


Intelligent Initiating Devices

Manual Fire Alarm Boxes

MSI-10B and MSI-20B Intelligent Manual Fire Alarm Boxes for MXL, IXL, and XL3 Control Panels

ENGINEER AND ARCHITECT SPECIFICATIONS

- Durable Design
- Shock and Vibration Resistant
- Pull Down Lever Remains Down Until Reset
- Custom Microcomputer Chip Technology
- Dynamic Supervision
- Reset with Allen Key
- No Break Rods Necessary
- Two Wire Operation
- Surface or Semiflush Installation
- DPU or FPI-32 Programs and Verifies Device's Address and Tests Device's Functionality
- Electronic Address Programming is Easier and More Dependable
- Single and Double Action Models Available
-  Listed, CSFM, FM and NYMEA Approved



Introduction

Siemens Building Technologies, Fire Safety MSI-10B and 20B intelligent manual fire alarm boxes provide the markets' most advanced method of address programming and supervision, combined with sophisticated control panel communication. Each MSI manual fire alarm box incorporates a new custom microcomputer chip. The microcomputer chip technology, and its sophisticated bi-directional communication capabilities with the control panel, achieves the state of an "Intelligent Initiating Device."

Description

The 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" 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 the manual fire alarm box is reset. The manual fire alarm box is reset only by opening the hinged housing cover with an allen key and then closing and locking the cover.

The MSI-10B and 20B manual fire alarm boxes operate with the MXL, IXL/ICON-1 and XL3 control panels.

The manual fire alarm box's microcomputer chip has the capacity of storing, in memory, identification information as well as important operating status information.

Fire Safety's innovative technology also allows all MSI Series Intelligent manual fire alarm boxes to be programmed by using the Model DPU or FPI-32 Programmer/Tester. The Programmer/Tester is a compact, portable, menu driven accessory which makes programming and testing a manual fire alarm box device faster, easier and more dependable than previous methods. The DPU or FPI-32 eliminates the need for the device's mechanical addressing mechanisms, such as program jumpers, dipswitches or rotary dials because the Programmer/Tester electronically sets the manual fire alarm box's address into its microcomputer chip, nonvolatile memory. Vibration, corrosion and

other conditions which deteriorate mechanical addressing mechanisms are no longer a cause for concern.

The MSI-10B and 20B are fitted with screw terminals for connection to an addressable circuit. They can be either surface or semiflush mounted.

The MSI Series manual fire alarm boxes derive their power, communicate information and receive commands over a single pair of wires.

The MSI Series is compatible on the same circuit with all IL and ID-60 Series ionization, photoelectric or thermal detectors, TRI Series interfaces or CZM Series addressable conventional zone modules.

The MSI-10B and 20B intelligent manual fire alarm boxes are Underwriters Laboratories, Inc. listed.

Ordering Information

Model	Description	Shipping Wt.	
		Lb.	Kg.
MSI-10B	Addressable Manual Fire Alarm Box, Single Action	2	.90
MSI-20B	Addressable Manual Fire Alarm Box, Double Action	2.5	1.13
SB-5R	Surface Mounting Box	1.5	.68
LTP	Reset Tool Package (Contains 2 Tools)	.5	.23

Current Draw

1mA

Mounting Data

