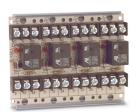


MR-700 SERIES 12VDC / 24VDC RELAYS

PRODUCT DESCRIPTION

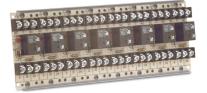


The MR-700 Series Relays offer SPDT 10 Amp contacts which may be operated by either 12VDC or 24VDC input control voltages.

Each relay position contains a red LED, which indicates the relay coil is energized. Relays may be "snapped apart" from standard 2, 4, or 8 position modules, and are also available in the single position configuration. Relays are available with either mounting spacers, track mounting hardware, or are mounted in enclosures.



These devices are ideal for applications where local contacts are required for control of electrical loads for control of electrical loads or for general purpose switching. They are suitable for use with HVAC, Temperature Control, Fire Alarm, Security, Energy Management, and Lighting Control Systems.

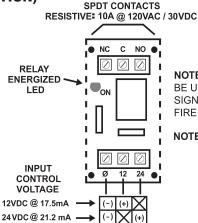


FEATURES

- Relays may be energized from a voltage source of I2VDC or 24VDC
- Each relay position contains a red LED, which illuminates when the coil is energized, providing 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 2, 4 and 8 position masters
- * DC coil inputs are polarized
- "/S" and "/T" versions UL Recognized Component, "/C" and "/C/R" versions UL listed

- Available in dust resistant enclosures with LED viewing port(s)
- ❖ "/C" and "/C/R" versions mounted in enclosures
- "/C/R" versions with red covers for NYC and other uses
- "/S" versions supplied with spacers for installation on standard back panels
- "/T" versions come complete with track mounting hardware which facilitates installation in standard cabinets
- "/T" versions are configured for an available optional DIN/ "A" series rail mounting clip (TK-CL)

WIRING (TYPICAL FOR ONE MODULE POSITION)



NOTE: INPUT POWER SUPPLY SHOULD BE UL LISTED FOR FIRE PROTECTION SIGNALING SYSTEMS WHEN USED IN FIRE ALARM APPLICATIONS

NOTE: DC COIL INPUTS ARE POLARIZED



RECOGNIZED COMPONENT



MEA ACCEPTED

UUKL Smoke Control

Air Products and Controls ã a Brand of Apollo America 25 Corporate Drive Auburn Hills, MI 48326 (248) 332-3900 Phone (888) 332-2241 Toll free (248) 332-8807 Fax www.ap-c.com



