

## DISC XTRI-S

# DISC XTRI-S Addressable Monitor Module with Dual Isolators User Manual

## 1. INTRODUCTION

The DISC XTRI-S Addressable Monitor Module with Dual Isolators is designed for integration into compatible fire alarm systems. This module provides reliable monitoring capabilities for various initiating devices, such as conventional smoke detectors, heat detectors, and manual pull stations. Its integrated dual isolators enhance system integrity by protecting the Signaling Line Circuit (SLC) from short circuits, ensuring continued operation of other devices on the loop.

## 2. SAFETY INFORMATION

**WARNING:** Installation and servicing of this device must be performed by qualified and authorized personnel only. Always disconnect all power to the fire alarm control panel and the SLC loop before attempting any installation, wiring, or servicing to prevent electric shock, equipment damage, or unintended system activation. Adhere to all local and national electrical codes, standards, and regulations for proper installation and operation.

## 3. SETUP AND INSTALLATION

The XTRI-S module is designed for easy installation within a standard electrical box. Follow these general steps for proper setup:

1. **Mounting:** Secure the module's mounting plate to a compatible electrical box using appropriate screws. The module typically features four mounting holes for secure attachment.
2. **Wiring:** Connect the SLC loop wiring to the designated terminals on the module. Ensure correct polarity for both input and output connections. Connect the initiating device circuit (IDC) wiring to the module's input terminals. Refer to the wiring diagram provided with the module for specific terminal assignments.
3. **Addressing:** Set the module's address using the rotary switches or dip switches as indicated on the module. Each module on the SLC loop must have a unique address.
4. **Cover Plate:** Once wiring and addressing are complete, attach the cover plate to the module.



**Image 1:** Front view of the XTRI-S Addressable Monitor Module, showing terminal blocks and addressing switches. This image illustrates the physical layout and connection points of the module.



**Image 2:** Various components of the XTRI-S module, including the main unit, mounting bracket, cover plate, and a small instruction manual. This provides a view of the complete package.

## 4. OPERATING INSTRUCTIONS

The XTRI-S module operates by continuously monitoring the status of the connected initiating device circuit. When an event occurs (e.g., a smoke detector activates, a pull station is engaged), the module detects the change in the IDC and transmits this information as an addressable signal to the fire alarm control panel. The dual isolators automatically activate to isolate short-circuited sections of the SLC loop, preventing system-wide failures while allowing other devices to continue functioning.

- **Normal Operation:** The module's indicator LED (if present) will typically flash periodically to indicate normal communication with the control panel.
- **Alarm/Trouble Condition:** Upon detection of an alarm or trouble condition from the monitored device, the module will communicate this status to the control panel. The LED behavior may change (e.g., solid red for alarm, rapid flash for trouble) as per system programming.
- **Isolator Activation:** In the event of an SLC short circuit, the integrated isolators will activate, segmenting the loop to maintain system functionality.

## 5. MAINTENANCE

To ensure the continued reliable operation of your XTRI-S module and the overall fire alarm system, regular maintenance is essential:

- **Visual Inspection:** Periodically inspect the module for any signs of physical damage, corrosion, or loose connections. Ensure the cover plate is securely in place.
- **Cleaning:** If necessary, gently clean the exterior of the module with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **System Testing:** Follow the recommended testing schedule for your fire alarm system, as outlined in NFPA 72 and local codes. This includes functional testing of all monitored devices connected to the XTRI-S module.
- **Professional Servicing:** All internal inspections, wiring checks, and advanced diagnostics should be performed by a certified fire alarm technician.

## 6. TROUBLESHOOTING

If you encounter issues with your XTRI-S module, consider the following troubleshooting steps:

- **Module Not Communicating:**
  - Verify that the SLC loop wiring is correctly connected to the module's terminals and that polarity is maintained.
  - Check the module's address setting to ensure it is unique and correctly configured for the system.
  - Inspect the SLC loop for any open circuits or short circuits.
- **Monitored Device Not Reporting:**
  - Ensure the initiating device circuit (IDC) wiring is correctly connected to the module.
  - Test the initiating device itself to confirm it is functioning correctly.
  - Check for proper end-of-line resistor (EOLR) installation on the IDC, if required by the system.
- **False Alarms/Troubles:**
  - Inspect wiring for intermittent shorts or grounds.
  - Ensure the module is installed in a clean, dry environment, free from excessive dust or moisture.

For persistent issues, consult the fire alarm control panel's manual for diagnostic procedures or contact a qualified fire alarm technician.

## 7. SPECIFICATIONS

Brand	DISC
Model Number	XTRI-S
Part Number	SXTRIS
UPC	742779295156
Power Source	Battery Powered (as per product specifications)
First Available	November 20, 2020




## 8. WARRANTY AND SUPPORT



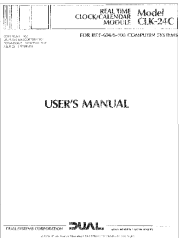
The DISC XTRI-S Addressable Monitor Module comes with a **12-month warranty** from the date of purchase, covering manufacturing defects. Additionally, a **30-day return policy** is available if you are not satisfied with the product.

For technical support, warranty claims, or return inquiries, please contact DISC customer service. Our dedicated team is available to assist you with any questions regarding our products and your orders.

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### Related Documents - XTRI-S

	<p><a href="#">Siemens XTRI-M Addressable Interface Module Installation Instructions</a></p> <p>Installation instructions and technical details for the Siemens XTRI-M Addressable Interface Module with Dual Isolators, covering wiring, programming, mounting, and electrical ratings for fire alarm systems.</p>
	<p><a href="#">Cerberus Pyrotechnics CE-S IXL Control Element Module - Technical Specifications</a></p> <p>Detailed technical specifications, features, operation, installation, and ordering information for the Cerberus Pyrotechnics CE-S IXL Control Element Module, a fire alarm system component.</p>
	<p><a href="#">Siemens FDCIO422 Addressable Input/Output Module Installation Instructions</a></p> <p>Comprehensive installation guide for the Siemens FDCIO422 Addressable Input/Output Module, detailing its features, programming, wiring configurations, mounting procedures, technical specifications, and diagnostic information for fire alarm systems.</p>

 <p>R&amp;S@OSP Open Switch and Control Unit Operating Manual</p>	<p><a href="#">R&amp;S@OSP Open Switch and Control Unit Operating Manual</a></p> <p>Comprehensive operating manual for the Rohde &amp; Schwarz R&amp;S@OSP Open Switch and Control Unit, detailing setup, operation, functions, safety instructions, and module specifications for test and measurement applications.</p>
 <p>Carlson Software 2015</p>	<p><a href="#">Carlson Software 2015 User Manual - Comprehensive Guide</a></p> <p>Explore the comprehensive user manual for Carlson Software 2015. This guide provides detailed instructions, features, and technical specifications for Carlson Software Inc.'s 2015 release, covering surveying, civil engineering, and mining applications.</p>
 <p>Model CLK-24C REAL TIME CLOCK/CALNDAR MODULE</p> <p>USER'S MANUAL</p> <p>DUAL</p>	<p><a href="#">DUAL CLK-24 Real Time Clock/Calendar Module User's Manual for IEEE-696/S-100 Systems</a></p> <p>User manual for the DUAL Systems CLK-24 Real Time Clock/Calendar Module, providing date and time functionality for IEEE-696/S-100 computer systems. Covers installation, operation, programming, and technical specifications.</p>