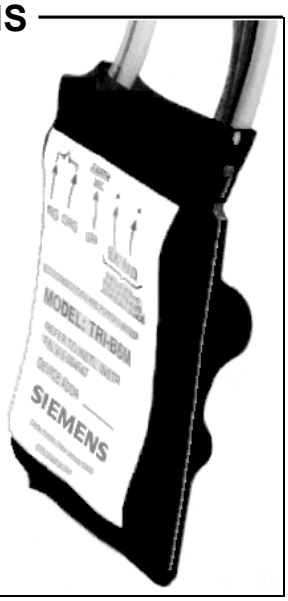
SIEMENS

Data Sheet
Fire Safety & Security Products

Intelligent Interface Module

For use with FireFinder® XLS and MXL Panels
Model TRI-B6M

ARCHITECT AND ENGINEER SPECIFICATIONS



- **Interfaces and supervises normally open (N.O) [Fire Detection] or normally closed (N.C) contacts [Security Detection]**
- **Compact size allows mounting in single-gang box behind equipment**
- **Innovative technology supports comprehensive system and interface communication**
- **SensorLINK programmer / tester (FPI-32 upgrade kit) programs and verifies device address, as well as tests device functionality**
- **Electronic address programming is easier and more dependable**
- **Microcomputer-chip technology**
- **Dynamic supervision**
- **Two-wire operation**
- **UL Listed, ULC Listed; CSFM and NYCFD Approved**

Product Overview

The Intelligent Interface Module (Model TRI-B6M) from Siemens — Fire Safety is designed to provide the means of interfacing direct shorting devices to the FireFinder XLS panel's Model MLC, or the MXL panel's Model ALD loop circuit.

Model TRI-B6M provides the most advanced method of address programming and supervision — combined with sophisticated fire-alarm-control-panel (FACP) communication. Each Model TRI-B6M module incorporates microcomputer-chip technology with sophisticated bi-directional communication capabilities to either the FireFinder XLS or MXL FACP. The device's microcomputer chip has the capacity of storing — in memory — identification information, as well as important operating-status data.

Model TRI-B6M is designed to monitor a (N.O) or (N.C) dry contact, and reports the contact's status to either the FireFinder XLS or MXL panel.

Innovative technology from Siemens — Fire Safety allows each Model TRI-B6M module to be programmed and tested, via the SensorLINK Programmer / Tester (Model FPI-32 upgrade kit).

This upgrade kit is a compact, portable and menu-driven accessory that makes programming and testing an interface device faster, easier and more dependable than previous methods.

Model FPI-32 eliminates the need for mechanical addressing mechanisms — such as: program jumpers, DIP switches or rotary dials, since the upgrade kit electronically sets the interface address into the non-volatile memory of Model TRI-B6M's microcomputer chip.

Vibration, corrosion and other conditions that deteriorate mechanical addressing mechanisms are no longer a cause for concern. Model TRI-B6M is connected to the FPI-32 upgrade kit with the programming cable provided with the tester. This programming cable **(Part No: 110-694927)** utilizes two (2) alligator-clip connectors to attach to each Intelligent Interface Module.

Model TRI-B6M is fully compatible on the same circuit with all intelligent Model IL and Model ID-60 Series detectors; Model MSI Series addressable manual stations, or any other addressable intelligent modules, such as Model CZM or Model ICP.

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Building Technologies Division

Specifications

The Intelligent Interface Module (Model TRI-B6M) shall incorporate a custom, microprocessor-based integrated circuit that provides communication with its compatible control panel. Model TRI-B6M shall be a Siemens – Fire Safety module that shall be compatible with FireFinder XLS or MXL FACP.

Model TRI-B6M shall provide the means of interfacing direct shorting devices to the addressable circuits, and shall report the contact's status to the FireFinder XLS or MXL FACP.

Model TRI-B6M shall be ULUL and ULC Listed, and Model TRI-series devices shall be listed and have the capability of interfacing (N.C) security switches to the FireFinder XLS or MXL FACP, per ULUL 1076.

The addressable interface module shall be dynamically supervised and uniquely identifiable by the control panel.

The addressable interface module's address shall be programmed with the use of a portable-programming accessory. The portable-programming accessory shall be a Siemens – Fire Safety Programmer / Tester (FPI-32 upgrade kit).

The portable-programming accessory 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 for testing the functionality of Model TRI-B6M.

The addressable interface module's address shall only be set by electronic means. No mechanical means such as programming pins, DIP switches or rotary dials shall be required.

Model TRI-B6M shall be compatible on the same circuit with other intelligent Model IL and Model ID-60 Series detectors; Model TRI Series addressable interfaces; Model MSI Series addressable manual stations, or any other addressable intelligent modules, such as Model CZM or Model ICP.

