

Mircom's MS-700AP(U) Series Fire Alarm Manual Stations provide manual fire alarm activation. These high quality, die-cast metal stations are available as single or dual-action devices. Each station has a permanently attached AP addressable module, which has a pair of dials for setting the address.

### Specifications & Dimensions

Compatible with Mircom Fire Alarm Control Panels

#### Electrical Rating:

MS-702AP	MS-710AP(U)
Nominal Operating Voltage: 15-32 VDC	Nominal Operating Voltage: 15-32 VDC
Maximum alarm current @ 24V: 5.4 mA	Maximum alarm current @ 24V: 600 µA
Average operating current @ 24V: 600 µA	Average operating current @ 24V: 400 µA

#### Dimensions:

MS-702AP: 4.93" H x 3.56" W x 2.56" D

MS-710AP(U): 4.93" H x 3.56" W x 2.9" D

#### Notes

- Wire as shown so that supervision of connections is maintained.
- Maximum wire size: 12 AWG
- ADA compliant.
- To be installed per ADA 4.27.1 to 4.27.4 inclusive.
- 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.

#### Converting Double Action Manual Stations to Single Action (MS-710AP(U) only):



1. Using a reset key, unlock and open the manual station.
2. Remove the smaller two screws and accompanying brackets fastening the PUSH bar.
3. Hold the manual station vertically with one hand with the keyhole at the bottom. Tilt the manual station towards you and remove the PUSH bar.

### Installing the manual station

#### This guide covers these models:

MS-702AP Intelligent Two Stage Manual Station AP  
MS-710AP(U) Intelligent Dual Action Manual Station AP  
The suffix **U** indicates a USA version.

#### Contents of kit

MS-702AP: 4 mounting screws, 2 reset keys (black), 2 stage two keys, 1 glass rod

MS-710AP(U): 4 mounting screws, 2 reset keys (black), 1 glass rod

#### A. Wiring

**Note:** The maximum wire size is 12 AWG.

1. Connect the black (-) wire from the previous station to the terminal that is connected to the black (-) wire from the addressable module.
2. Connect the black (-) wire leading the next station to the other side of the terminal that is connected to the black (-) wire from the addressable module.

**Note:** The wires must be on opposite sides of the set screw. Refer to Figure 2 for the location of the wires.

3. Tighten the (-) terminal.
4. Connect the red (+) wire from the previous station to the terminal that is connected to the red (+) wire from the addressable module.
5. Connect the red (+) wire leading to the next station to the other side of the terminal that is connected to the red (+) wire from the addressable module.

**Note:** The wires must be on opposite sides of the set screw. Refer to Figure 2 for the location of the wires.

6. Tighten the (+) terminal.

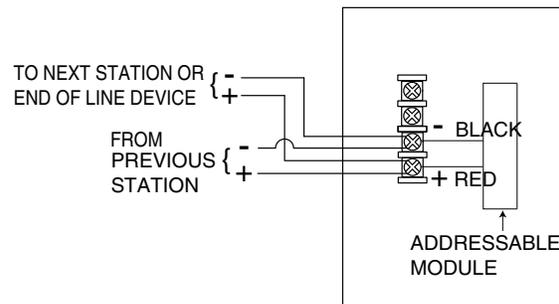


Figure 1: Wiring Diagram

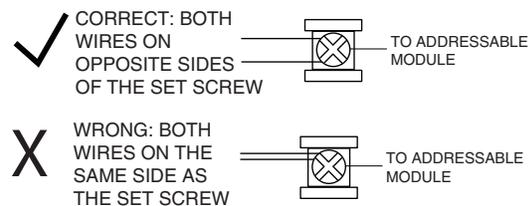


Figure 2: Close-up of terminals showing correct wiring

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Vaughan, ON L4K 5W3  
Tel: (888) 660-4655  
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U.S.A  
4575 Witmer Industrial Estates  
Niagara Falls, NY 14305  
Tel: (888) 660-4655

## B. Setting the addressable module

**Note:** MS-702AP: Pull the module out of the bracket to set the address.  
MS-710AP(U): Slide the module sideways out of the bracket to set the address.

The AP addressable module allows for an address range of 1 to 159. The TENS dial goes to 15 (unlike the CLIP module, where the TENS dial goes to 9).

**Note:** The module is set to 1 by default. For proper operation, you must change this to a different address.

The following table shows how to set the dials for some example addresses.

Address	TENS dial	ONES dial
2	0	2
21	2	1
135	13	5
150	15	0

If the dials are set to a number higher than 99, and the panel supports only CLIP, then the panel will see the device as an unrecognized device at address 0.

The **MS-710AP(U)** counts as one address, which is set by the dials on the addressable module.

The **MS-702AP** counts as two addresses. The first address represents the PULL handle, and is set by the dials on the addressable module. The second address is one number higher than the dial setting and represents the switch activated by the stage two key.

For example, if you set the dials on the MS-702AP to the address M, then M represents the PULL handle, and M+1 represents the stage two key switch.

**Note:** Because the MS-702AP counts as two addresses, always set the dial address at least 1 below the maximum value. If the panel supports only CLIP, set the address no higher than 98, and if the panel supports AP, set the address no higher than 158.

## C. Mounting

1. Open the station with the reset key.
2. Mount the station to a surface mounted box with 2 of the included screws. Refer to Figure 3.

## D. Inserting the glass rod

Inside the station, there is an opening below the white PULL handle. This is where the glass rod sits.

1. Pull down the PULL handle part way.
2. Carefully insert the glass rod into the opening below the PULL handle.
3. Move the PULL handle back to the upright position. The PULL handle should now be holding the glass rod in place.
4. Close and lock the station.

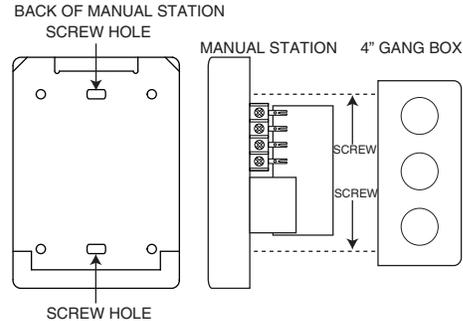


Figure 3: Mounting the manual station

## Using the manual station in case of fire

### Activating the alarm

- MS-702AP
  1. Pull down the PULL handle.
- MS-710AP(U)
  1. Push in the PUSH bar.
  2. Pull down the PULL handle.

The handle is now hanging down. A qualified person must reset the station by opening it with the reset key. See **Resetting the manual station** below.

### Activating the stage two alarm (MS-702AP only)

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

The stage two alarm activates.

**Note:** The stage two alarm will activate automatically a certain amount of time after the handle has been pulled. This time is set in the Fire Alarm Control Panel. You can prevent the stage two alarm from activating automatically by using the **Automatic Alarm Signal Timer Cancel** feature on the Fire Alarm Control Panel. Refer to the Fire Alarm Control Panel manual for instructions.

### Resetting the manual station

You use the reset key to open the station in order to reset it.

**Note:** Resetting the station does not reset the alarm.

1. Open the station with the reset key. The switch is now reset.
2. If you want to insert a glass rod, see **Inserting the glass rod** above.
3. Move the PULL handle back to its upright position.
4. Close and lock the station.
5. Reset the Fire Alarm Control Panel to reset the alarm.