



### Description

Mircom's MS-400AP Series are single action alarm manual stations that include a permanently attached intelligent module. The intelligent manual station has a pair of rotary decimal switches which allows for two digit address setting. Pulling the handle initiates the operation of the intelligent module. Resetting is accomplished by inserting a 1/8" screwdriver from the front. The handle, once pulled will remain open and cannot be reset without utilizing the screwdriver.

The MS-400AP Manual stations are constructed of durable aluminium and finished in red. An abrasion resistant label with large, raised letters provides clear legible instructions. The model MS-402AP (two stage) is similar to the MS-401AP (single stage) except it contains an additional General Alarm (G.A.) N.O. switch. For safety reasons, the G.A. switch is only accessible after the handle has been pulled. A special key is supplied with each unit. All manual stations can be easily converted from single action to double action station by the addition of the MS-DA double action lever.

Mircom's Advanced Protocol (AP) devices use a high speed communication protocol that greatly increases the speed of communication between the intelligent devices. Mircom's Advanced Protocol uses a superior group polling method as well as an interrupt feature that provide for a faster response to an alarm condition. In addition, the Advanced Protocol allows for greater system capacity with support for up to 318 devices per SLC circuit. The AP devices are backwards compatible to operate in CLIP mode for legacy system applications.

### Features

- Durable Extruded Aluminium Construction
- Attractive, Low Profile Design
- Standard Single Gang Mount
- Converts to Double Action
- Glass Rod Optional
- Permanently attached intelligent addressable module. Two stage model is equipped with an intelligent module that provides two addresses for 1<sup>st</sup> and 2<sup>nd</sup> stage operation
- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode

### Operation

Pulling on the station's handle will release the internal switch to trigger the intelligent addressable module. The MS-402AP (two stage version) also provides a key switch which is accessible after the handle has been pulled. Operation of the key switch will initiate the 2<sup>nd</sup> stage of a two stage alarm signalling system.

### Engineer Specifications

The single action manual station shall be Mircom's MS-400AP Series. Operating instructions shall be in raised English and French lettering and the unit shall be constructed of extruded aluminium, finished in red enamel paint to provide quick identification. Pulling the handle shall initiate immediate operation of the intelligent module. In addition, those stations installed in a two stage system shall come equipped with an internal key switch designed to operate the 2<sup>nd</sup> stage alarm initiating circuit. All manual fire alarm stations shall be installed as per the specific requirements outlined in the ULC codes, as well as all other applicable national or local codes.



S7005

**CATALOG NUMBER 5955**

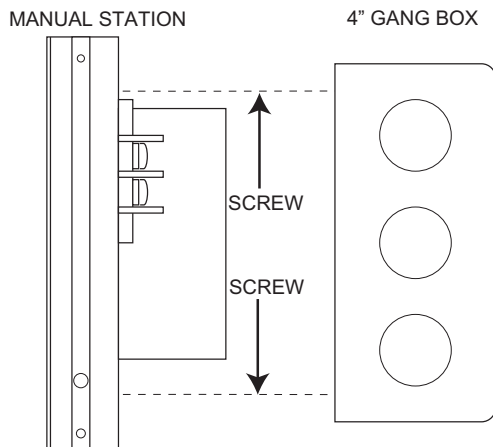
NOT TO BE USED FOR INSTALLATION PURPOSES.

Mircom reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.

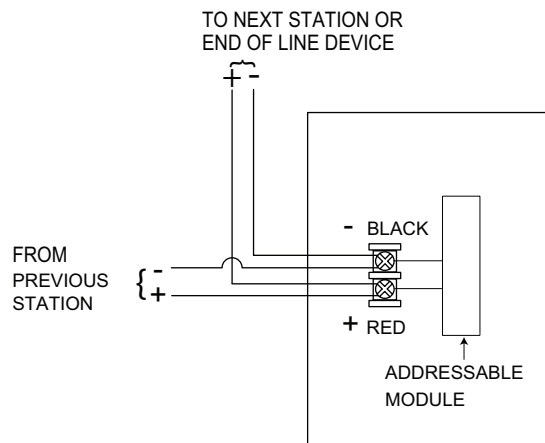
## Specifications

| Model                           | MS-401AP                | MS-402AP                  |
|---------------------------------|-------------------------|---------------------------|
| Dimensions                      | 4.55" H x 3.3" W x 2" D | 4.55" H x 3.3" W x 2.1" D |
| Nominal Operating Voltage       | 15–32 VDC               | 15–32 VDC                 |
| Maximum Alarm Current @ 24V     | 600 $\mu$ A             | 5.4 mA                    |
| Average Operating Current @ 24V | 400 $\mu$ A             | 600 $\mu$ A               |

## Mounting Diagram



## Wiring Diagram



## Ordering Information

| Model    | Description   |
|----------|---|
| MS-401AP | Advanced Protocol Intelligent Single Stage Manual Station                 |
| MS-402AP | Advanced Protocol Intelligent Two Stage Manual Station                    |
| MS-DA    | Double Action Lever Kit (converts any of above to double action stations) |

NOT TO BE USED FOR INSTALLATION PURPOSES.



### Canada

25 Interchange Way  
Vaughan, Ontario L4K 5W3  
Telephone: (905) 660-4655  
Fax: (905) 660-4113

### U.S.A.

4575 Witmer Industrial Estates  
Niagara Falls, NY 14305  
Toll Free: (888) 660-4655  
Fax Toll Free: (888) 660-4113

Web page: <http://www.mircom.com> Email: [mail@mircom.com](mailto:mail@mircom.com)

Distributed by:

ISO 9001:2008  
REGISTERED



CAT. 5955  
Rev. 0