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PRODUCT SPECIFICATIONS

MODERS		MODULE	CONTACT I	SPACER	TRACK	ENCLOSURE	ı	UL*	MEA	CSFM			
NUMBERS: TIONS PER POSITION Hx Wx D	MODEL						COVER	1	1				
MR.701/S 1 SPDT 1.68° (27mm) 1.25° (32mm) 1.375° (38mm) 1.25° (31mm) 1.25° (32mm) 1.25° (32mm) 1.25° (34mm) 1.25° (34mm													
MR-701/C 1 SPDT 2.00° (Sfmm) 1.375° (35mm) SPDT 2.00° (64mm) 1.375° (35mm) SPDT 2.50° (64mm) 3.125° (80mm) 2.50° (64mm) 2.50° (64m				3.25" (83mm) 1.06" (27mm)	TIAW X B	TIAW X D				1000 1001			
MR-701/C SPDT	MR-701/T	1	SPDT		2.00" (51mm)			UUXXZ					
MR-702/C SPDT SPD	MR-701/C	1	SPDT			5.125" (131mm) 3.125" (80mm)	ABS 94V-O Plastic	1		:110			
MR-702/T 2 SPDT	MR-701/C/R	1	SPDT				ABS 94V-O	1					
MR-702/T 2 SPDT 2.125" (58mm) 1.375" (35mm) S.125" (131mm) 1.375" (35mm) S.125" (131mm) 1.375" (35mm) S.125" (131mm) 1.375" (35mm) S.125" (80mm) 1.375" (80mm) 2.50" (64mm) S.125" (80mm) 2.50" (64mm) S.125" (31mm) 1.25" (32mm) 1.25" (32mm) 1.375" (35mm) S.125" (131mm) 1.25" (32mm) 1.25"	MR-702/S	2	SPDT	2.125" (54mm)				UOXX2					
MR-702/C R 2 SPDT	MR-702/T	2	SPDT		2.125" (54mm)								
MR-702/C/R 2 SPDT 2.50" (64mm) ABS 94V-O Plastic UUXL Vol. 29	MR-702/C	2	SPDT				ABS 94V-O	1		:110			
MR-704/S 4 SPDT 4.25" (108mm) 1.25" (32mm)	MR-702/C/R	2	SPDT				ABS 94V-O		1				
MR-704/C 4 SPDT 4.25° (108mm) 1.375° (35mm)	MR-704/S	4	SPDT	4.25" (108mm)				IIOVV2					
MR-704/C 4 SPDT 5.125" (131mm) 9.50" (242mm) 2.50" (64mm) 18ga CRS UOXX2 UUXL Vol. 29 (110 Mm) 2.50" (64mm) UOXX2 UUXL Vol. 29 (110 Mm) 2.50" (64mm) 1110 UOXX2 UUXL Vol. 29 (110 Mm) 2.50" (64mm) WR-708/CRS 8 SPDT 3.25" (83mm) 8.50" (215mm) 1.25" (32mm) J.25" (32mm) J.25" (32mm) J.25" (32mm) J.25" (31mm) 9.50" (242mm) 2.50" (64mm) Plated 18ga CRS UUXX2 UUXX2 UUXX2 Vol. 29 (250" (64mm)) J.25" (131mm) 9.50" (242mm) 2.50" (64mm) Plated 18ga CRS UUXX2	MR-704/T	4	SPDT		4.25" (108mm)			UUXXZ					
MR-704/C/R 4 SPDT 2.50" (64mm) Red 18ga CRS UOXX2 UUKL Vol. 29 UUKL Vol. 29 UUKL Vol. 29 CRS MR-708/S 8 SPDT 3.25" (83mm) 8.50" (215mm) 1.25" (32mm) UOXX2 MR-708/T 8 SPDT 3.50" (89mm) 8.50" (215mm) 1.375" (35mm) Plated 18ga CRS UOXX2 UUXL Vol. 29 UOXX UUXL Vol. 29 MR-708/C/R 8 SPDT 5.125" (131mm) 9.50" (242mm) 2.50" (64mm) Plated 18ga CRS UOXX2 UUXL Vol. 29 UOXX UUXL Vol. 29 POWER REQUIREMENTS: Per Position: 12VDC @ 17.5mA or 24VDC @ 21.2mA POLARIZED COIL INPUT(S): DC inputs only ENERGIZED LED INDICATOR: One red LED per module position CONTACT CONSTRUCTION: Resistive load: 10A @ 120VAC / 30VDC CONTACT CONSTRUCTION: One dry form "C" SPDT per module position AMBIENT TEMPERATURE: 32"F to 120"F (0"C to 49"C) @ 85% RH (@ 32"F), Non-Condensing, Non-Freezing WIRING: Solid or stranded; #14 to #22 AWG terminals /T VERSIONS: 3.5" wide, low profile plastic snap track provided with mounting screws /S VERSIONS: Aluminum Spacers provided with #8 X 7/8" self tapping sheet metal screws /C VERSIONS: Back Box: 18ga CRS, plated with 1/2" conduit knockouts top and bottom </td <th>MR-704/C</th> <td>4</td> <td>SPDT</td> <td></td> <td></td> <td></td> <td>18ga CRS</td> <td>1</td> <td></td> <td>:110</td>	MR-704/C	4	SPDT				18ga CRS	1		:110			
