



### Description

Attractive and durable, Mircom's MS-400 Series of pull stations provide manual fire reporting. The MS-400 series pull stations are non-coded, single or double action devices which initiate an alarm when pulled. Resetting is accomplished by inserting a 11/8" screwdriver from the front. The handle, once pulled will remain open and cannot be reset without utilizing the screwdriver.

The MS-400 Pull 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-402 (two stage) is similar to the MS-401 (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.

The model MS-405 is similar to the MS-401 except it has an additional N.O. switch. The model MS-406 is similar to the MS-402 except it has an additional N.O. switch. The model MS-407 is similar to the MS-401 except it has an additional N.C. switch. The model MS-408 is similar to the MS-402 except it has an additional N.C. switch.

### Features

- ULC & UL Listed
- Durable Extruded Aluminium Construction
- Attractive, Low Profile Design
- Standard Single Gang Mount
- Converts to Double Action
- Glass Rod Optional (one provided)

All pull stations can be easily converted from single action to double action station by the addition of the MS-DA double action lever.

### Operation

Pulling on the station's handle will release the internal switch to trigger the alarm detection circuit.

The MS-402, MS-406 and MS-408 (two stage versions) also provide a key switch which is accessible after the handle has been pulled. Operation of the key switch, when connected to a separate general alarm circuit, will initiate the 2nd stage of a two stage alarm signalling system.

### Specifications

The single action pull station shall be Mircom's MS-400 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 alarm detection circuit. In addition, those stations installed in a two stage system shall come equipped with an internal key switch designed to operate the 2nd stage alarm initiating circuit. All manual fire alarm stations shall be installed as per the specific requirements outlined in the ULC or UL codes, as well as all other applicable national or local codes.





### Description

Attractive and durable, Mircom's MS-500 Series Pull Stations provide manual fire reporting. The MS-500 Series Pull Stations are non-coded, single or double action devices which initiate an alarm when pulled.

### Specifications

The single action Pull Station shall be Mircom's MS-500 Series. Operating instructions shall be in raised English 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 alarm detection circuit. Resetting is accomplished by repositioning the handle and re-locking the key-lock. All MS-500 Series Pull Stations come equipped with the universal CAT-30 Key.

The MS-502 (two stage) is similar to the MS-501 (single stage) except for 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.

### Features

- Durable Extruded Aluminium Construction
- Attractive, Low Profile Design
- Standard Single Gang Mount
- Converts to Double Action
- Glass Rod Optional (one provided)

All pull stations can be easily converted from a single action to double action by the addition of the MS-DA double action lever.

### Operation

Pulling on the station handle will release the internal switch to trigger the alarm detection circuit.

The MS-502 (two stage) also provides a key switch which is accessible after the handle has been pulled. Operation of the key switch, when connected to a separate general alarm circuit, will initiate the 2nd stage of a two stage alarm signalling system.



## FIRE FIGHTER TELEPHONES



Canadian Model  
with Bilingual Markings



U.S.A. Model with  
English Markings

### Description

Mircom's Fire Fighter Telephones are designed to operate in conjunction with Mircom's QX-5000 Series Emergency Zoned Audio System. These telephone handsets are permanently installed throughout a building to allow Fire Fighters easy communication with the main control panel. The Fire Fighter telephone stations provide a handset behind a locked door. Equipped with a "break glass" feature, the unit can be accessed by unlocking the door or breaking the glass section. The door is clearly identified with the words "FIRE EMERGENCY TELEPHONE" using large white lettering for easy identification. The breakable glass section clearly indicates "To open use key or break glass" in order to access the unit.

In addition to the Fire Fighter telephone stations, Mircom provides portable Fire Fighter telephone handsets which plug-in to permanently installed telephone jacks throughout the building. Plugging in the portable handset allows the Fire Fighters to communicate with the main control panel. As with the permanently installed telephones, these portable handsets are made from durable ABS plastic and come equipped with a coiled cord and a male phone plug which plugs into the Fire Fighters' telephone jack. In addition, an optional handset storage cabinet is available to store up to six portable handsets. An optional flush trim ring is available for the storage cabinet.

