

Intelligent Initiating Devices

Manual Stations (for **Canada** Only)

Models MSI-30BC and MSI-51BD

ARCHITECT AND ENGINEER SPECIFICATIONS

- Durable design
- Shock and vibration resistant
- Pull-down lever remains down until reset
- Normally closed (N.C) auxiliary contacts
- Dynamic supervision
- For Model MSI-30BC:
 - Reset with Allen Key
 - Two-wire / two-stage, dual-address operation
- Surface or semi-flush installation
- Model DPU programs and verifies the device addresses tests for functionality
- Electronic address programming is easier and more dependable



MSI-30BC
(with key switch)



MSI-51BD
(without key switch)

- Fitted with screw terminals
- Compatibility with FireFinder® XLS and MXL control panels
- @ULC Listed

Product Overview

The Two-Stage, Dual-Address Intelligent Manual Station (Model MSI-30BC) with sophisticated control-panel communication from Siemens Canada Limited – Fire Safety provides the most advanced method of address programming and supervision currently available to the fire industry. Model MSI-30BC is the essence of an intelligent, initiating device through its built-in microcomputer-chip technology; as well as its sophisticated, bi-directional communication capabilities with FireFinder XLS and the MXL control panels.

The pull switch and the second-stage key Switch have their own addresses, and each is fully identifiable. Only one (1) pair of wires is required for Model MSI-30BC.

The Single-Address Intelligent Manual Station (Model MSI-51BD) is also an addressable device; however Model MSI-51BD provides single-address communication, and does not come with a key switch. Both stations have N.C auxiliary contacts when in the *Normal* condition.

Specifications

Models MSI-30BC and MSI-51BD are constructed of durable-molded polycarbonate material, which is matte finished in red with raised white lettering. The housing for Model MSI-30BC accommodates a 'pull-down' lever which – when operated – locks in position, indicating the manual station has been activated.

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Specifications – (continued)

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

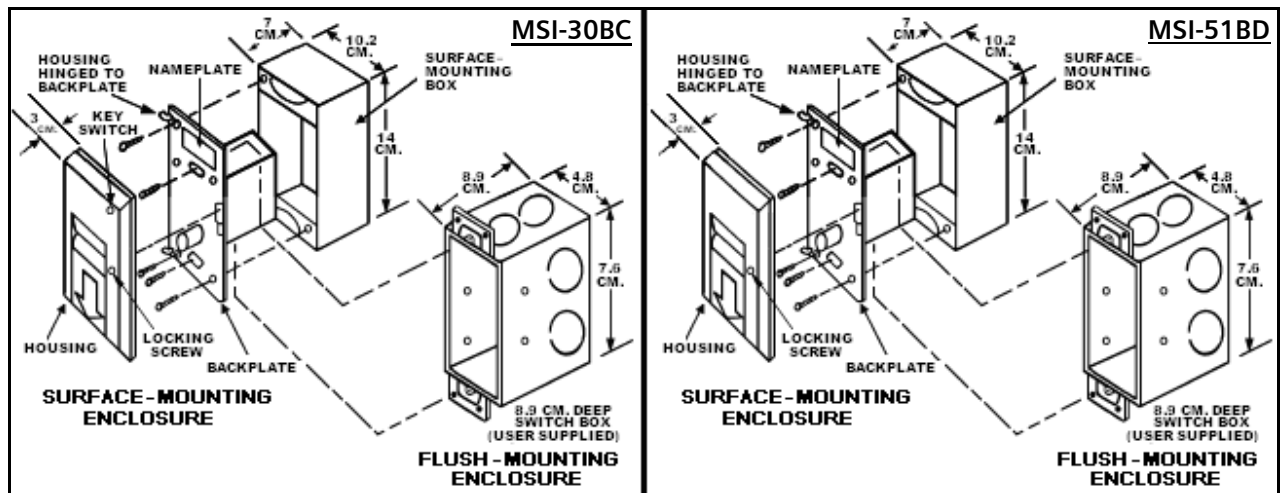
Model MSI-30BC is designed for two-stage applications: The first-stage alarm is activated when the pull-down lever is manually triggered; while the second-stage alarm is activated when the key switch is turned to 'On.' The microcomputer-chip technology for the manual station has the capacity of storing – in memory – identification information; as well as important operating-status information.

