

Notifier ISO-X

Notifier ISO-X Fault Isolator Module User Manual

Model: ISO-X

1. INTRODUCTION

The Notifier ISO-X Alarm Fault Isolator Module is designed to protect fire alarm system Signaling Line Circuits (SLC) from wire-to-wire short circuits. This module ensures that a short circuit on the SLC loop does not disable the entire loop, allowing other devices on the loop to continue functioning normally. It is an essential component for maintaining system integrity and reliability in fire detection and alarm systems.

The ISO-X module is compatible with various Notifier fire alarm control panels, including NFS-3030, AM2020, AFP1010, NFS-640, AFP-400, AFP-300, AFP-200, AFP-100, and System 5000.

2. PRODUCT OVERVIEW



Figure 2.1: Front view of the Notifier ISO-X Fault Isolator Module in its original packaging. The module is white with the Notifier by Honeywell logo prominently displayed. The packaging indicates "ISO-X" and "417480".

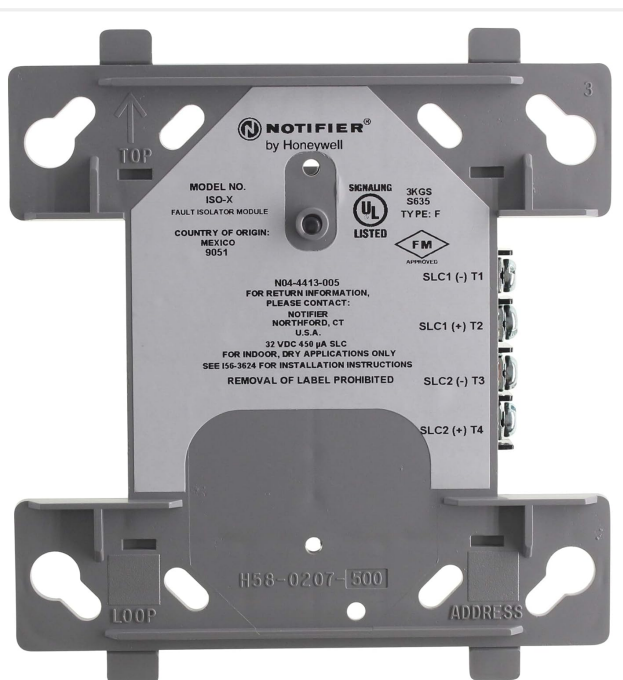


Figure 2.2: Rear view of the Notifier ISO-X Fault Isolator Module, showing the mounting bracket and wiring terminals. Labels for SLC1 and SLC2 connections are visible, along with model number, country of origin (Mexico), and UL/FM listings. Installation instructions are referenced.

3. SETUP AND INSTALLATION

Installation of the ISO-X module should only be performed by qualified personnel in accordance with all local and national electrical codes, and the manufacturer's specific installation instructions (document 156-3624 referenced on the module itself).

1. **Power Disconnection:** Ensure all power to the fire alarm control panel and associated circuits is disconnected before beginning installation.
2. **Mounting:** Mount the ISO-X module in a suitable location, typically within an electrical enclosure or junction box, using the provided mounting holes. Ensure proper ventilation if required by local codes.
3. **Wiring:** Connect the Signaling Line Circuit (SLC) wires to the designated terminals on the module. The module supports two SLC loops (SLC1 and SLC2) with positive (+) and negative (-) terminals for each. Refer to the wiring diagram provided with the module and the fire alarm control panel for correct polarity and connection points. The module is designed for 4-wire applications.
4. **Verification:** After wiring, visually inspect all connections to ensure they are secure and correctly terminated.
5. **Power Restoration:** Restore power to the fire alarm control panel and verify proper operation of the SLC loop and connected devices.

Note: The module is designed for indoor, dry applications only.

4. OPERATION

The Notifier ISO-X module operates passively within the SLC loop. In the event of a wire-to-wire short circuit on the SLC loop, the ISO-X module automatically isolates the affected segment of the loop. This isolation prevents the short circuit from disrupting communication with other devices on the healthy segments of the loop. Once the short circuit condition is cleared, the ISO-X module automatically restores the isolated segment to normal operation, allowing full communication across the entire SLC loop without manual intervention.

5. MAINTENANCE

The Notifier ISO-X module requires minimal maintenance. Regular system inspections and testing, as mandated by local fire codes and standards (e.g., NFPA 72), will ensure the continued proper functioning of the module and the overall fire alarm system.

