

860 Relay Module

Description

The Model 860 Relay Module dry relay contacts are programmable and controlled from DMP panel annunciator outputs. This module includes one Form C (SPDT) relay rated for 1 Amp @ 30 VDC. Sockets are provided to allow the addition of three Model 305 plug-in relays. These relays can be used for electrical isolation between the alarm panel and another system or switching 5, 12, or 24 Volts to control various functions within a building or around its perimeter.

Installing the 860

The 860 is designed to easily mount inside the panel enclosure using the standard 3-hole mounting configuration. See Figure 1.

1. Mount the plastic standoffs to the enclosure using the three included Phillips head screws.
2. Insert the screws from the outside of the enclosure through the holes and into the plastic standoff that mounts on the inside of the enclosure.
3. After tightening and securing the standoffs onto the enclosure, snap the 860 onto the standoffs.

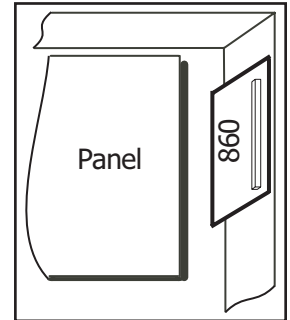


Figure 1: Mounting

Wiring

J2 - Connect one end of the enclosed wiring harness to the 860 module J2 header and the opposite end to the panel annunciator output header. The annunciator output header on the XT30/XT50 Series, XR100/XR500 Series, XR150/XR350/XR550 Series, XT30INT, and XR150INT/XR550INT is J11.

+12 VDC - To supply power to the 860 relay coils, connect minimum 22 AWG wire from the 860 module +12