### Features

- Heavy-duty construction
- Red finish
- Flush or surface mount
- Key-locked door
- Break glass insert
- Rugged ABS plastic handset with coiled cord
- Portable handsets and telephone jacks (optional)
- Optional storage cabinet for portable handsets
- Bilingual French/English Markings on Canadian models
- Supervised wiring

### Operation

The Fire Fighter Telephone handset rests on a cradle inside the enclosure. Lifting the remote handset from the cradle causes a buzzer to sound and lights a "Common Call" indicator or a zone indicator, if provided, at the Emergency Voice Evacuation panel, while the caller hears a steady tone indicating that a call is being made.

The portable handsets plug-in to the Fire Fighters' telephone jacks which are located throughout the building. Plugging in a portable telephone handset causes a buzzer to sound and lights a "Common Call" indicator or a zone indicator, if provided, at the Emergency Voice Evacuation panel, while the caller hears a steady tone indicating that a call is being made.

### Engineer Specifications

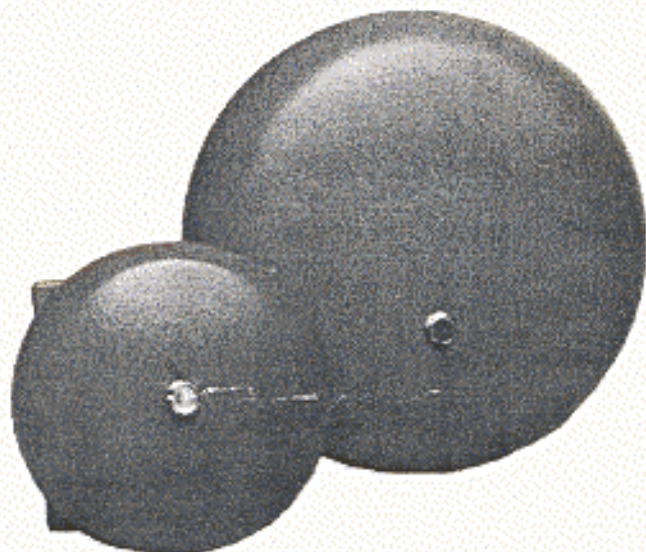
The remote telephone stations shall consist of a model FT-300 Telephone Chassis Assembly complete with a BB-330 backbox and TC-330 Flush Mount Enclosure Cover with lock and break glass insert or a TC-331 Surface Mount Enclosure Cover with lock and break glass insert. The telephone unit shall be made of red ABS plastic and be equipped with a coiled cord. The backbox and enclosure cover shall be finished in red enamel. The door shall bear a handset symbol and the words "FIRE FIGHTERS' TELEPHONE" and breakable glass "TO OPEN, USE KEY OR BREAK GLASS". Lifting the handset shall automatically identify and announce a call at the Emergency Voice Evacuation panel. A ring signal tone shall be heard in the handset until the call has been answered.



CATALOGUE NUMBER 5801

NOT TO BE USED FOR INSTALLATION PURPOSES.

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### Description

Mircom's Series MB motor bells provide a better engineered motor bell for fire and life safety alarm systems. The features of the Mircom Series MB bell line, include higher dBA, low current draw, built-in trimplate for semi-flush mounting, low frequency aluminum shells, and low RFI noise. The motor for Series MB bells is a durable, high torque, permanent magnet motor selected for its high performance and long life.

The Series MB motor bells are offered in 6" and 10" shell sizes in both 12 and 24 VDC models.

