

CURRENT PRESENT DETECTOR
FOR 120V LIGHTING ON TRAFFIC / LIGHT COMBINATION POLES

I. Quantity

The base bid shall include the indicated number of current sensors to be furnished and installed as herin after specified.

II. Material

The current present detector (current switch) is a solid state relay output that indicates a measured current level of 0.5a ac or greater.

III Specifications

IN PUT

Current....TripPoint....(non-adjustable).. 0.5Aac

Ovrrange...,(continuous) 100Aac

Frequency..... Calibrated 60Hz Range 50 - 400Hz

TEMPERATURE -25°Cto+60°C

DIELECTRIC TEST 2250Vac

ENCLOSURE LcP, UL94V-0, Black

WEIGHT 0.15lb.

For installation on up to 600vac lines

OUTPUT

Solid State Relay

Relay Rating Form A, Normally Open

40Vac/dc, 0.5Aac/dc

Trip Point (non-adjustable) \leq 0.5Aac

Relay Action.. Current under trip point = Open

Current above trip point = Closed

Turn On Time (at 100% of trip point)

Approximately 100mS

Turn Off Time Approximately 300mS

Leads...Type 36in., 18AWG

Terminations are 0.25in. male and female quick disconnects.

IV. Installation

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

The current detector shall be installed inside the nearest 480v street lighting pull box and connected to combination traffic / light pole 120v light circuit through 2" pvc conduit.

Current present detector shall be Model CPD-4715 of Ohio Semitronics, INC, Electronics HE100T02 or approved equal.

V. Quotation

The current present detector shall be quoted on as a unit price each in the appropriate place of document.

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)... $\leq 0.5A_{ac}$
 Overrange... (continuous)... $100A_{ac}$
 Frequency... Calibrated... 60Hz
 Range... 50 - 400Hz

TEMPERATURE... $-25^{\circ}C$ to $+60^{\circ}C$

DIELECTRIC TEST... 2250Vac

ENCLOSURE... LCP, UL94V-0, Black

WEIGHT... 0.15lb.

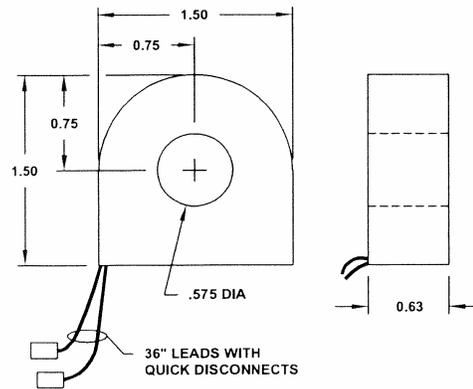
For installation on up to 600Vac lines.

OUTPUT

Solid State Relay
 Relay Rating... Form A, Normally Open
 40Vac/dc, 0.5Aac/dc
 Trip Point... (non-adjustable)... $\leq 0.5A_{ac}$
 Relay Action... Current under trip point = Open
 Current above trip point = Closed
 Turn On Time (at 100% of trip point)
 Approximately 100mS
 Turn Off Time... Approximately 300mS

Leads... Type... 36in., 18AWG
 Terminations are 0.25in. male and female
 quick disconnects. Molex 19001-0002
 and 19002-0002 or equivalent.

CASE DIMENSIONS



DIMENSIONS IN INCHES

B902-613

OHIO SEMITRONICS, INC.

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