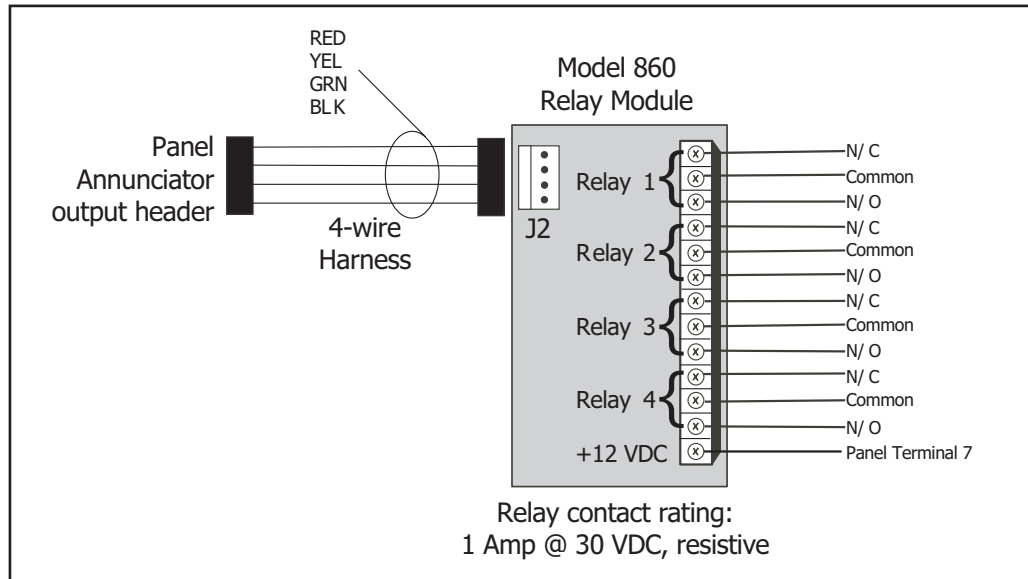


Figure 2: Wiring

Installing Additional Relays

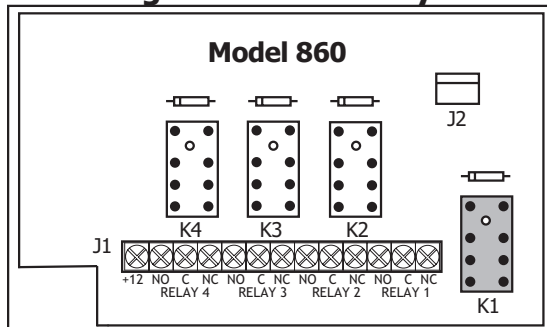


Figure 3: Relay Installation

Up to three additional DMP Model 305 relays can be installed in the 860 module sockets, K2, K3, and K4. To install, orient the relay as shown in Figure 3 and gently insert into the socket. Check the relay for any bent pins and be sure it is completely seated into the socket.

Applications

The panel annunciator outputs are switched ground and switch each of the four Model 860 relay coil voltages to ground. The panel annunciator outputs can be programmed to respond to any of the conditions listed below:



- | | | |
|----------------------------------|-------------------------------|-----------------------------|
| 1) Activation by zone conditions | 5) Fire Alarm or Fire Trouble | 9) Ground start activation |
| 2) Manually from the keypad | 6) Ambush Alarm | 10) Burglary Alarm |
| 3) Communication failure | 7) Exit and Entry timers | 11) Schedules |
| 4) Armed area annunciation | 8) System Ready | 12) Other system conditions |

See the appropriate panel Programming Guide for information on how to program the annunciator outputs. The 860 module may also draw 12 VDC power from another power source, such as DMP Model 505-12 Power Supply.

Compliance Listing Specifications

ULC Commercial Burglary (XR100/XR500 Series and XR150/XR350/XR550 Series Panels)

If installed in another enclosure, place the relay module with at least one zone expander in a listed enclosure and connect a DMP Model 307 Clip-on Tamper Switch to the enclosure programmed as a 24-Hour zone.

<p>Specifications</p> <p>Operating Current 12 VDC</p> <p>Operating Current 1 Relay 34mA 2 Relays 69mA 3 Relays 104mA 4 Relays 138mA</p> <p>Weight 3.2 oz .09 Kg</p> <p>Dimensions 4.25 W x 2.5 H in. 10.8 W X 6.4 H cm</p> <p>Compatibility</p> <p>XT30/XT50 Series XR100/XR500 Series XR150/XR350/XR550 Series XR30INT Series XR150INT/XR550INT Series</p> <p>Certifications</p> <p>California State Fire Marshal (CSFM) New York City (FDNY COA #6167) ANSI/UL 294 Access Control System Units ANSI/UL 365 Police Station Alarm Units ANSI/UL 609 Local Burglary Alarm Units and Systems ANSI/UL 864 Fire-Protective Signaling Systems ANSI/UL 985 Household Fire Warning System Unit ANSI/UL 1076 Proprietary Burglary Alarm Units and Systems ANSI/UL 1610 Central Station Burglary Alarm Units ULC Subject-C1023 Household Burglar ULC/ORD-C1076 Proprietary Burglar ULC S304 Central Station Burglar ULC S545 Household Fire</p>	<p>International Certifications</p> <p>Security Grade: 3</p> <p>Environmental Class: II</p> <p>Intertek (ETL) EN 50130-4 EMC Product Family Standard: Immunity Requirements for Components of Fire, Intruder and Social Alarm Systems Environmental Standards</p> <p>EN 50130-5 EN 50131-1:2006+A1 Intrusion and hold-up systems EN 50131-3:2009 Control and Indicating Equipment 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</p> <p>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</p> <p>EN 61000-6-4 Generic Standards - Emission Standard for Industrial Environments</p> <div style="text-align: center;">  Intertek </div>	
	<p>800-641-4282</p> <p>www.dmp.com</p> <p>Designed, Engineered and Assembled in USA</p>	<p>INTRUSION • FIRE • ACCESS • NETWORKS</p> <p>2500 North Partnership Boulevard</p> <p>Springfield, Missouri 65803-8877</p>