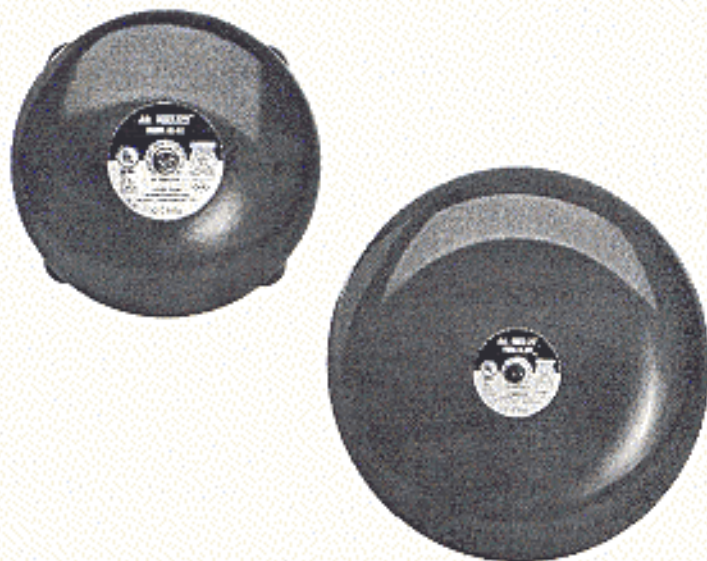
### Standard Features

- ULC Approved.
- High sound output with low current draw.
- Low frequency aluminum shells for better audibility through walls, doors, and other structures
- Both 6" and 10" shell sizes in 12 or 24 VDC models
- Integral RFI suppression to minimize induced noise on the alarm lines
- Mounting options for surface, semi-flush, outdoor, and concealed conduit installation
- Built-in trimplate makes semi-flush mounting more cost effective
- Screw terminals permit fast in-out field wiring of 12-18 AWG wire
- Polarized for DC supervision of notification appliance circuits (NAC)
- Operate on filtered or unfiltered DC

### Specifications

The audible signal appliances shall be Mircom Series MB vibrating Motor Bells or approved equal. They shall be ULC Listed for Fire Protective Service. Shells shall be aluminum in 6" or 10" diameter. Sound output at 10 feet shall be 92 dBA @ 10 feet. The bells shall incorporate a permanent magnet motor and provide the necessary suppression to minimize RFI. They shall include a built-in trimplate for semi-flush mounting to standard 4" square backboxes, or surface mounting to Mircom's indoor BB backbox or outdoor WBB backbox.



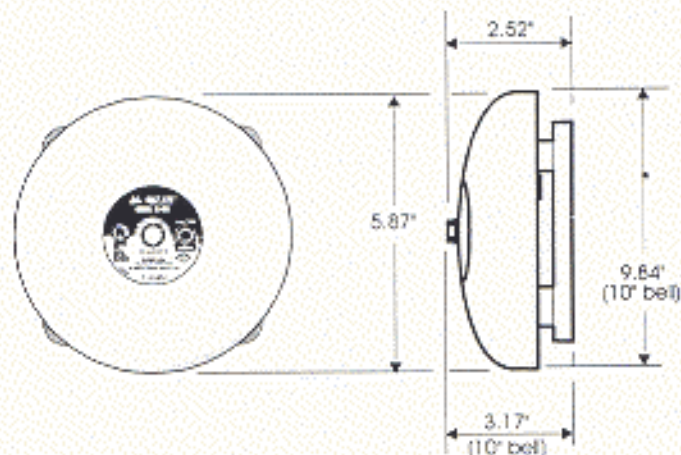

**Features**

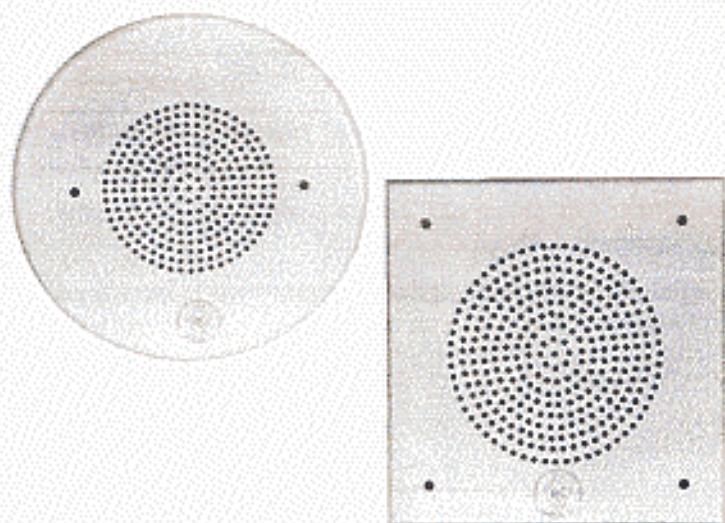
- Low current draw (15 mA)
- 6 and 10 inch diameter steel shells for long term reliability
- RFI and EMF suppression prevents noise problems to the fire alarm control panel
- Polarized for DC supervision
- Low Current requirements
- Standard 4 inch square electrical box mounting
- Red finish

**Description**

Mircom's BL-Series of motor driven bells are designed for today's fire alarm applications. The durable steel construction provides loud resonant tones necessary for fire alarm installations. The new BL-Series bells use a varistor suppression element to prevent RFI and EMF noise problems to modern fire alarm control panels.

