


## Intelligent Initiating Devices

### Manual Fire Alarm Boxes

#### ENGINEER AND ARCHITECT SPECIFICATIONS

##### MSI-B6F Intelligent Manual Fire Alarm Boxes for MXL and XL3 Control Panels

- Durable Metal Design
- Shock and Vibration Resistant
- Pull Down Lever Remains Down Until Reset
- Custom Microcomputer Chip Technology
- Dynamic Supervision
- Reset with Allen Key
- Break Rod Option
- 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
- Double Action Accessory Available
-  Listed, CSFM Approved



MSI-B6F



MSI-B6F with MS-FB Surface Box & MS-FD Double Action Adapter

### Introduction

Siemens Building Technologies, Fire Safety Division MSI-B6F 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 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-B6F 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 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-B6F is shipped with one reset key and one breakglass rod (use of rod is optional).

The MSI-B6F manual fire alarm box operates 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 FPI-32 or DPU Programmer/Tester. The FPI-32 and DPU Programmer/Testers are 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 Programmer/Tester 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-B6F is 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 FirePrint™, IL and ID-60 Series ionization, photoelectric or thermal detectors, TRI Series interfaces or CZM Series addressable conventional zone modules.

The MSI-B6F intelligent manual fire alarm boxes are Underwriters Laboratories, Inc. listed.

## Engineer and Architect Specifications

The addressable manual fire alarm box shall incorporate a custom microprocessor based integrated circuit which shall provide communication with its compatible control panel. The addressable manual fire alarm box shall be a Fire Safety Model MSI-B6F which shall be compatible with both the Fire Safety MXL, IXL/ICON-1 and XL3 control panels.

The addressable manual fire alarm box shall be of metal construction which is matte finished in red with raised white lettering. The housing shall accommodate a "pull down" lever, which when operated locks in position after releasing a spring loaded switch. To indicate the manual fire alarm box has been activated, the pull down lever shall remain down and locked until the manual fire alarm box is reset. The manual fire alarm box shall be reset only by opening the hinged housing cover with an allen key and then closing and locking the cover.

The addressable manual fire alarm box shall be UL listed.

The addressable manual fire alarm box shall be dynamically supervised and uniquely identifiable by the control panel.

The addressable manual fire alarm box's address shall be programmed with the use of a portable programming accessory. The programming accessory shall be a Fire Safety DPU or FPI-32 Programmer/Tester. The portable programmer shall be menu driven. Once the desired address is entered, the programmer shall set and verify the address. The programming accessory shall also be capable of testing the device's functionality. The addressable manual fire alarm box's address shall be set by electronic means only. No mechanical means such as programming pins, dipswitches or rotary dials shall be required to set the device's address.

The MSI-B6F Manual Fire alarm box shall be compatible on the same circuit with all other Fire Safety IL, ID-60 Series or X Series detectors. MSX or MSI Series addressable manual fire alarm boxes, TRX or TRI Series addressable interface modules, or CZM Series addressable conventional zone modules.

## Ordering Information

Model Number	Description
MSI-B6F	Addressable Manual Fire Alarm Box, Single Action
MS-FB	Surface Box for MSI-B6F
MS-FD	Double Action Adapter
MS-FR	Package of Ten (10) Break Glass Rods
MS-FK	Package of Ten (10) Allen Head Reset Keys
MS-NY	New York City White Stripe Wall Plate

## Mounting Data

