# 270 SERIES NETWORK TRANSIENT SUPPRESSION MODULE
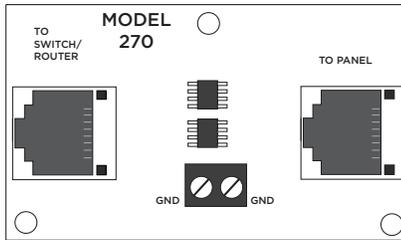## *Installation Guide*



**Figure 1:  270 Module**

## DESCRIPTION

The Model 270 protects panels by suppressing electrical surges on Ethernet connections.

The 270 Series Transient Suppression Module may be installed with XR150/XR550 Series or XR150INT/XR550INT Series control panels.

### Compatibility

- XR150/XR550 Series panels

- XR150INT/XR550INT Series panels (Model 270INT)

### What is Included?

- One 270 Transient Suppression Module

- One Model 357-2 Cat 5 Cable

- Hardware Pack

# 1 MOUNT THE MODULE

The module can be mounted in a DMP enclosure using the standard 3-hole mounting pattern. Refer to Figure 2 as needed during installation.

1. Hold the plastic standoffs against the inside of the enclosure side wall.
2. Insert the included Phillips head screws from the outside of the enclosure into the standoffs. Tighten the screws.
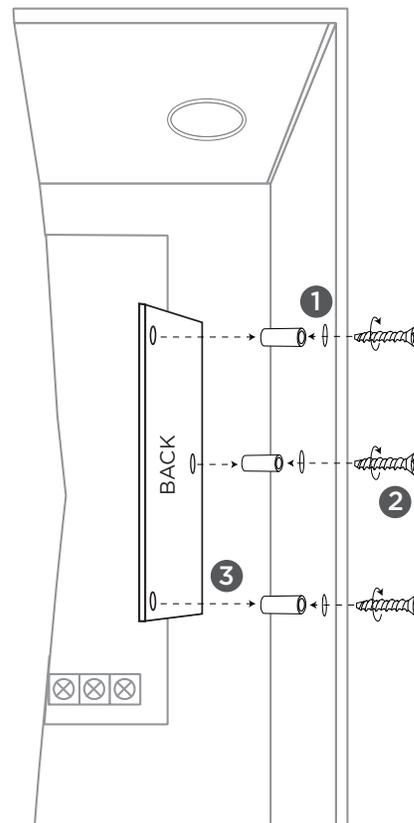3. Carefully snap the module onto the standoffs.



**Figure 2:  Standoff and Module Installation**

# 2 WIRE THE MODULE

⚡ **Caution:** Disconnect all power from the panel before wiring the module. Failure to do so may result in equipment damage or personal injury.

1. Connect the included 357-2 cable from TO PANEL to the panel.
2. Connect an Ethernet cable from TO SWITCH/ROUTER to a network (LAN/WAN) connection.
3. Connect an 18-gauge or larger wire from one of the GND Terminals to panel Terminal 4.

