



# RELAYS & CONTACTORS

## AIR PRODUCTS AND CONTROLS MULTI-VOLTAGE CONTROL RELAYS MR SERIES

### DESCRIPTION

The **AP MR Series** multi-voltage control relays offer SPDT or DPDT contacts which may be operated by multiple input control voltages. Each relay section contains a red LED, which indicates the relay coil is energized. Relay sections may be snapped apart from standard four- or eight-section assemblies and used independently. These relays are ideal for applications where local or remote contacts are required for control of electrical loads and general-purpose switching. They are suitable for use with HVAC, temperature control, fire alarm, security, building automation, and lighting control systems.

### FEATURES

- Multi-voltage input, SPDT or DPDT control relays
- LED indication when relay is energized
- Snap-apart relay sections from standard four or eight-section assemblies
- Track, spacer, or enclosed mounting options
- Dust-proof housing with LED viewing holes on enclosed models
- Relays rated for 10 million mechanical operations



MR-101/T



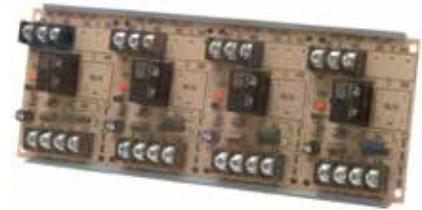
MR-601/T



MR-801/S



MR-101/C



MR-104/T



### SPECIFICATIONS

	SERIES			
	MR-100	MR-200	MR-600	MR-800
Relay sections (snap-apart)	1 or 4		1, 4, or 8	
Voltage input	24 VDC @ 18 mA 24 VAC @ 18 mA 120 VAC @ 18 mA 230 VAC @ 18 mA	24 VDC @ 40 mA 24 VAC @ 40 mA 120 VAC @ 40 mA 230 VAC @ 40 mA	24 VAC, 24 VDC @ 15 mA	24 VDC @ 22 mA 24 VAC @ 60 mA 120 VAC @ 20 mA
Contact type	SPDT	DPDT	SPDT	
Contact rating	10A resistive @ 120 VAC 7A resistive @ 230 VAC/28 VDC N.O.: 1/6 hp @ 120 VAC N.C.: 1/8 hp @ 120 VAC		10A @ 120 VAC 7A @ 24 VDC	10A @ 120 VAC 7A @ 30 VDC/277 VAC 1/4 hp @ 120 VAC 1/3 hp @ 250 VAC
Temperature	32° to 120°F (0° to 49°C)		32° to 120°F (0° to 49°C)	
Indication	LED			
Mounting	Track or enclosed		Track	Track or spacer
Wiring	Solid or stranded, 14 to 22 AWG terminals			
Enclosure option	18-gauge metal back, ABS-94VO plastic cover 1/2" knockouts		-	
Manual override	-		On/Auto/Off Switch	-
Dimensions	3.25"H x 2.13"W x 1.5"D (8.25 x 5.39 x 3.81 cm)		3.5"H x 2.13"W x 1.38"D (8.9 x 5.4 x 3.5 cm)	
Enclosure dimensions	5.13"H x 3.13"W x 2.5"D (13.46 x 7.95 x 6.35 cm) or 5.13"H x 9.5"W x 2.5"D (13.46 x 24.13 x 6.35 cm)		-	
Agency approvals	UL-recognized component, File #S3403 Enclosed model UL listed, File #S3403		UL-recognized component, File #S3403	

