



PAM Series

Multi-Voltage Relay Modules

The PAM Series Relays are encapsulated multi-voltage devices with "flying" leads that offer versatile, reliable performance in a convenient package. The PAM-1 and PAM-2 both have a red LED which indicates when the relay coil is energized. The PAM Series Relays are packaged with a self-tapping screw and a piece of double sided tape for easy installation almost anywhere. The relays are also packaged with wire-nuts to aid installation. PAM Relays are ideal for applications where remote relays are required for control or status feedback. They are suitable for use with HVAC, Temperature Control, Fire Alarm, Security, Energy Management, Lighting Control Systems and Building Automation Systems.



Specifications

Coil Voltage	PAM-1: 24 VAC/24 VDC/120 VAC	PAM-2: 12 VDC/24 VDC	PAM-4: 9-40 VDC	PAM-SD: 20-32 VDC
Polarized	All PAMs: Yes			
Energized LED Indicator	PAM-1: Yes	PAM-2: YES	PAM-4: No	PAM-SD: No
Current Requirement (12 VDC)	PAM-1: ----	PAM-2: 15 mA	PAM-4: 15 mA	PAM-SD: ----
Current Requirement (24 VDC)	PAM-1: 15 mA	PAM-2: 15 mA	PAM-4: 15 mA	PAM-SD: 15 mA
Current Requirement (24 VAC)	PAM-1: 50 mA	PAM-2: ----	PAM-4: ----	PAM-SD: ----
Current Requirement (120 VAC)	PAM-1: 30 mA	PAM-2: ----	PAM-4: ----	PAM-SD: ----
Contact Configuration	All PAMs: SPDT dry form "C"			
Contact Ratings (5 VDC)	PAM-1: 250µA/.35PF	PAM-2: 250µA/.35PF	PAM-4: 250µA	PAM-SD: 250µA/.35PF
Contact Ratings (24 VDC)	PAM-1: 7A/.35PF	PAM-2: 7A/.35PF	PAM-4: 7A	PAM-SD: 7A/.35PF
Contact Ratings (120 VAC)	PAM-1: 10A	PAM-2: 7A/.35PF	PAM-4: 10A	PAM-SD: 7A/.35PF
Wire Leads	PAM-1: 6 FL, 12"/18 AWG	PAM-2: 6 FL, 12"/18 AWG	PAM-4: 5 FL, 12"/18 AWG	PAM-SD: 7 FL, 12"/18 AWG
Ambient Temperature	All PAMs: 32°F to 120°F (0°C to 49°C)			
Construction	All PAMs: 100% potted			
UL Approvals	UL*: U0XX/7.S3403 U0XX/7.S3403 U0XX/7.S3403 U0XX/7.S3403			
MEA Approvals	MEA: 73-92-E Vol. 21 73-92-E Vol. 21 73-92-E Vol. 21 73-92-E Vol. 21			
CSFM Approvals	CSFM: 7300-1004:101 7300-1004:101 7300-1004:101 7300-1004:101			
Product Dimensions (PAM-1)	(H) 1.50" (W) 1.20" (D) 0.90"			
Product Dimensions (PAM-2)	(H) 1.50" (W) 1.20" (D) 0.90"			
Product Dimensions (PAM-4)	(H) 1.50" (W) 1.20" (D) 0.90"			
Product Dimensions (PAM-SD)	(H) 1.50" (W) 1.00" (D) 0.80"			

Ordering

Please select one PAM Series (A).

A PAM Series

- PAM-1 (Provides 10.0A form "C" Contacts)
- PAM-2 (Provides 7.0A form "C" Contacts)
- PAM-4 (Provides 10.0A form "C" Contacts)
- PAM-SD (Provides 7.0A form "C" Contacts)

Build your part number

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: PAM-4

The PAM-1 Relay provides 10.0 A form "C" contacts. The relay may be energized by one of three input voltages: 24 VDC, 24 VAC, or 120 VAC. The input voltages are polarity-sensitive and diode-protected. PAM-1 Relays contain a red LED which indicates when the relay coil is energized.

The PAM-2 Relay provides 7.0 A form "C" contacts. The relay may be energized by one of two input voltages: 12 VDC or 24 VDC. The input voltages are polarity sensitive and diode-protected. PAM-2 Relays contain a red LED which indicates when the relay coil is energized.

The PAM-4 Relay provides 10.0 A form "C" contacts. The relay may be energized across a wide voltage range from 9 VDC to 40 VDC, making it ideal for 12 VDC and 24 VDC EOL circuits. The 15 mA operating current is constant across the operating range. The input voltages are polarity-sensitive and diode-protected.

The PAM-SD Relay provides 7.0 A form "C" contacts. The relay may be energized by an input voltage between 20 VDC to 32 VDC, making it ideal for 24 VDC NAC circuits. The input voltages are polarity-sensitive and diode-protected. The PAM-SD provides an additional set of wires for redundant input voltage (circuit supervision pass through).

