



You in Control

MR-110 SERIES

20A FUSED RELAYS

PRODUCT DESCRIPTION

The MR-110 Series Relays offer SPDT 20A contacts which are operated from a 24VDC control input. The common output contact contains a 20A fuse which protects the contacts and load from over current.

Each relay position contains a red LED which indicates when the relay coil is energized. Relays may be “snapped apart” from a standard 4 module assembly and used independently. Relays are available with snap track and mounting hardware or a single MR-111 is also available mounted in a sturdy NEMA 1 enclosure.

These devices are ideal for applications where control of up to 20A electrical loads are required. They are suitable for use with HVAC, Temperature Control, Fire Alarm, Security, Energy Management and Lighting Control Systems.



MR-114/T



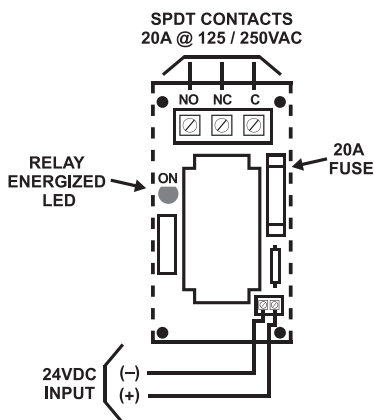
MR-111/T

 **RECOGNIZED COMPONENTS**



MR-111/C

WIRING (TYPICAL FOR ONE MODULE POSITION)



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PRODUCT SPECIFICATIONS

MODEL NUMBER	MODULE POSITIONS	CONTACT CONFIGURATION PER POSITION	TRACK MOUNTED H X W X D	ENCLOSURE MOUNTED H X W X D	COVER MATERIAL
MR-111/T	1	SPDT	3.40" (86mm) 2.14" (54mm) 3.65" (92mm)		
MR-111/C	1	SPDT		5.125" (130mm) 3.1" (78mm) 4.12" (104mm)	Plated 18ga CRS
MR-111/C/R	1	SPDT		5.125" (130mm) 3.1" (78mm) 4.12" (104mm)	Red 18ga CRS
MR-114/T	4	SPDT	3.40" (86mm) 8.56" (217mm) 3.65" (92mm)		

POWER REQUIREMENTS:	Per module position: 24VDC @ 67mA
COIL DATA:	24VDC nominal, Pick-up = 19.2VDC, Drop-out = 3.6VDC, Max = 26.4VDC
COMPONENTS:	Uses UL Recognized
POLARIZED:	Yes
ENERGIZED LED INDICATOR:	One per module position
CONTACT RATINGS:	20A @ 125 / 250VAC resistive; 10A @ 125 / 250VAC inductive 0.75PF; 0.5KW @ 125VAC lamp; 0.75HP @ 125VAC / 2HP @ 250VAC motor; 15A @ 24VDC / 0.8A @ 125VDC resistive
ENVIROMENTAL:	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
FUSE:	20A field replaceable 1.25" buss type
/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

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.