## Compliance Listing Specifications

For UL listed installations, the Model 270 must be used if the network switch is not installed in the same room as the panel.
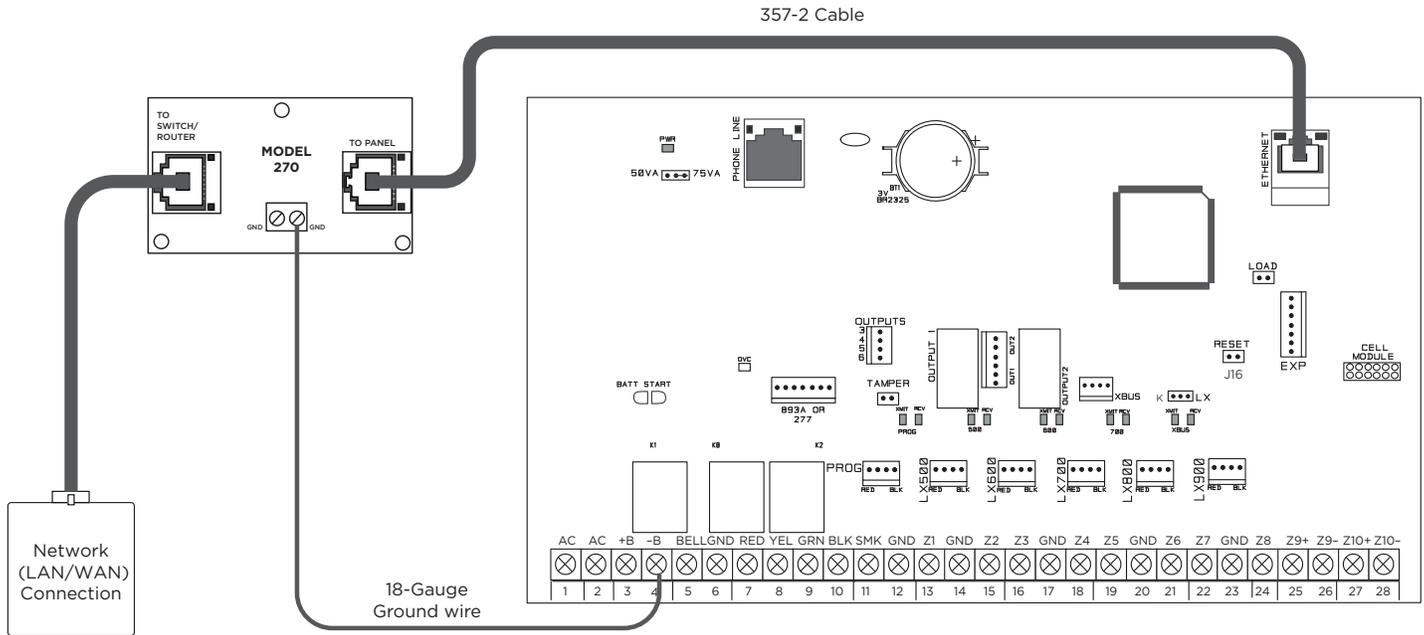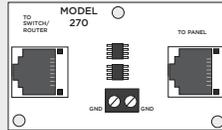


**Figure 3: Wiring Diagram**

## 270 SERIES NETWORK TRANSIENT SUPPRESSION MODULE

### Specifications

| | |
|---|---|
| Weight | 6.0 oz (0.16 kg) |
| Dimension | 2.75" W x 1.60" H<br>6.99 cm W X 4.06 cm H |

### Certifications

Underwriter's Laboratory (UL) Listed

| | |
|---|---|
| ANSI/UL 294 | Access Control |
| Level I | Destructive Attack, Line Security |
| Level IV | Endurance, Standby Power |
| ANSI/UL 985 | Household Fire Warning |
| ANSI/UL 1023 | Household Burglar |
| ANSI/UL 1076 | Proprietary Burglar |
| ANSI/UL 1610 | Central Station Burglary |
| ANSI/UL 1635 | Digital Burglar |
| ANSI/UL 864 | Fire Protective Signaling 9th Edition |
| ULC S545 | Household Fire |
| ULC Subject-C1023 | Household Burglar |
| ULC/ORD-C1076 | Proprietary Burglar |
| ULC S304 | Central Station Burglar |
| ULC-S559-04 | Equipment for Fire Signal Receiving Centers and Systems |

## International Certifications

| | |
|---|---|
| Security Grade: | 3 |
| Environmental Class: | II |

Intertek (ETL) Listed

| | |
|---|---|
| EN 50131-1:2006+A1 | Intrusion and hold-up systems |
| EN 50131-3:2009 | Control and Indicating Equipment |
| EN 50131-6:2008 | Power Supplies |
| EN 50133-1:1997 | Access Control Systems |
| EN 50130-4 | EMC Product Family Standard: Immunity Requirements for Components of Fire, Intruder and Social Alarm Systems |
| EN 50130-5 | Environmental Standards |
| EN 61000-3-2 | Limits - Limits for Harmonic Current Emissions (Equip. Input Current up to and Including 16 A per Phase) Includes A1 & A2 July 1, 2009 |
| EN 61000-3-3 | Limitation of Voltage Fluctuations & Flicker in Low-Voltage Supply Systems for Equip. with Rated Current Less Than or Equal to 16 A per Phase & Not Subject to Conditional Connection |
| EN 61000-6-4 | Generic Standards - Emission Standard for Industrial Environments |

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