

AC OVERCURRENT COKP SERIES

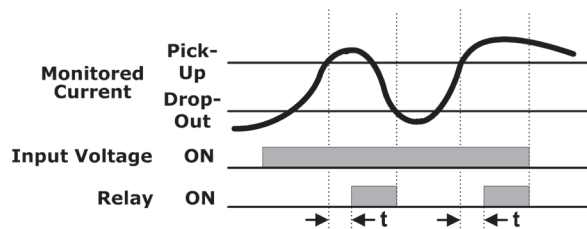


- ◆ Monitors AC currents for overcurrent conditions
- ◆ Three separate current monitoring ranges covering 0.1 - 10 amperes
- ◆ External CT can be used to extend ranges
- ◆ Adjustable Pick-up and Drop-out Settings
- ◆ Adjustable time delay of 0.1-10 seconds on pick-up
- ◆ LED indicates output relay status
- ◆ Uses industry-standard 8 pin octal socket
- ◆ 10A SPDT output contacts

UL LISTED
with appropriate socket

Current sensing relays can be used in several applications where protection of sensitive or expensive equipment against over or under current conditions is required, such as detecting (sensing) conveyor jam-up conditions, machine tool wear, no load conditions or monitoring status of heater or lamp loads.

The COKP Series is used to detect an overcurrent condition. The pick-up current setting is user-adjustable within one of three ranges as shown in the Product Selection Table below. An external current transformer can be used to extend the range of these products. The drop-out setting is adjustable from 50-95% of the selected pick-up setting. The relay will energize when the monitored AC current is above the pick-up setting for a period longer than the adjustable time delay (t) of 0.1-10 seconds. This delay prevents nuisance tripping caused by inrush currents. It will de-energize when the monitored AC current is below the drop-out setting.



PICK-UP SETTING	DROP-OUT SETTING	INPUT VOLTAGE	CURRENT RANGE MONITORED	CATALOG NUMBER	WIRING/SOCKET
Adjustable (Across Monitored Range)	Adjustable (From 50-95% of Pick-Up)	24V AC	0.1 - 1A 0.5 - 5A 1 - 10A	COKP01A68 COKP05A68 COKP10A68	<p>DIAGRAM 21</p>
		120V AC	0.1 - 1A 0.5 - 5A 1 - 10A	COKP01A62 COKP05A62 COKP10A62	



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Sockets & Accessories available

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APPLICATION DATA

Input Voltage Tolerance:

AC Operation: +10/-15% of nominal at 50/60 Hz.

Load (Burden):

Less than 5VA

Current Settings:

Pick-up: Adjustable throughout current range monitored

Drop-out: Adjustable from 50-95% of pick-up setting

Response Times:

Pick-up: Adjustable 0.1-10 seconds

Drop-out: Fixed 100ms

Output Contacts:

10A @ 240V AC / 7A @ 28V DC SPDT, 1/4 HP @ 120V AC (N.O.)

Life:

Mechanical: 10,000,000 operations

Full Load: 100,000 operations

Temperature: Operating: -28° to 65°C (-18° to 149° F)

Storage: -40° to 85°C (-40° to 185°F)

Indicator LED: Green when Input Voltage is applied; Red when Relay is energized

Reset: Automatic

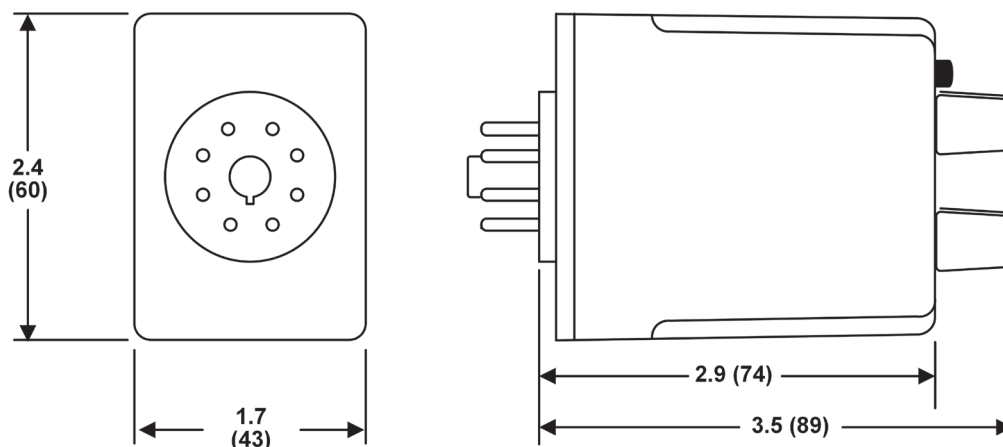
Mounting:

Requires 8 pin octal socket (Macromatic 70169-D or equivalent)

Approvals:



DIMENSIONS



All Dimensions in
Inches (Millimeters)