The motor used on the BL-Series operates at a very low current (15 mA) to maximize the number of bells per circuit. A common mounting plate on both the 6 and 10 inch diameter bells facilitates interchanging bell sizes. A solid aluminium base completely houses the bell mechanism.

**Dimensions**

**CATALOGUE NUMBER 5201**
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**Features**

- 25 & 70 volt line matching transformers
- High dBA output (over 90 dBA at 10 feet @ 2 watts)
- D.C. blocking capacitor for line supervision
- Terminal block connection for speaker tap/ output selection
- Multiple output taps. Selection for ¼, ½, 1 or 2 watts
- Moisture resistant
- Fire retardant cone material
- Factory assembled and tested
- Each speaker is equipped with a ground wire
- Off white speaker baffle
- Round or square baffles

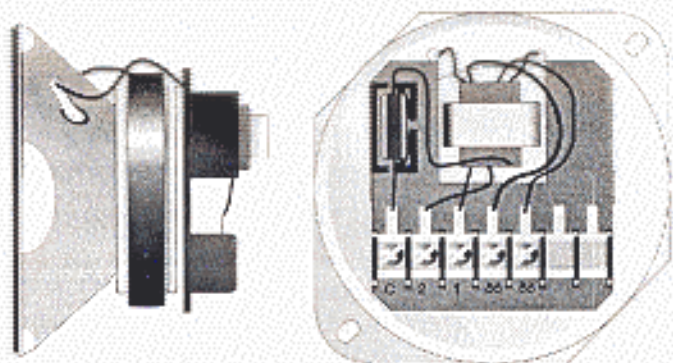
**Description**

Mircom's SP-Series 4" Speakers are designed for broadcasting high quality tone signals and are ideal for alarm signaling in hotels, malls, apartments and other areas where attractive appearance and dependable performance are prime concerns.

The SP-Series 4" Speakers consist of a loudspeaker, 6 oz. magnet, a low profile constant voltage line matching transformer, a D.C. blocking capacitor and an all steel speaker baffle finished in an off white colour. The 25 and 70 volt transformer is of the matching type and includes output power taps of ¼, ½, 1 and 2 watt. Tap selection is easy by wiring into the appropriate slot on the speaker's terminal block.

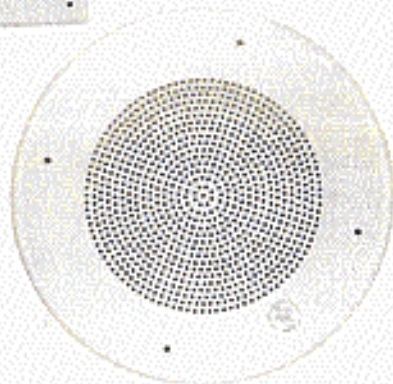
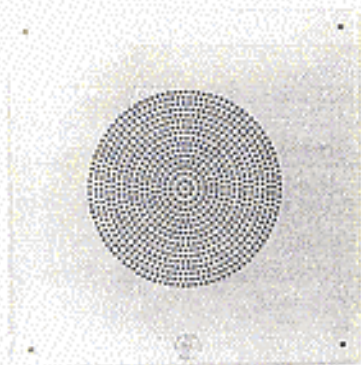
The SP-Series speakers install easily using the surface or flush backboxes.

Mircom fire alarm speakers are specially designed for high quality emergency fire alarm signals and voice communications. These units must be used with any voice alarm equipment approved by Underwriters Laboratories of Canada (ULC).

**Wiring Instructions**


*Desired wattage is selected by wiring into the corresponding terminal on the speaker terminal block.*



**Features**

- 25 & 70 volt line matching transformers
- High dBA output (over 90 dBA at 10 feet @ 2 watts)
- D.C. blocking capacitor for line supervision
- Multiple output taps. Selection for 1/2, 1, 2 or 4 watts
- Moisture resistant
- Fire retardant cone material
- Factory assembled and tested
- Each speaker is equipped with a ground wire
- Off white speaker baffle
- Round or square baffles

**Description**

Mircom's SP-Series 8" Speakers are designed for broadcasting high quality alert/alarm tone signals and are ideal for alarm signalling in hotels, malls, apartments and other areas where attractive appearance and dependable performance are prime concerns.

