



PAM SERIES

Multi-Voltage Control Relays

The PAM 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 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 fire alarm control or status feedback. They are only suitable for use within UL864 applications and installed in accordance with NFPA 70[®] and NFPA 72[®]. The PAM series of relay including the PAM-1 are marked for DRY INDOOR USE and are not intended or listed for use in any Marine or SIL rated applications which void the parameters of a dry indoor installation.

Applications: Temperature Control, Fire Alarm, Security, Energy Management, Lighting Control Systems and Building Automation Systems

The PAM Relays are covered by ACI’s Two (2) Year Limited Warranty. The warranty can be found in the front of ACI’s Sensors & Transmitters catalog, as well as on ACI’s web site, workaci.com.

PRODUCT SPECIFICATIONS

Relay Type:	Electromechanical Relay
Nominal Relay Coil Voltage (Rated Current):	PAM-1: 24 VDC (20 mA), 24 VAC (50 mA), 120 VAC (50 mA) PAM-2: 12 VDC (20 mA), 24 VDC (20 mA) PAM-4: 12-40 VDC (20 mA) PAM-SD: 20-32 VDC (15 mA – 25 mA)
Contact Form:	Form 1C (SPDT Contact)
Maximum Contact Switching Voltage:	120 VAC / 24 VDC
Maximum Contact Switching Current:	See Ordering Grid on Back of Data Sheet
Relay Pull-In Time:	PAM-1: <1 Second (24 VDC, 24 VAC, 120 VAC) PAM-2: <1 Second (12 / 24 VDC) PAM-4: <1 Second (12 VDC), <3 Second (24 VDC), <1.5 Second (32 VDC) PAM-SD: <1 Second (24-32 VDC)
Status LED Indication:	See Ordering Grid on Back of Data Sheet Red LED “On”: (Relay Energized “COM to N/O”) Red LED “Off”: (Relay De-Energized “Com to N/C”)
Electrical Life (Relay):	> 100,000 Cycles, typical
Mechanical Life (Relay):	> 10,000,000 Cycles, typical
Wire Lead Length Size:	12" 18AWG
Operating Temperature Range:	32 to 120°F (0 to 49°C)
Operating Humidity Range:	0 to 100%, condensing
Construction:	100% potted (sealed) with flying leads
Mounting:	Pre-drilled mounting screw hole and self tapping screw provided Double sided tape provided
Agency Approvals:	UL: U0XX/7.S3403* UL: UUKL** MEA: 73-92-E Vol. 21 CSFM: 7300-1004:101
Product Weight:	0.16 lbs (0.073 kg)
Product Dimensions:	(L) 1.50" (38 mm) x (W) 1.20" (31 mm) x (H) 0.77" (20 mm)

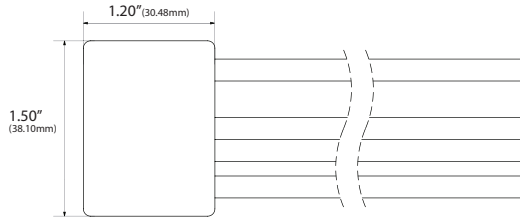
Note*: U0XX = Control Unit Accessories, System | 7 = Certified for Canada | Note**: UUKL (UL864) = Smoke Control System Equipment System



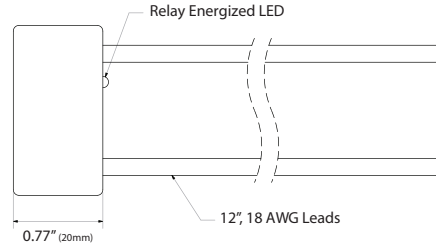


DIMENSIONAL DRAWING

**PAM-1, PAM-2
PAM-4, PAM-SD**



FRONT VIEW



SIDE VIEW

STANDARD ORDERING

Model # Example: **PAM-SD** -OR- **106643**

Model #	Item #	Nom. Coil Voltage	Contact Form	Max. Contact Rating	LED Indicator	Wire Leads
PAM-1	106640	24 VDC 24VAC 120VAC	Form 1C (SPDT Contact)	250 μ @ 5 VDC (PF* = 0.35) 7A @ 24 VDC (PF* = 0.35) 10A @ 120 VAC	Yes	6 "flying" leads 12" / 18 AWG Wire-nuts provided
PAM-2	106642	12-24 VDC	Form 1C (SPDT Contact)	250 μ @ 5 VDC (PF* = 0.35) 7A @ 24 VDC (PF* = 0.35) 7A @ 120 VAC (PF* = 0.35)	Yes	6 "flying" leads 12" / 18 AWG Wire-nuts provided
PAM-4	106641	12-40 VDC	Form 1C (SPDT Contact)	250 μ @ 5 VDC 7A @ 24 VDC 7A @ 120 VAC	No	5 "flying" leads 12" / 18 AWG Wire-nuts provided
PAM-SD	106643	20-32 VDC	Form 1C (SPDT Contact)	250 μ @ 5 VDC (PF* = 0.35) 7A @ 24 VDC (PF* = 0.35) 7A @ 120 VAC (PF* = 0.35)	No	7 "flying" leads 12" / 18 AWG Wire-nuts provided

PF = Power Factor | **Note***: PAM Relays are not intended to be used in either Life / Safety Applications or Hazardous / Classified Locations