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Description

The MR Series Multi-Voltage Control Relays offer SPDT or DPDT 10 amp resistive contacts which may be operated by one of four input control voltages. A single relay may be energized from a voltage source of 24VDC, 24VAC, 115VAC, or 230 VAC by wiring to appropriate input terminals.

Each relay position contains a red light emitting diode (LED) which indicates the relay coil is energized.

These devices are ideal for applications where local contacts are required for system status, remote contacts for control of electrical loads, and general purpose switching.

They are suitable for use with HVAC, Temperature Control, Fire Alarm, Security, Energy Management, and Lighting Control Systems.

Features

- Relays may be energized from a voltage source of 18 to 35VDC or VAC, 120VAC or 230VAC
- Each relay position contains a red LED, which illuminates when the coil is energized. This provides a time saving device when checking an installed system – no metering is required
- Single, dual or triple relay modules may be “snapped apart” from standard 4-position master
- DC control inputs are polarized
- For continuous duty use at 24VAC, 24VDC or 120VAC (NOTE: Not intended for continuous duty use @ 230VAC)
- Available in dust resistant enclosures with LED viewing port(s)
- C versions mounted in enclosures
- C/R versions with red covers for NYC and other uses
- T versions come complete with track mounting hardware which facilitates installation in standard cabinets
- UL recognized relays rated at 10,000,000 mechanical operations
- UL listed as Control Unit Accessory



Ordering Information

Model Number	Part Number	Description
MR-101T	345-0232	(1) SPDT (1 form C), 24VDC/VAC or 115/230VAC w/LED, track mounted
MR-101C	345-0461	(1) SPDT (1 form C), 24VDC/VAC or 115/230VAC w/LED, in gray surface enclosure
MR-201T	349-0721	(1) DPDT (2 form C), 24VDC/VAC or 115/230VAC w/LED, track mounted
MR-201C	345-0449	(1) DPDT (2 form C), 24VDC/VAC or 115/230VAC w/LED, in gray surface enclosure
MR-204C	345-0451	(4) Relay, (4) DPDT (8 form C), 24VDC/VAC or 115/230VAC w/(4) LED's in gray surface enclosure
MR-204CR	MR-204CR	(4) Relay, (4) DPDT (8 form C), 24VDC/VAC or 115/230VAC w/(4) LEDs in red surface enclosure
MR-201CR	MR-201CR	(1) SPDT (1 form C), 24VDC/VAC or 115/230VAC w/LED, in red surface enclosure

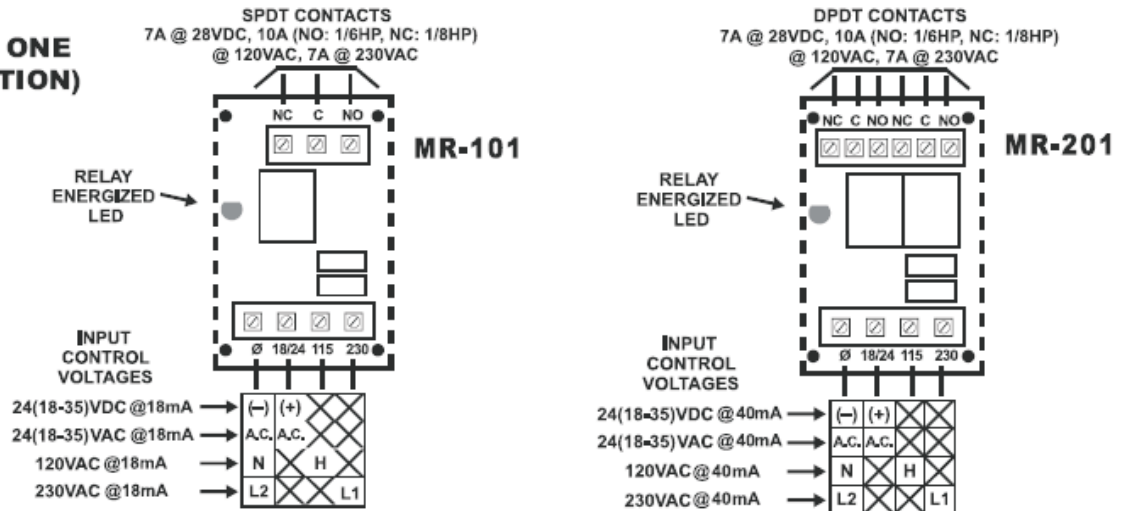
Product Specifications

Model Number	Module Positions	Contact Configuration Per Position	Track Mounted H x W x D	Enclosure Mounted H x W x D	Model Number	Module Positions	Contact Configuration Per Position	Track Mounted H x W x D	Enclosure Mounted H x W x D
MR-101/T	1	SPDT	3.25" (82mm) 2.125" (54mm) 1.50" (38mm)		MR-201/T	1	DPDT	3.25" (82mm) 2.125" (54mm) 1.50" (63mm)	
MR-101/C	1	SPDT		5.125" (130mm) 3.125" (79mm) 2.50" (63mm)	MR-201/C	1	DPDT		5.125" (130mm) 3.125" (79mm) 2.50" (63mm)
MR-101/C/R	1	SPDT			MR-201/C/R	1	DPDT		
MR-104/T	4	SPDT	3.25" (82mm) 8.5" (215mm) 1.50" (38mm)		MR-204/T	4	DPDT	3.25" (82mm) 8.5" (215mm) 1.50" (38mm)	
MR-104/C	4	SPDT		5.125" (130mm) 9.50" (241mm) 2.50" (63mm)	MR-204/C	4	DPDT		5.125" (130mm) 9.50" (241mm) 2.50" (63mm)
MR-104/C/R	4	SPDT			MR-204/C/R	4	DPDT		

COIL VOLTAGE: MR-100: 24(18-35)VDC, 24(18-35)VAC, 120VAC, 230VAC
 MR-200: 24(18-35)VDC, 24VAC, 120VAC, 230VAC
 (Pull in voltage: 75% of nominal max. @ 25°C; Drop out voltage: 25% of nominal min. @ 25°C)

POLARIZED:	DC input only
ENERGIZED LED INDICATOR:	One per module position
CURRENT REQUIREMENT:	Per module position: MR-100 Series = 18mA / MR-200 Series = 40mA
CONTACT RATINGS:	7A @28VDC / 10A (NO: 1/6HP, NC: 1/8HP) @ 120VAC / 7A @ 230VAC
CONTACT CONSTRUCTION:	Dry Form "C"
ENVIRONMENTAL:	32°F to 120°F (0°C to 49°C) @ 85% RH (@ 32°F), Non-condensing, Non-freezing
WIRING:	Solid or stranded; #12 to #22 AWG terminals
T VERSIONS:	3.5" wide, low profile plastic snap track provided with mounting screws
C VERSIONS:	Backbox: 18ga CRS, plated with 1/2" conduit knockouts top and bottom

WIRING (TYPICAL FOR ONE MODULE POSITION)



NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured for Harrington Signal Inc. by Air Products & Controls, Ltd.

Call for availability on items not listed in the ordering information