The SP-Series 8" Speakers consist of a loudspeaker, 6 oz. magnet, a low profile constant voltage line matching transformer, a D.C. blocking capacitor and an all steel speaker baffle finished in an off white colour. The 25 and 70 volt transformer is of the matching type and includes output power taps of: 1/2, 1, 2 and 4 watt. Tap selection is easy using the speaker's terminal block.

The SP-Series speakers install easily using the surface or flush backboxes.

Mircom fire alarm speakers are specially designed for high quality emergency fire alarm signals and voice communications. These units must be used with Mircom's QX-5000 Series Emergency Zoned Audio System or any voice alarm equipment approved by Underwriters Laboratories of Canada (ULC).





### Description

Mircom's Series 200 Select-a-Strobe are designed to comply with the Americans with Disability Act (ADA) and meet UL standard 1971/ULC S526 requirements for emergency signalling devices for the hearing impaired. The Series 200 Select-a-Strobe features a unique candela intensity field selector switch for switching the candela output from 15/75 to 30/120 cd. The strobe is polarized for connecting to supervised fire alarm circuits and is designed with a xenon flashtube. The strobe provides a candela intensity tamper-proof field selector switch for maximum performance. The Series 200 Select-a-Strobe can be synchronized by using the SDM-240 sync module to comply with NFPA recommendations concerning photosensitive epilepsy when installing 2 or more visual appliances within the field of view. The strobe signals are listed for indoor use, ceiling and wall mount, under UL1971/ULC S526 Standards.

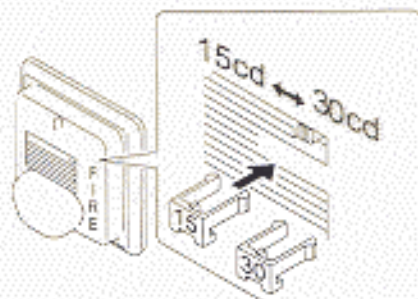
### Engineering Specifications

The visual alarm indicating appliance shall be MIRCOM model FS-240W/FS-240R or equivalent device. The Strobe shall be listed under UL 1971/ULC S526 standards for signalling devices for the hearing impaired and shall be approved for fire protective service. The candela output shall be field selectable, having a dual setting of 15/75 cd or 30/120 cd output. The signalling strobe shall operate on 24VDC from a non-coded regulated DC supply or full-wave rectified, unfiltered supply. The signalling strobe shall be designed to produce a signal flash per second with continuously applied minimum voltage. The strobe shall be capable of WALL or CEILING mounting to a universal backbox. Visual signalling devices shall be mounted 80 inches above the highest floor point or 6 inches below ceiling; whichever is lowest and are to be installed as per plans and specifications.

### Features

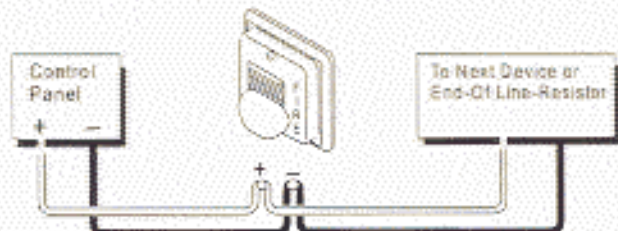
- Designed to meet or exceed NFPA/ANSI Standards and UL 464/ULC S526 Audible Signal Appliance
- UL/ULC listed for Wall or Ceiling mount
- Screw terminal capacity up to 12 AWG
- Universal mounting plate included with each unit
- Strobe with two field selectable settings 15/75 or 30/120cd
- UL listed for fire protective service
- Polarized strobes with wide listed voltage ranges using filtered DC or unfiltered FWR input voltage
- Meets ADA guidelines for minimum one flash per sec (1 Hz)
- All models mount to 4 inch square, single gang, double gang or octagon backbox
- Tamper-proof candela selector switch
- Synchronization requires an SDM-240 Sync Module
- Available in red or white housing

