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 herein 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  
Overrange , (continuous) l00Aac  
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  
4OVac/dc, 0.5Aac/dc  
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)  
Approximately l00mS  
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.
**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.

**SPECIFICATIONS**

**INPUT**
- Current... Trip Point... (non-adjustable): ≤0.5Aac
- Overrange... (continuous): 100Aac
- Frequency... Calibrated: 60Hz
- Range: 50 - 400Hz

**TEMPERATURE**
- -25°C to +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
- Relay Rating: 40Vac/dc, 0.5Aac/dc
- Trip Point... (non-adjustable): ≤10Aac
- 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: 0.25in., male and female quick disconnects.
- Molex 19001-0002 and 19002-0002 or equivalent

**CASE DIMENSIONS**

![Diagram of Case Dimensions]

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