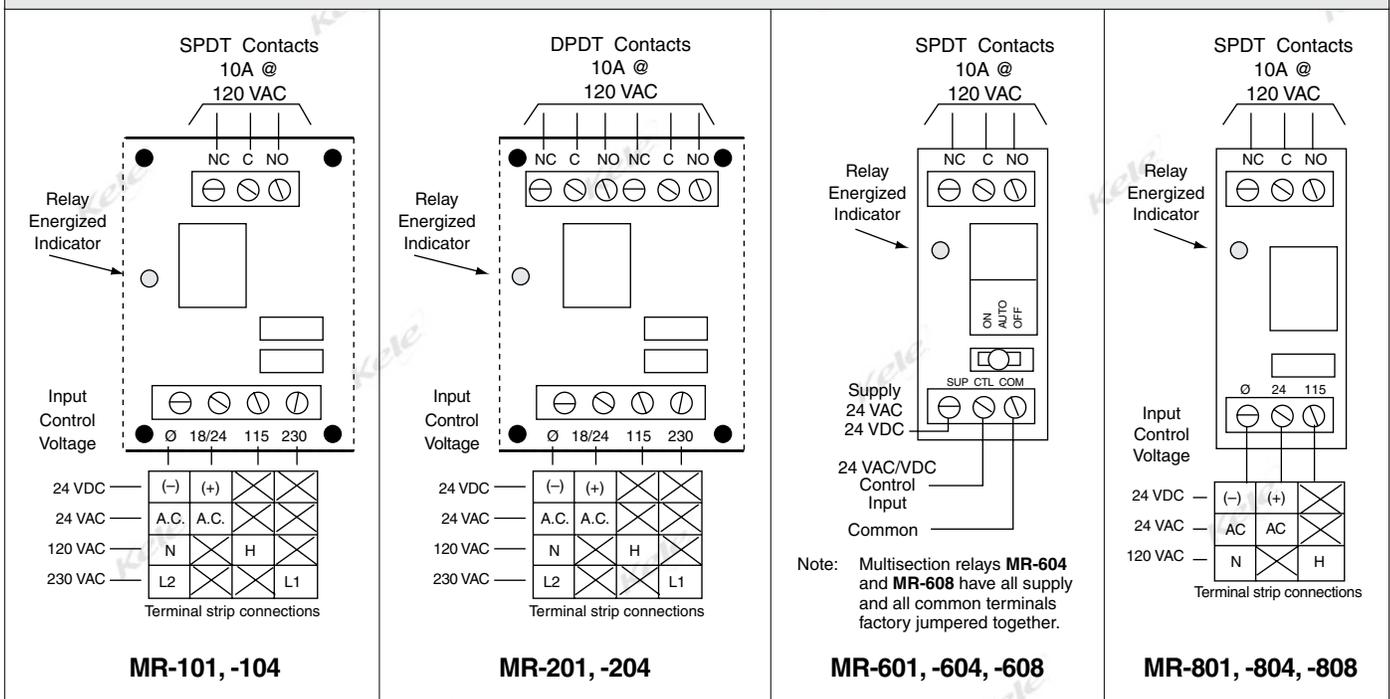
\* Specifications are for each relay section.

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### WIRING



### ORDERING INFORMATION

MODEL	COIL VOLTAGE				SECTIONS		MOUNTING			SWITCH	AGENCY APPROVALS		
	24 VDC	24 VAC	120 VAC	230 VAC	SPDT (10A)	DPDT (10A)	Track (included)	Spacers (included)	Enclosure (included)	Manual Override On/Auto/Off	UL	MEA	CSFM
MR-101/T	X	X	X	X	1		X				Recognized		X
MR-101/C	X	X	X	X	1				X		Listed	X	X
MR-104/T	X	X	X	X	4		X				Recognized		X
MR-104/C	X	X	X	X	4				X		Listed	X	X
MR-201/T	X	X	X	X		1	X				Recognized		X
MR-201/C	X	X	X	X		1			X		Listed	X	X
MR-204/T	X	X	X	X		4	X				Recognized		X
MR-204/C	X	X	X	X		4			X		Listed	X	X
MR-601/T	X	X			1		X			X	Recognized		
MR-604/T	X	X			4		X			X	Recognized		
MR-608/T	X	X			8		X			X	Recognized		
MR-801/T	X	X	X		1		X				Recognized		
MR-801/S	X	X	X		1			X			Recognized		
MR-804/T	X	X	X		4		X				Recognized		
MR-804/S	X	X	X		4			X			Recognized		
MR-808/T	X	X	X		8		X				Recognized		
MR-808/S	X	X	X		8			X			Recognized		