### Selectable Candela Output



Tamper Proof

### Wiring Diagram

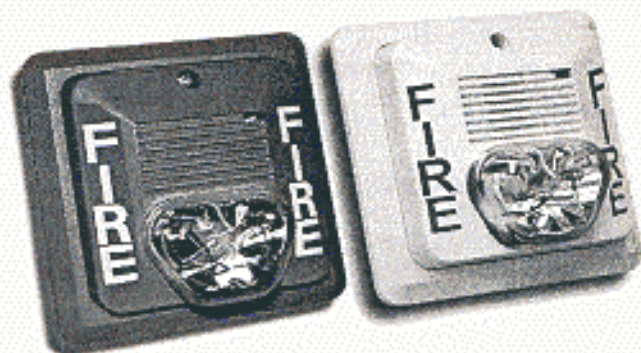


**Warning:**  
Conductor Size (AWG), Length and capacity should be taken into consideration prior to design and installation of these products, particularly in retrofit installations.



ME A  
approved





### Description

Mircom's Series 200 Select-a-Horn/Strobe are designed to comply with the Americans with Disability Act (ADA) and meet UL standard 1971/ULC S526 requirements for emergency signalling devices for the hearing impaired. The Series 200 Select-a-Horn/Strobe features a unique candela intensity field selector switch for switching the candela output from 15/75 to 30/120 cd. The Horn provides two different field selectable tones and a High/Low output setting that can be accomplished with the use of mini jumpers located on the back of the unit. The Strobe housing is clearly labelled with vertical "FIRE" lettering and is polarized for connecting to supervised fire alarm circuits. The Strobe is designed with a xenon flashtube and provides a candela intensity tamper-proof field selector switch for maximum performance.

The Select-a-Horn/Strobe series is available in red and white housing 15/75 or 30/120 cd. 24VDC models. The Series 200 Select-a-Strobe can be synchronized by using the SDM-240 sync module to comply with NFPA recommendations concerning photosensitive epilepsy when installing 2 or more visual appliances within the field of view. The strobe signals are listed for indoor use, ceiling and wall mount, under UL 1971/ULC S526 standards.

### Application

The Series 200 Horn/Strobes are recommended for use in areas such as meeting rooms, schools, corridors, apartments, office buildings, restaurants, hotels and any other application where effective visual warning is required by Federal, Provincial, State or local authority having jurisdiction.

### Features

- Designed to meet or exceed NFPA/ANSI Standards and UL 464/ULC S525 Audible Signal Appliance
- UL/ULC listed for Wall or Ceiling mount
- Screw terminal capacity up to 12 AWG
- Universal mounting plate included with each unit
- Strobe with two field selectable settings 15/75 or 30/120cd
- UL listed for fire protective service
- Polarized strobes with wide listed voltage ranges using filtered DC or unfiltered FWR input voltage
- Horn field selectable tones:
  - 3000 Hz interrupted or Electro-mechanical
  - Temporal or Non-temporal
  - High or Low dBA output
- Meets ADA guidelines for minimum one flash per sec (1 Hz)
- All models mount to 4 inch square, single gang, double gang or octagon backbox
- Tamper-proof candela selector switch
- Synchronization requires an SDM-240 Sync Module
- Available in red or white housing

### Engineering Specifications

The visual alarm indicating appliance shall be MIRCOM model FHS-240W/FHS-240R or equivalent device. The Strobe shall be listed under UL 1971/ULC S526 standards for signalling devices for the hearing impaired and shall be approved for fire protective service. The candela output shall be field selectable, having a dual setting of 15/75 cd or 30/120 cd output. The Horn shall provide two different field selectable tones as well as a High and Low field selectable sound output setting. The signalling Horn/Strobe shall operate on 24VDC from a non-coded regulated DC supply or full-wave rectified, unfiltered supply. The signalling strobe shall be designed to produce a signal flash per second with continuously applied minimum voltage. The Horn/Strobe shall be capable of WALL or CEILING mounting to a universal backbox. Visual signalling devices shall be mounted 80 inches above the highest floor point or 6 inches below ceiling; whichever is lowest and are to be installed as per plans and specifications.





### Description

Mircom's MH-25 Series mini horns are compact electronic alarm appliances that are ideal for alarm signalling in individual rooms, apartments, hotels and offices where attractive appearance and dependable performance are prime concerns. When activated, the MH-25 Series mini-horns produce a high sound output of over 90 dBA at 10 feet with a minimum current draw of 15.5 milliamps at 24 VDC (unfiltered) on the non-silenceable models. Designed as alert or alarm signal appliances for use with any conventional Fire Alarm Control panel, the MH-Series mini horns are available in a standard version (MH-25) and a Silenceable version (MH-S25).