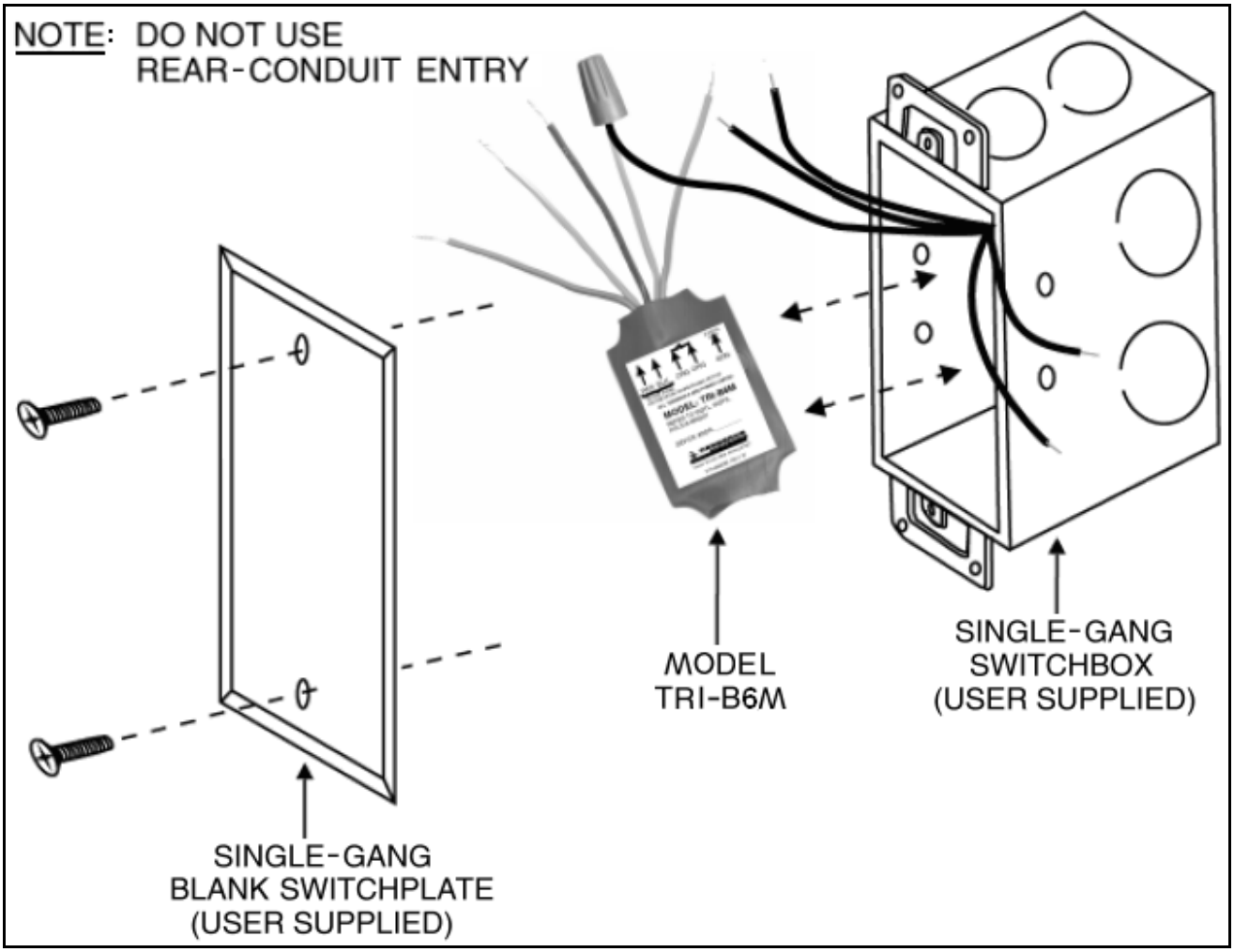
Temperature and Humidity Range

Model TRI-B6M is ULUL 864 9th Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative-humidity range of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Details for Ordering

Model Number	Part Number	Description	Shipping Weight	
			Oz.	Kg.
TRI-B6M	500-894546	Single-Input Intelligent Interface Module [B6 Chip]	3.5	0.1
TRI-B6MC	500-894993	Single-Input Intelligent Interface Module [B6 Chip] – Canada only	3.5	0.1

Mounting Diagram



Security Point Installation

⚠ **WARNING: CIRCUITS INTENDED FOR 24-HOUR ALARM MONITORING ONLY.**

ⓃUL 1076 requires a Model HTSW-1 tamper switch and a Model TSP-40A printer. A *Communication Failure* command that is triggered with a Model TRI Series device configured for a *Security* prompt will result in the *Security Alarm* and *Communication Trouble* commands to activate.

When installing a Model TRI Series device into the *Zeus* programming tool or into the MXL panel's Model CSGM, be sure to set the device usage to the *Security* command. When setting the device address using the FPI-32 upgrade kit, select the (N.C) alarm-causing input.

Connect only one (1) switch per Model TRI Series input.

Note: As part of the normal installation practice, each Model TRI Series device must be functionally tested, including testing the supervision through the end-of-line resistor.

Here are the sequential steps required for each Model TRI Series device installation:

1. Open the end-of-line resistor.
2. Check that the system annunciates the programmed trouble message.
3. Return the resistor to its proper connection.
4. Change the state of the switch to confirm that the system's programmed response is executed.
5. Return the switch to the *Normal* state.

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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