HMS-Series Intelligent Initiating Devices

Intelligent Metal Manual Fire Alarm Boxes
Models HMS-M I MS-FB I MS-FD

Architect & Engineer Specifications

- ☐ Polarity Insensitive with SureWireŁ technology
  - ▪ Innovative technology supports comprehensive system and interface communication
- ☐ Custom microcomputer-chip technology
- ☐ Durable metal design
- ☐ Surface or semi-flush installation
- ☐ Two(2)-wire operation
- ☐ Device Program / Test Unit (Model DPU) programs and verifies address and test functionality
- ☐ Shock and vibration resistant
- ☐ Pull Down Lever Remains Down Until Reset
  - ▪ Reset with Allen Key
  - ▪ Break-rod option provided
- ☐ Double-action accessory available
- ☐ Americans with Disabilities Act (ADA) Compliant
- ☐ UL, ULC Listed | USCG, CSFM and FDNY Approved

Product Overview

The intelligent manual fire-alarm boxes (Model HMS-M) provide the most advanced method of address programming, supervision and sophisticated fire-alarm-control-panel (FACP) communication currently offered in the Fire and Life Safety market.

Each HMS-series manual fire-alarm box incorporates a custom microcomputer chip in order to be compatible with SureWireŁ technology from the FACP. This microcomputer-chip technology, along with its sophisticated bi-directional communication capabilities with the FACP, helps in achieving the state of an 'Intelligent Initiating Device' for Model HMS-M.
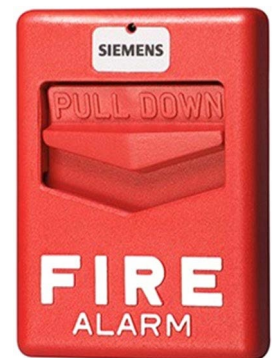
Specifications

Model HMS-M has all-metal material construction, which is matte finished in red with raised white lettering. The housing accommodates a 'pull-down' lever, which – when operated – locks into position, indicating the manual fire alarm box has been activated.

The pull-down lever remains down and locked until the manual fire alarm box is reset. The manual fire alarm box can only reset via the unlocking / opening of the hinged housing cover with an Allen key (and then closing / locking the fire-alarm box with the Allen key.) Model HMS-M is shipped with one (1) reset key and one (1) breakglass rod (use of rod is optional).

Model HMS-M operates with various Siemens – Fire Safety FACPs. The microcomputer chip contained in Model HMS-M has the capacity of storing – in memory – identification information; as well as important operating-status data.
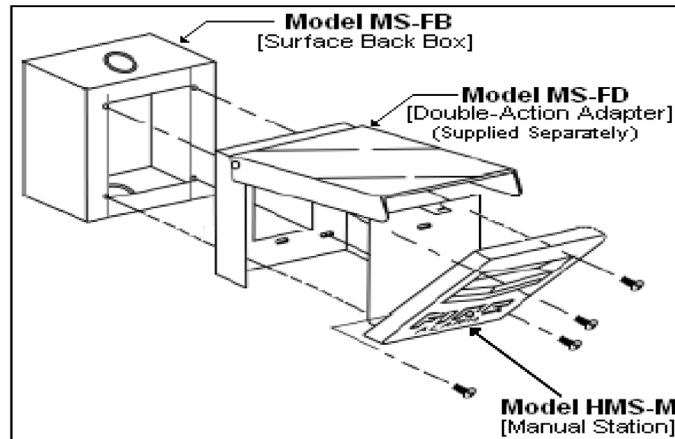
All Model HMS-series intelligent manual fire alarm boxes are programmed via the Programmer /Test Unit (Model DPU). Model DPU eliminates the need for mechanical-addressing mechanisms, such as: program jumpers, DIP switches or rotary dials, since Model DPU sets the interface address of Model HMS-M into its microcomputer-chip, non-volatile memory electronically.

Model HMS-M
Fire Alarm Box

Mounting Diagram

Model MS-FB
[Surface Back Box]

Model MS-FD
[Double-Action Adapter]
(Supplied Separately)

Model HMS-M
[Manual Station]

Specifications (continued)

Further, other conditions (such as vibration and corrosion), which can deteriorate mechanical-addressing mechanisms, are no longer a cause for concern.

Model HMS-M is fitted with screw terminals for connection to an addressable circuit. They can either be surface or semi-flush mounted.

Each Model HMS-series manual fire alarm box communicates information, receives commands and obtains its power over a single pair of wires.

The Model HMS-series manual fire alarm boxes are compatible on the same circuit with all Siemens Model 'H'-series FirePrintŁ detectors; Model HTRI-series interfaces, or Model HZM-series addressable conventional zone modules.

Additionally, Siemens 50-point, 252-point and 504-point addressable panels are compatible with HMS-M manual fire alarm boxes, via the use of any type of Siemens HTRI detection device.

The Model HMS-series is also included in US Coast Guard (USCG) approval for use in marine and other harsh environments, when used with the Siemens 252-point and 504-point USCG approved addressable system.

Electrcal Ratings

Current Draw (Active or Standby)	1.5mA

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
HMS-M	500-033450	Addressable Manual Fire-Alarm Box, Single Action
MS-FB	500-694512	Surface box [for Model HMS-M]
MS-FR	500-694513	Break-Glass Rods (Pkg. of 10)
MS-FK	500-694514	Allen-Head Reset Keys (Pkg. of 10)
MS-FD	500-694515	Double-Action Adapter
MS-NY	500-694516	New York City White-Stripe Wall Plate

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice.
The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

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