The MH-S25 versions are silenceable mini horns equipped with a "Silence" push button and a red LED to indicate "active signal circuit" when lit. The push button allows the user to silence the mini-horn for a maximum of 10 minutes upon which the mini-horn will sound again until the signal circuit is inactive or the mini horn is silenced again or the fire alarm panel is reset. Upon the fire alarm being reset, it takes approximately 25 seconds for the MH-S25 Mini-Horns to reset.

All MH-25 Series mini horns are designed for easy installation with convenient mounting to standard single gang boxes and in-out wire leads for fast connection. The front face plates are ruggedly constructed of high impact thermoplastic and are available in fire alarm red or off-white to blend with any room decor.

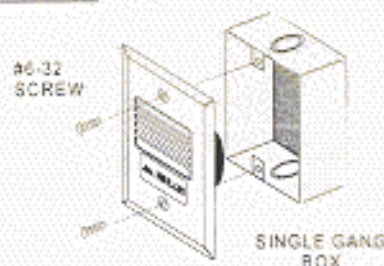
### Features

- High sound output for enhanced audibility (over 90 dBA at 10 feet) @ 24VDC
- "Silence" push button and red LED to indicate "active signal circuit" on MH-S25 versions
- 24 VDC models with wide listed voltage range, filtered DC (Non Silenceable only)
- Polarized inputs for compatibility with standard reverse polarity supervision of circuit wiring by an alarm panel
- Mounts into standard single gang box
- Flush or surface mounting options
- Compatible with sensitive detection and communication circuits
- Available in red or off-white finish

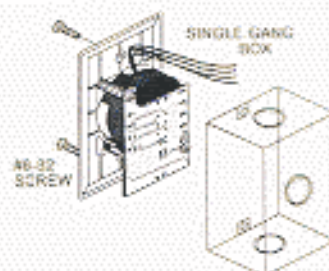
The MH-25 Series mini-horns are compatible with the CSIS-202 and CNSIS-204 Conventional Signal Isolator Modules. Please refer to Cat. Sheet #5223 and #5224.

### Installation Instructions

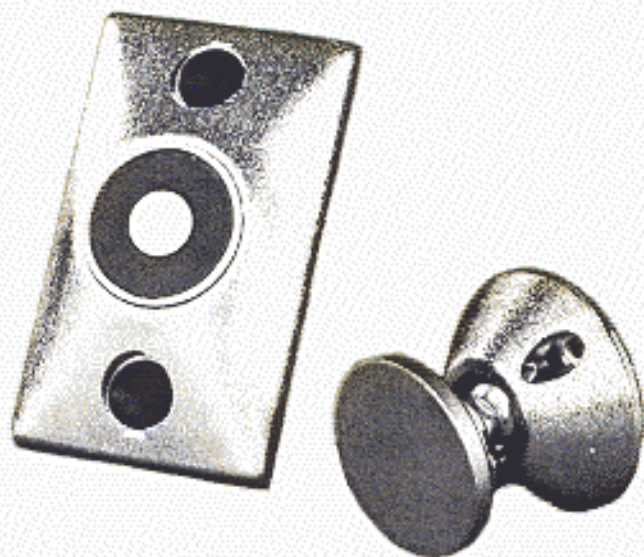
#### MH-25 Mini-Horn



#### MH-S25 Silenceable Mini-Horn



## ELECTROMAGNETIC DOOR HOLDERS



### Features

- Extremely low current draw. Only 15mA at 24 V lets you save on power supplies and backup batteries
- New recessed mount for lowest profile look
- Dual voltage inputs in each unit reduces stocking requirements
- Self-adjusting swivel catch-plate reduces installation time and adjusts to door alignment changes
- Optional extension rods make installation even faster
- Low residual magnetism easily releases even on new ADA low pressure door closers
- Transient protection is built-in

### Description

The MIR Series Electromagnetic Fire Door Holders are constructed of the finest materials available. Each door holder is made of durable die-cast metal and finished in a high lustre double chrome or brass plating for a high quality appearance.

