

# OSI CURRENT PRESENT DETECTOR

MODEL CPD-4715

## DESCRIPTION

The model CPD-4715 is a current present detector (current switch) with a solid-state relay output that indicates a measured current level of 0.5Aac or greater.

To operate, simply pass the current conductor through the window of the unit and activate the monitored circuit - no instrument power or additional setup is required.



Declaration of Conformity available upon request.



## SPECIFICATIONS

### INPUT

Current .....	Trip Point (non-adjustable) .....	≤0.5Aac
Over-range .....	Continuous .....	100Aac
Frequency .....	Calibrated .....	60Hz
	Range .....	50-400Hz

### OUTPUT

Solid State Relay		
Relay Rating .....	Form A, Normally Open, 30Vac/40Vdc, 0.5Aac/dc	
Contact Resistance .....	at contact current = 0.075A ..... Contact voltage drop = typical 1.5V, maximum 3.0V	
Trip Point .....	(non-adjustable) ..... ≤0.5Aac	
Relay Action .....	Current under trip point = Open, Current above trip point = Closed	
Turn-On Time .....	at 100% of trip point ..... approx. 100ms	
Turn-Off Time .....	..... approx. 300ms	

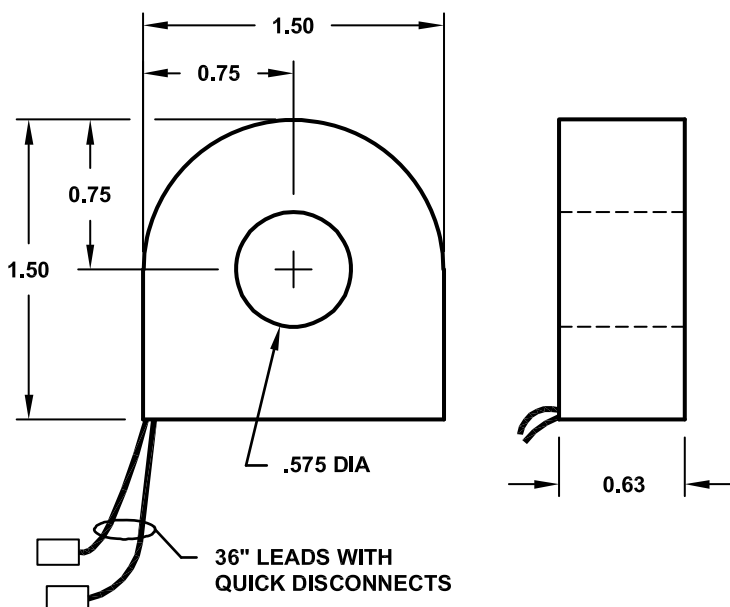
DIELECTRIC TEST ..... 2250Vac

TEMPERATURE ..... Operating Range ..... -25°C to +60°C

### PHYSICAL

Enclosure Material .....	LCP, UL94V-0, Black
Weight .....	0.15lb.
Leads .....	36in., 18AWG
Termination .....	0.25in. male and female quick-disconnects, Molex 19001-0002 and 19002-0002 or equivalent.

## CASE DIMENSIONS (inches)



For installation on up to 600Vac lines.

Dwg# 0902-00613-B Rev A

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### INSTALLATION INSTRUCTIONS

1. Installation should be performed by qualified electricians only!
2. Make sure electrical service is disconnected before making any electrical connections.
3. Branch circuit protection is required to be provided in accordance with the National and Local codes of the inspection authority.
4. Route wires as required and secure to terminals per connection diagram on this sheet and on the unit.
5. Transducers are suitable for installation on up to 600Vac lines.
6. To prevent contact with live circuits, when installed on a bare bus bar, the transducer is required to be mounted in an enclosure that requires the use of a tool for access. When installed on an insulated cable this second enclosure is not required.

### OPERATING INSTRUCTIONS

1. This unit is intended for indoor use at altitudes up to 2000 meters.
2. Transient over-voltages according to Installation Category (overvoltage category) II, pollution Degree 2.
3. If cleaning of the exterior surface is necessary, de-energize all services of supply and brush with a soft brush or blow off with low pressure air. Use appropriate eye protection. Not suitable for hose-down cleaning.
4. Maximum relative humidity 80 percent for temperatures up to 31°C decreasing linearly to 50 percent relative humidity at 65°C.
5. Maximum operating temperature range is -25°C to 60°C.



UL approved for USA and Canada



Equipment approved as Double Insulated

### WARRANTY STATEMENT

Ohio Semitronics Inc., warrants this unit to be free of defects in material and workmanship for a period of five years from date of shipment. This unit must not be used in any manner other than as specified in this document.