MR-708/S 8 SPDT 8.50" (215mm) 1.25" (32mm) JOXX2 MR-708/T 8 SPDT 3.50" (215mm) 1.375" (35mm) Plated 18ga CRS UOXX2 MR-708/C 8 SPDT 5.125" (131mm) 9.50" (242mm) 2.50" (64mm) Plated 18ga CRS UOXX2 UUXX2 UOXX2 UOXX2 UUXX2 UUXX2 UUXX2<	MR-704/C/R	4	SPDT				18ga						
MR-708/C 8 SPDT 8.50" (215mm) 1.375" (35mm) MR-708/C 8 SPDT 5.125" (131mm) 9.50" (242mm) 2.50" (64mm) MR-708/C/R 8 SPDT 5.125" (131mm) 9.50" (242mm) 2.50" (64mm) Plated 18ga CRS UOXX Red 18ga CRS UUKL Vol. 29 POWER REQUIREMENTS: Per Position: 12VDC @ 17.5mA or 24VDC @ 21.2mA POLARIZED COIL INPUT(S): DC inputs only ENERGIZED LED INDICATOR: One red LED per module position CONTACT RATINGS: Resistive load: 10A @ 120VAC / 30VDC CONTACT CONSTRUCTION: One dry form "C" SPDT per module position AMBIENT TEMPERATURE: 32°F to 120°F (0°C to 49°C) @ 85% RH (@ 32°F), Non-Condensing, Non-Freezing WIRING: Solid or stranded; #14 to #22 AWG terminals /T VERSIONS: 3.5" wide, low profile plastic snap track provided with mounting screws /S VERSIONS: Aluminum Spacers provided with #8 X 7/8" self tapping sheet metal screws /C VERSIONS: Back Box: 18ga CRS, plated with 1/2" conduit knockouts top and bottom	MR-708/S	8	SPDT	8.50" (215mm)				UOXX2					
MR-708/C 8 SPDT 5.125" (131mm) 9.50" (242mm) 2.50" (64mm) 18ga CRS UUXX UUXX UUXX Red 18ga CRS UUXX UUXX UUXX Vol. 29 CRS UUXX UUXX Vol. 29 CRS UUXX Vol. 29 CRS UUXX UUXX Vol. 29 CRS UUXX VOL.	MR-708/T	8	SPDT		8.50" (215mm)			00/012					
MR-708/C/R 8 SPDT 2.50" (64mm) Red 18ga CRS UUKL Vol. 29 POWER REQUIREMENTS: Per Position: 12VDC @ 17.5mA or 24VDC @ 21.2mA POLARIZED COIL INPUT(S): DC inputs only ENERGIZED LED INDICATOR: One red LED per module position CONTACT RATINGS: Resistive load: 10A @ 120VAC / 30VDC CONTACT CONSTRUCTION: One dry form "C" SPDT per module position AMBIENT TEMPERATURE: 32°F to 120°F (0°C to 49°C) @ 85% RH (@ 32°F), Non-Condensing, Non-Freezing WIRING: Solid or stranded; #14 to #22 AWG terminals /T VERSIONS: 3.5" wide, low profile plastic snap track provided with mounting screws /S VERSIONS: Aluminum Spacers provided with #8 X 7/8" self tapping sheet metal screws /C VERSIONS: Back Box: 18ga CRS, plated with 1/2" conduit knockouts top and bottom	MR-708/C	8	SPDT				18ga CRS			·110			
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NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The products described have specific instructional/installation documentation, which covers various technical, approval, code, limitation and liability information. Copies of this documentation along with any general product warning and limitation documents, which also contain important information, are provided with the product and are also available from Air Products and Controls Inc. The information contained in all of these documents should be considered before specifying or using the products. Any example applications shown are subject to the most current enforced local/national codes, standards, approvals, certifications, and/or the authority having jurisdiction. All of these resources, as well as the specific manufacturer of any shown or mentioned related equipment, should be consulted prior to any implementation. For further information or assistance concerning the products, contact Air Products and Controls Inc. Air Products and Controls Inc. reserves the right to change any and all documentation without notice.