- **Visual Inspection:** Periodically inspect the module and its wiring for any signs of physical damage, corrosion, or loose connections.
- **System Testing:** During routine fire alarm system testing, verify that the fault isolation function operates correctly by simulating a short circuit (if permitted by system design and local codes, and only by qualified technicians).
- **Cleaning:** If necessary, gently clean the exterior of the module with a dry, soft cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

If a fault is indicated on the SLC loop, and the ISO-X module is suspected:

- **Identify Fault Location:** The fire alarm control panel should indicate the general location of the short circuit. The ISO-X module will isolate the segment containing the fault.
- **Inspect Wiring:** Carefully inspect the wiring within the isolated segment for any signs of damage, pinched wires, or incorrect connections that could cause a short circuit.
- **Check Connections:** Ensure all terminal connections on the ISO-X module and connected devices are secure.
- **Module Status:** Some ISO-X modules may have an indicator LED that changes status when a fault is detected. Consult the specific module's datasheet for LED behavior.
- **Professional Assistance:** If the fault cannot be identified and resolved, contact a qualified fire alarm technician for diagnosis and repair. Do not attempt to bypass or tamper with the module.

7. SPECIFICATIONS

Attribute	Value
Brand	Notifier
Model Number	ISO-X
Part Number	ISO-X
UPC	636836973661
Power Source	Corded Electric (SLC Loop)
Color	White
Item Weight	5.6 ounces
Product Dimensions	6 x 6 x 2 inches
Number of Items	1
Application	Indoor, Dry Applications Only

Attribute	Value
Compatibility	NFS-3030, AM2020, AFP1010, NFS-640, AFP-400, AFP-300, AFP-200, AFP-100, System 5000

8. WARRANTY AND SUPPORT

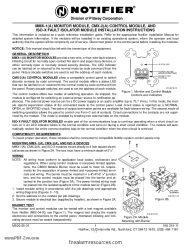


For specific warranty information regarding your Notifier ISO-X module, please refer to the documentation provided with your purchase or contact Notifier directly. Warranty terms typically cover defects in materials and workmanship under normal use.

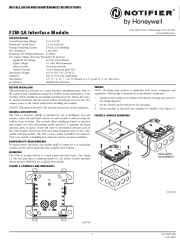

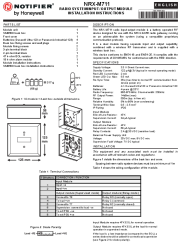
For technical support, installation assistance, or to report issues, please contact Notifier customer service or your authorized Notifier distributor. When contacting support, please have your product model number (ISO-X) and any relevant system information ready.

Contact Information:

- **Notifier by Honeywell**
- Northford, CT, U.S.A.
- Refer to official Notifier website for current contact details and support resources.

Related Documents - ISO-X

	<p>Notifier MMX-1(A), CMX-2(A), and ISO-X Fault Isolator Module Installation Instructions</p> <p>Installation guide for Notifier MMX-1(A) Monitor Module, CMX-2(A) Control Module, and ISO-X Fault Isolator Module. Provides details on general description, compatibility, mounting, wiring, and testing procedures.</p>
	<p>Notifier XP10-M(A) Ten-Input Monitor Module Technical Specifications</p> <p>Detailed technical specifications and features for the Notifier XP10-M(A) Ten-Input Monitor Module, an addressable device for intelligent alarm systems.</p>
	<p>Notifier FCM-1(A) and FRM-1(A) Series Control and Relay Modules Data Sheet</p> <p>Technical data sheet for Notifier's FCM-1(A) Addressable Control Module and FRM-1(A) Addressable Relay Module, detailing features, applications, specifications, and agency approvals for fire alarm systems.</p>

	<p>Notifier FZM-1A Interface Module: Installation and Maintenance Instructions</p> <p>Comprehensive guide for installing and maintaining the Notifier FZM-1A Interface Module. Includes detailed specifications, wiring diagrams for NFPA Class B and Class A configurations, mounting instructions, and general descriptions for fire alarm systems.</p>
	<p>Notifier NCM-1 Noise Control Module: Technical Specifications and Installation Guide</p> <p>Detailed technical specifications, features, and installation guidelines for the Notifier NCM-1 Noise Control Module, designed to reduce common mode noise on Signaling Line Circuits. Includes wiring specifications for AIM-200, AM2020, and AFP1010 systems.</p>
	<p>Notifier NRX-M711 Radio System Input/Output Module Installation Instructions</p> <p>Comprehensive installation guide for the Notifier NRX-M711 radio input-output module, detailing its specifications, parts list, wiring, programming, and commissioning for fire alarm systems.</p>