

MSI SERIES

Manual Fire Alarm Boxes

Models MSI-10B and MSI- 20B

Architect & Engineer Specifications

- Durable design
- Shock and vibration resistant
- Pull-down lever remains down until reset
- Custom microcomputer-chip technology
- Dynamic supervision
- For Model MSI-20B:
 - Reset with Allen Key
 - Two-wire operation
- Surface or semi-flush installation
- Model DPU or the FPI-32 Upgrade Kit programs and verifies the device addresses tests for functionality
- Electronic address programming is easier and more dependable
- Single and double-action models available
- UL Listed; USCG, FM, CSFM & NYC Fire Department Approved

Product Overview

The Siemens - Fire Safety Manual Fire-Alarm Boxes (Models MSI-10B and MSI-20B), which operate with the FireFinder XLS and MXL fire-alarm control panels (FACPs), provide the most advanced method of address programming and supervision currently available to the fire industry. Models MSI-10B and MSI-20B are the essence of an 'intelligent initiating device' through the built-in, microcomputer-chip technology of each box; as well as sophisticated, bi-directional communication capabilities with FireFinder XLS and MXL FACPs.

Specifications

Models MSI-10B and 20B are constructed of durable-molded polycarbonate material, which is matte finished in red with raised white lettering. The housing accommodates a 'pull-down' a lever which — when operated — locks in position, indicating the manual fire alarm box has been activated.

The pull-down lever remains down and locked, until each intelligent manual fire-alarm box is reset, via first opening the hinged housing cover with an Allen Key, followed by closing and locking the cover.

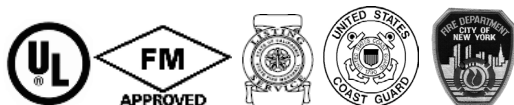
Siemens — Fire Safety's innovative technology also allows all Model MSI-series Intelligent Manual Fire-Alarm Boxes to be programmed via the Model DPU Programmer / Tester. The Model DPU Programmer / Tester is a compact, portable and menu-driven accessory that makes programming and testing a manual fire-alarm box more efficient, reliable and quicker than previous methods.

Model DPU eliminates the need for the device's mechanical addressing mechanisms (such as: program jumpers, dip switches or rotary dials) because Model DPU electronically sets the pull station's microcomputer chip's non-volatile memory.

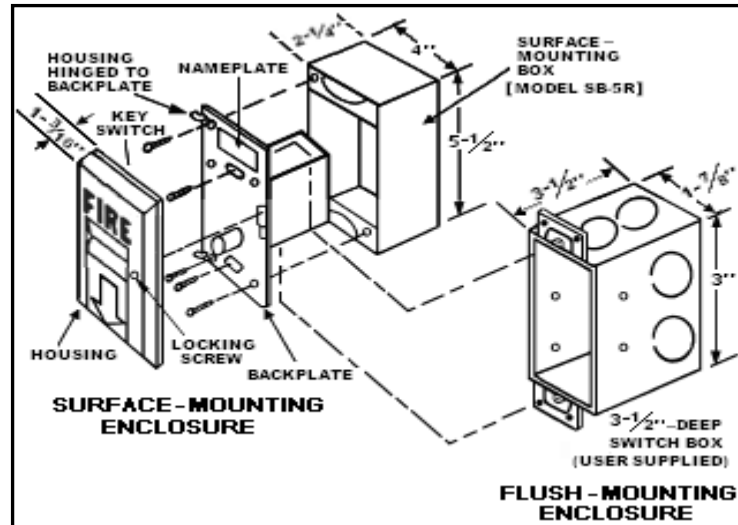


Model MSI-20B

Model MSI-10B



Mounting Diagram



Specifications (cont.)

Vibration, corrosion and other conditions, which can deteriorate mechanical-addressing mechanisms, are no longer a cause for concern because Models MSI-10B and MSI-20B are fitted with screw terminals for connection to an addressable circuit. Models MSI-10B and MSI-20B can be either surface or semi-flush mounted.

The Model MSI-series manual fire-alarm boxes derive their power, communicate information and receive commands over a single pair of wires. Models MSI-10B and MSI-20B are compatible on the same circuit with all Model IL and Model ID-60-series ionization, photoelectric or thermal detectors; Model TRI-series interfaces, or Model CZM-series addressable conventional-zone modules.

The Model MSI-series manual fire-alarm box's microcomputer chip has the capacity of storing - in memory - identification and operating-status data. Models MSI-10B and 20B are ©Underwriters Laboratories, Inc. Listed.

The MSI series manual fire alarm boxes are 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.

Actual job conditions and sound engineering judgment must determine when to use this product. Be sure to consider environmental factors, including ambient-temperature fluctuation and the nature of the fire hazard.

Should questions arise regarding usage, follow the drawings provided and / or approved by Siemens Industry, Inc. - Fire Safety, or by its authorized distributors.

Electrical Rating

CURRENT DRAW:	1mA
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Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT	SHIPPING WEIGHT	
			Lbs.	Kg.
MSI-10B	500-893080	Single-Action Addressable Manual Fire-Alarm Box	2	0.90
MSI-20B	500-893081	Double-Action Addressable Manual Fire-Alarm Box	2.5	1.13
SB-5R	310-019860	Surface Mounting Box	1.5	0.68
LTP	500-620490	Reset Tool Package [contains two (2) tools]	0.5	.023

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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.

SIEMENS

Siemens Industry, Inc.
Smart Infrastructure - Building Products
2 Gatehall Drive • Parsippany, NJ 07054
Tel: (973) 593-2600

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