Standard dual voltage AC or DC inputs reduce stocking requirements with 12/24 V, 24/120 V, and 24/220 V models. The 24/120 model draws a mere 15 mA at 24 V AC or DC, helping you keep overall job costs to a minimum.

Installation is easy with Mircom's MIR Series installation technique—an adhesive template assures alignment without secondary adjustments.

No brackets are required for recessed, flush or surface mounting (the surface mounting box has three conduit ready entries). Plus, the new catch plate features two pivot points and two way adjustability to further ensure perfect alignment. Optional extension rods are also available for providing the proper gap distance between the door and wall. (Recess mounted doorholder includes a 3" extension rod).

The basic units offer superior reliability with built-in transient protection and low residual magnetism so they release easily even on new ADA low pressure door closers.

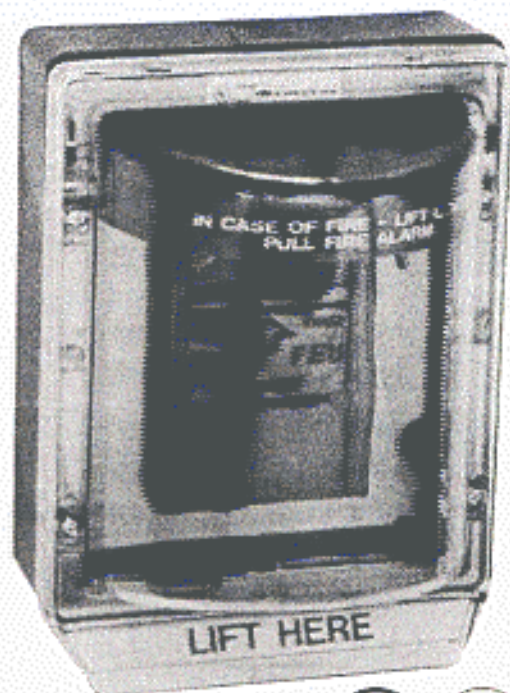


CATALOGUE NUMBER **7905**

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## FIRE ALARM ACCESSORIES



Mircom's Weather Stopper Cover extends the life and reliability of weather-exposed manual pull stations or units installed inside severe environments such as car washes. Experience has shown that it dramatically extends the life-span of stations mounted in salt air areas. Weather Stopper II is available in two versions; flush or surface mounts. Basic construction is the same as the STI-1000 Series except it does not contain an electrical warning system.

- ULC/UL tested and approved
- Protects station from dust and water
- Guards against physical damage
- Reduces false alarms

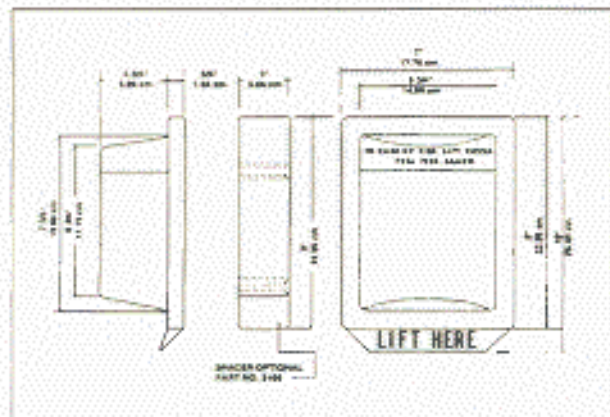
### STI-1000 Series

Approved by:

- UL #49G2 & ULC #13959C
- Factory Mutual #0G6A-AY
- NYBS #947-81-5A

The STI-1000 Series of Stopper II consists of a tamper-proof, clear Lexan shield and frame that easily fits over manual pull stations. When lifted, the STI-1000 will emit an ear piercing warning sound. Immediate attention is called to the station and the prankster will be caught. Legitimate alarms can still be pulled. When Stopper II appears, false alarms disappear.

- Fit all pull stations up to 5.25" x 6.75"
- Power source is a 9 volt DC battery (standard) or an optional remote power unit available.
- Ideal for schools, hospitals, hotels and stores.



### Model # Description

Model #	Description
STI-1100	Stopper II, flush mount with horn
STI-1130	Stopper II, surface mount with horn
STI-1200	Stopper II, Flush Mount
STI-1230	Stopper II, Surface Mount
STI-1250	Stopper II, weather-resistant, flush mount
STI-3150	Stopper II, weather-resistant, surface mount

