

HARRINGTON FIRE ALARM

Harrington Signal Inc.
2519 4th Avenue, Moline, Illinois 61265
P.O. Box 590, Moline, Illinois 61266-0590
Phone: (800) 577-5758 Local: (309) 762-0731 Fax: (309) 762-8215
Internet: www.harringtonfire.com

PAM-1

Multi-Voltage Relay Module



Description

The PAM Series Relays are encapsulated multi-voltage devices with "flying" leads that offer versatile, reliable performance in a convenient package. Several of the versions contain 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.

PAM-1

The PAM-1 Relay provides 10.0 A form "C" contacts. The relay may be energized by one of

polarity-sensitive and diode-protected. PAM-1 Relays contain a red LED which indicates when the relay coil is energized.

PAM-2

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

PAM-4

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

PAM-SD

The PAM-SD Relay provides 7.0



making it ideal for 24VDC NAC circuits. The input voltages are polarity-sensitive and diode protected. The PAM-SD provides an additional set of wires for re-dundant input voltage (circuit supervision pass through).

Ordering Information

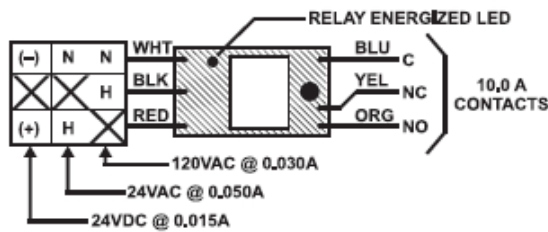
Model Number	Part Number	Description
PAM-1	PAM-1	(1) SPDT (1 form C) relay, potted, w/LED 24VDC / AC or 115VAC
PAM-2	PAM-2	EOL Relay 12/24 VDC



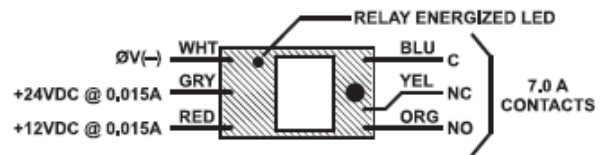
Product Specifications

MODEL NUMBER:	PAM-1	PAM-2	PAM-4	PAM-SD
COIL VOLTAGE:	24VAC/24VDC/120VAC	12VDC/24VDC	9 to 40VDC	20 to 32VDC
POLARIZED:	Yes	Yes	Yes	Yes
ENERGIZED LED INDICATOR:	Yes	Yes	No	No
CURRENT REQUIREMENT:				
	@12VDC -	15mA	15mA	-
	@24VDC 15mA	15mA	15mA	15mA
	@24VAC 50mA	-	-	-
	@120VAC 30mA	-	-	-
CONTACT CONFIGURATION:	(1) SPDT dry form "C"	(1) SPDT dry form "C"	(1) SPDT dry form "C"	(1) SPDT dry form "C"
CONTACT RATINGS: (contact rating / power factor)				
	@5VDC 250µA / .35PF	250µA / .35 PF	250µA	250µA / .35 PF
	@24VDC 7A / .35PF	7A / .35PF	7A	7A / .35PF
	@120VAC 10A	7A / .35PF	10A	7A / .35PF
WIRE LEADS:	6 "flying" leads 12" / 18 AWG Wire-nuts provided	6 "flying" leads 12" / 18 AWG Wire-nuts provided	5 "flying" leads 12" / 18 AWG Wire-nuts provided	7 "flying" leads 12" / 18 AWG Wire-nuts provided
AMBIENT TEMPERATURE: (@ 100% RH, condensing)	32°F to 120°F (0°C to 49°C)	32°F to 120°F (0°C to 49°C)	32°F to 120°F (0°C to 49°C)	32°F to 120°F (0°C to 49°C)
CONSTRUCTION:	100% potted (sealed) with "flying" leads			
MOUNTING:	Pre-drilled mounting screw hole and self tapping screw provided. Double sided tape provided.			
DIMENSIONS:				
H	1.50" (38mm)	1.50" (38mm)	1.50" (38mm)	1.50" (38mm)
W	1.20" (25mm)	1.00" (25mm)	1.00" (25mm)	1.00" (25mm)
D	0.90" (20mm)	0.90" (20mm)	0.90" (20mm)	0.80" (20mm)

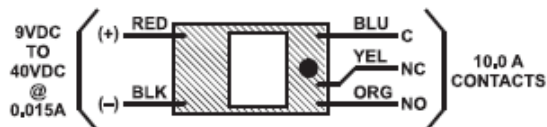
WIRING



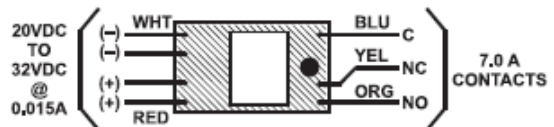
PAM-1



PAM-2



PAM-4



PAM-SD

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured for Harrington Signal Inc. by Air Products & Controls, Ld. Call for availability on items not listed in the ordering information