leads the station will accommodate is 14 AWG.

See figure 2. Two circuit board mounted terminals are mounted on the baseplate of the pull station for electrical connections under the note "INIT CKT" (initializing circuit). Strip 3/8" of insulation from all incoming wiring leads. Attach the appropriate wires to the corresponding terminals of the initializing circuit board. Securely tighten both of the binding screws to firmly capture the wires within the clamping feature of the terminals.

WARNING

Property damage, serious injury or death could occur in the protected premises if you do not follow the correct closing procedure. Before closing the station, ensure that all of the incoming wires are not looped internally such that they may interfere with the basic internal mechanisms (or options installed) and closing of the station. Wiring from all terminals should lead directly from the terminals out towards the rear of the station. (ref. fig. 2).

C. TEST AFTER INSTALLATION.

Check for proper operation of all pull stations installed in your system. The stations pullbar should fully travel downwards approximately 3/8", lock in place showing the "ACTIVATED" signage, and complete (close) the circuit to the alarm panel. Resetting of the station is accomplished (with the station closed) by inserting the key in the lock cylinder & rotating the key approximately 30° clockwise, releasing the switch actuator which holds the pullbar in the activated state. Rotate the key back to its original state (12:00 o'clock position) to remove it from the station (ref. fig. 1).

D. MAINTENANCE/SERVICE.

NOTE

A copy of this installation sheet must be given to all personnel responsible for routine testing and maintenance of this equipment.

The factory will service this unit or provide technical assistance with any problem that cannot be handled locally with satisfaction or promptness. If any unit is returned to the factory for repair, it can be accepted only if we are notified by mail or phone in advance of its arrival. Such notice should clearly indicate the service requested and give all pertinent information regarding the nature of the problem and, if possible, its cause.

Communications and shipments should be addressed to the following:

Technical Service Department
Commercial Products Group
2519 - 4th Avenue
Moline, IL 61265
800.521.8219 • FAX 800.225.4109

E. CONTENTS LIST.

Qty.	Description
1	Model MMPS Pull Station
2	Lock cylinder keys
2	#6-32 Mounting Screws
2	Cover plugs
1	Mounting Plate
1	Installation Instructions