Model MSI-51BD is designed only for single-stage application: The alarm is only activated when the pull-down lever is manually depressed.

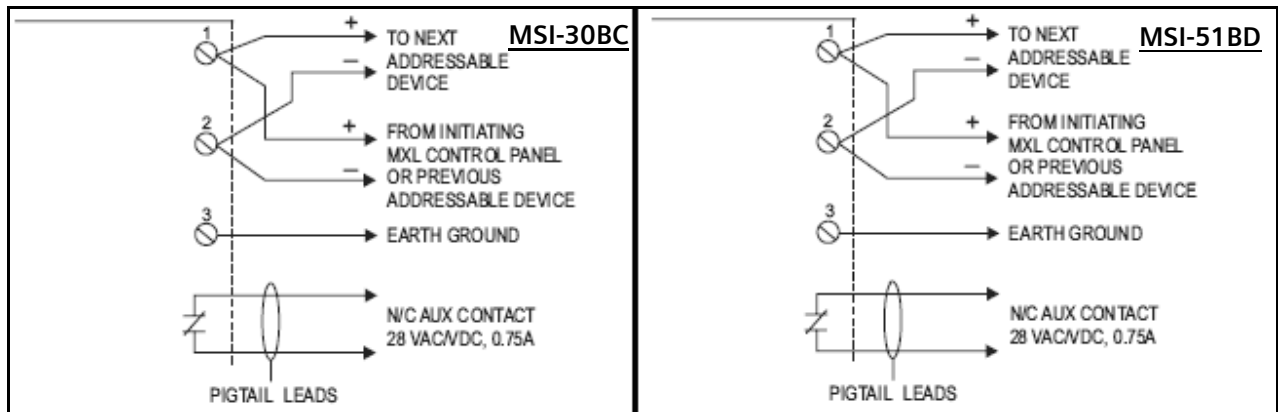
Fire Safety's innovative technology also allows all Model MSI-30BC Intelligent Manual Stations to be programmed via the Model DPU Programmer / Tester. The Model DPU Programmer / Tester is a compact, portable and menu-driven accessory that makes programming and testing a manual station device more efficient, 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.

Vibration, corrosion and other conditions, which can deteriorate mechanical-addressing mechanisms, are no longer a cause for concern because Model MSI-30BC is fitted with screw terminals for connection to an addressable circuit. Model MSI-30BC can be either surface or semi-flush mounted, and its manual station operates with FireFinder XLS and the MXL control panels.

Mounting Diagrams



Wiring Diagrams



Notes:

- Recommended wire sizes:
 - 18 AWG minimum, 14 AWG maximum
- Wire larger than 14 AWG can damage the connector.
- When using shielded cable without metal raceway or with nonmetallic raceway, the shields should be terminated at the device ground terminal. If the device box is already grounded by another means — such as being mounted to a grounded structure — then the wire shields should be continuous, and must be grounded solely at the point of origin.

[For example, at the control panel, the device ground terminal shall be connected to the grounded device box.]

- When using shielded cable with metal raceway, the wiring shields shall be continuous and grounded solely at the point of origin. The device ground terminal shall be connected to the grounded device box.
- When using metal raceway without shielded cable, connect the device ground terminal to the grounded device box.
- Metal raceway should be continuously grounded throughout the system.

Details for Ordering

Model Number	Part Number	Description
MSI-30BC	500-693376	Intelligent Manual Station (Two-stage, dual-address Intelligent Manual Station used with NC auxiliary contacts)
MSI-51BD	500-033480	Intelligent Manual Station (Single-address station used with NC auxiliary contacts)

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Notice: This marketing data sheet is not intended to be used for system design or installation purposes.
For the most up-to-date information, refer to each product's installation instructions.

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