



# MPS-800(U) Series Fire Alarm Manual Station

Mircom's MPS-800(U) Series Fire Alarm Manual Stations provide manual fire alarm activation.

## This guide covers these models:

MPS-810 Single Stage, Dual Action, Conventional Manual Station

MPS-810U Single Stage, Dual Action, Conventional Manual Station (US)

MPS-810U-EN: Single Stage, Dual Action, Conventional Manual Station with Fire Bezel (US)

MPS-802 Two Stage, Dual Action, Conventional Manual Station

## Specifications & Dimensions

Compatible with Mircom Fire Alarm Control Panels

**Electrical Rating:** 1 A at 30 VDC

### Dimensions:

139 mm H x 104 mm W x 34 mm D  
(5 1/2" H x 4 1/8" W x 1 3/8" D)

### Notes

- Environment: Outdoor, wet
- Do not change factory applied finishes.
- Wire as shown so that supervision of connections is maintained.
- Maximum wire size: 14 AWG
- ADA compliant.
- To be installed per ADA 4.27.1 to 4.27.4 inclusive.
- Wiring must be in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, Section 32 and CAN/ULC-S524, Standard for Installation of Fire Alarm Systems.
- All manual fire alarm stations shall be installed as per the specific requirements outlined in the UL/ULC codes, as well as all other applicable national or local codes. Final acceptance is subject to the local authority having jurisdiction.
- These devices may be operated with a blunt hand (no use of fingers) and do not require a striking action, tight grasping, pinching, or twisting of the wrist. The force required to actuate the devices is less than 22 N (5 lbf).

## Install the manual station

### Contents of kit

MPS-810, MPS-810U, MPS-810U-EN: 2 mounting screws, 2 reset keys (black)

MPS-802: 2 mounting screws, 2 reset keys (black), 2 stage two keys

### A. Open

1. Insert the reset key into the reset keyhole and turn it.
2. Pull the cover open.

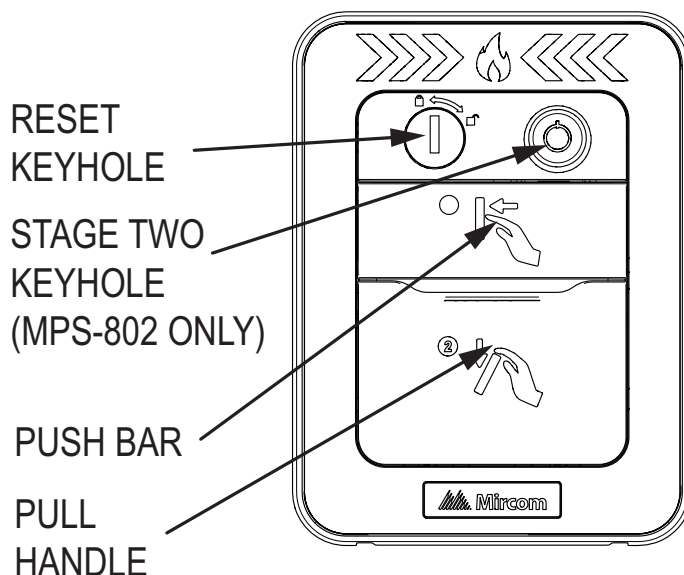


Figure 1 Front of manual station

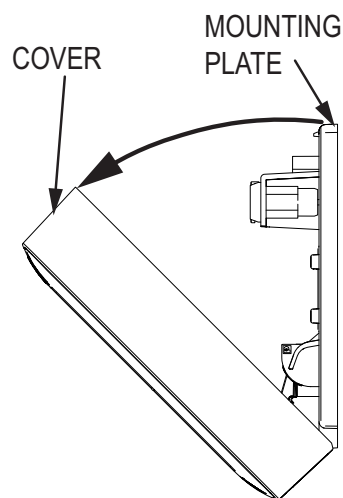


Figure 2 Opening the station

Canada  
25 Interchange Way  
Vaughan, ON L4K 5W3  
Tel: 1-888-647-2665

U.S.A  
4575 Witmer Industrial Estates  
Niagara Falls, NY 14305  
Tel: 1-888-647-2665

