

SIEMENS

Installation Instructions

MODEL MSI-10B/20B(C)

Manual Stations

INTRODUCTION

The Model MSI-10B and MSI-20B Manual Stations from Siemens Industry, Inc., are addressable devices containing advanced control panel communication technology. This technology, which provides two-direction communication with the control panel, produces an Intelligent Initiating Device. The MSI-10B is single action; the MSI-20B is double action.

Note: Model MSI-10B is not available in Canada.

OPERATION

The MSI manual stations operate with either the MXL Control Panel, the IXL Control Panel (with ICON-1), or the XL3 Control Panel.

The MSI-10B manual station housing has a pull down lever that locks in position after releasing a spring loaded switch (See Figure 3). To indicate the manual station is activated, the pull

NOTES:

1. Recommended wire sizes:
18 AWG minimum, 14 AWG maximum
2. Wire larger than 14 AWG can damage the connector.
3. **When using shielded cable without metal raceway or with nonmetallic raceway**, the shields should be terminated at the device box and the device ground terminal. If the device box is already grounded by another means, such as being mounted to a grounded structure, the wire shields should be continuous and must be grounded solely at the point of origin; for example, at the control panel.
4. **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.
5. **When using metal raceway without shielded cable**, connect the device ground terminal to the grounded device box.
6. Metal raceway should be thoroughly grounded throughout the system.

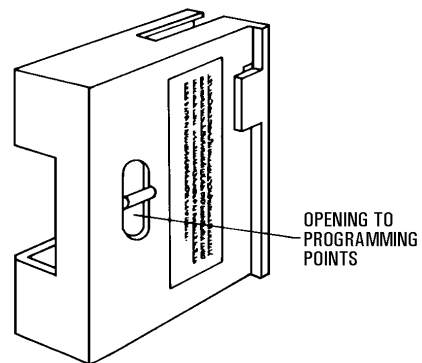


Figure 1
MSI Cover

down lever remains down and locked until the station is reset.

The MSI-20B has an additional lever labeled **PUSH IN** which must be operated first.

Both models are reset by opening the hinged housing cover with an Allen key and then closing and locking the cover.

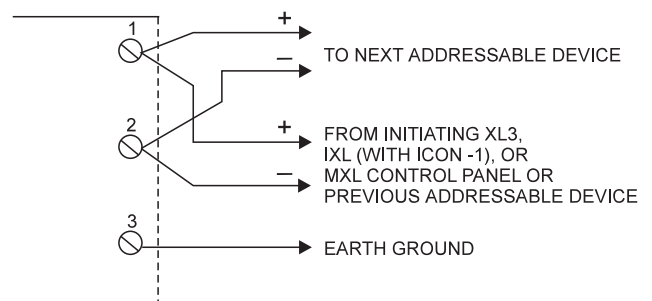


Figure 2
Wiring Information

INSTALLATION

1. Locate the opening on the MSI cover that allows access to the programming points on the MSI printed circuit board. (Refer to Figure 1.)
 2. The manual stations are programmed by using the Model FPI-32 Programmer/Tester (for MXL, XL3, IXL) or the DPU Device Programming Unit (for MXL).
 3. Follow the instructions given in the *FPI-32 Programmer/Tester Manual* (P/N 315-090077) or the *DPU User's Manual* (P/N 315-033260), as applicable, to connect the cable provided and program the MSI to the desired address.
 4. Record the device address on the nameplate label located on the MSI housing (See Figure 3).
 5. Distribute the manual station boxes throughout the protected area so that they are unobstructed, readily accessible, and located in the normal exit path.
 6. Place the manual station according to the regulations of the authorities having jurisdiction.
For surface mounting, mount the backplate to a Model SB-5R Backbox (in Canada use a Model MC-5 Backbox) as shown in Figure 3.
For flush mounting, mount the backplate to a user supplied single gang switchbox.
- CAUTION:** Do not overtighten the screws. Overtightening may distort the backplate.
7. Install the MSI. (Refer to Figure 3.)
 8. Wire the MSI to the System (Refer to Figure 2 for proper connections).
 9. In supervisory: MSI-10B/20B draws 1mA.

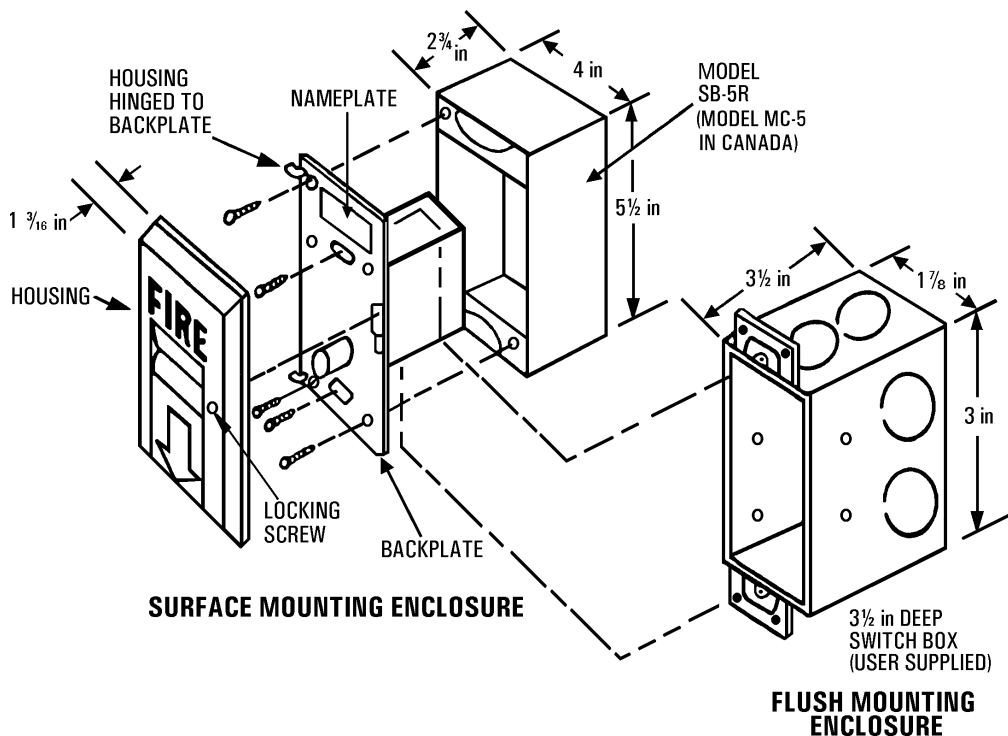


Figure 3
Mounting Data