### B. Wire

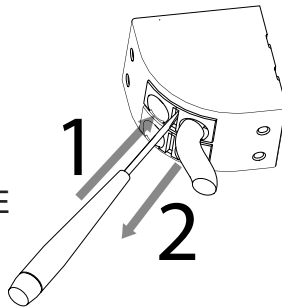
**Note:** The maximum wire size is 14 AWG.

1. Strip wires to 10 mm (25/64") maximum.
2. Push the wire into the terminal.

**Note:** The terminals have a push-in lock. To remove the wire, push the terminal in with the screwdriver and pull out the wire at the same time. See Figure 3.

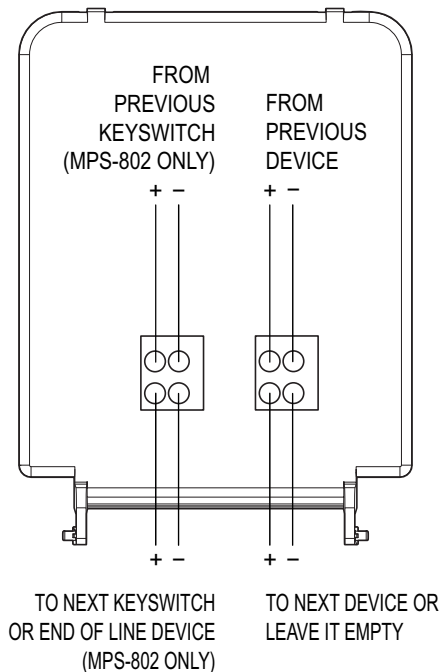
TO REMOVE WIRE:

- 1) PLACE A SMALL FLATHEAD SCREWDRIVER INTO THE GROOVE AND PUSH IN.
- AT THE SAME TIME:
- 2) PULL THE WIRE OUT OF THE TERMINAL.



**Figure 3 Removing the wire**

3. Wire as shown in Figure 4.



**Figure 4 Wiring**

### C. Mount

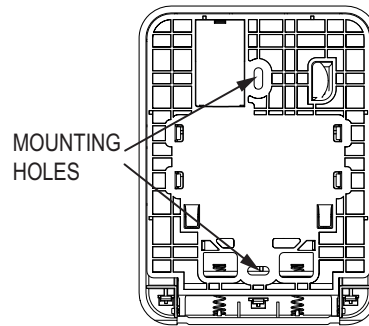
Flush mount indoor: Single-gang electrical box.

Flush mount outdoor: Single-gang electrical box with STI-1250 (Shallow Cover with Gasket)

Surface mount indoor: BB-800 backbox with or without STI-1230 (Deep Cover without Gasket)

Surface mount outdoor: BB-800 backbox with STI-3150 (Deep Cover with Gasket)

**Note:** Mount the manual station with the Mircom logo on the bottom.



**Figure 5 Back of manual station**

## Using the manual station

### Activate the alarm

1. Push in the push bar.
2. Pull down the pull handle.

A qualified person must reset the station by opening it with the reset key. See **Reset the manual station** below.

### Activate the stage two alarm (MPS-802)

- Insert the stage two key into the stage two keyhole, and then turn the key.

The stage two alarm activates immediately.

**Note:** The stage two alarm will activate automatically a certain amount of time after the handle has been pulled if no action is taken. This time is set in the Fire Alarm Control Panel.

### Reset the manual station

**Note:** Resetting the station does not cancel the alarm at the panel.

1. Insert the reset key into the reset keyhole and turn it.
2. Pull the cover open. The switch is now reset.
3. Close and lock the station with the reset key.
4. Reset the Fire Alarm Control Panel to reset the alarm.