

Timing Mode: **DELAY AFTER SENSE**

Category: **CURRENT SENSOR**

Series: **CS**



## CURRENT SENSOR, RELAY OUTPUT, 10-20 AMPS PELCO COMPONENT TECHNOLOGIES • 855 227 3526



### CS Current Sensor

The CS is an over or under current sensing control. Toroidal sensing means no break in the power wiring.

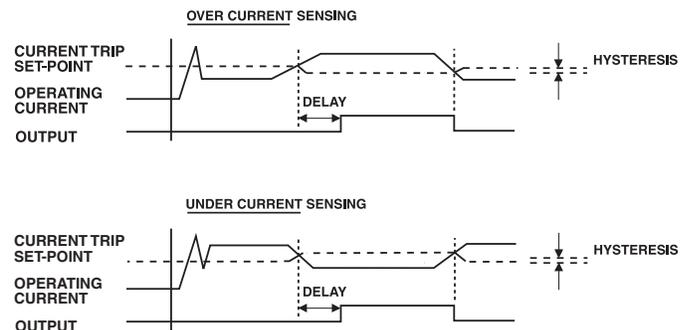
The combination of the over current LED, current adjustment, and percentage trip adjustment provides easy and accurate setting.

CS can handle loads up to 20 amps with time delays up to 100 secs.

### Sense Mode

When the sensed current increases above or falls below the setpoint, the time delay will start.

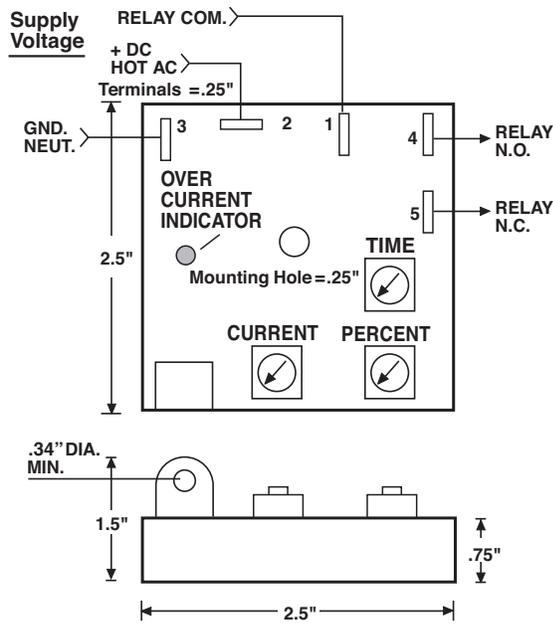
At the end of the delay, the output will be energized.



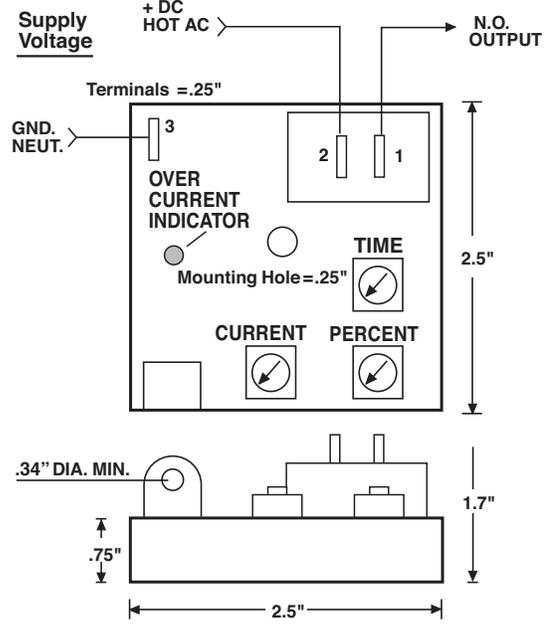
## FEATURES

- Over current and under current sensing
- Toroidal sensing provides complete isolation between sensed current and control circuit
- Easy setting of trip point with unique combination of LED indicator, current adjustment and percentage potentiometers.
- Can switch up to 20 amps (1.5HP)
- Totally encapsulated for protection from harsh environments
- Single screw mounting
- Transient and polarity protected
- No heat sinking required
- CMOS time delay
- 100% Operational testing before shipping
-  RoHS compliant

## BASIC WIRING AND DIMENSIONS



**10 Amps**



**15 & 20 Amps**

## SPECIFICATIONS

**Input Voltage:** +20%/-10%

VDC: 12 or 24

VAC: 24, 120, 230, 50/60Hz

**Time Delay:**

*Timing Mode:* Delay After Sense

*Type:* Digital CMOS

*Time Range:* 0.1 second to 10 seconds (adjustable)  
1 to 100 seconds (fixed)

**Repeatability:** ±0.5%

**Setting Accuracy:** ±5% or 50 ms., whichever is greater

**Reset Time:** 100 milliseconds

**Relay Life Expectancy:**

*Mechanical:* Up to 10 million operations

*Electrical:* 100,000 operations at max. load

**Protection:** *Polarity Protection:* All DC units have reverse polarity protection

*Transient Protection:* 18 joules

*Dielectric Strength:* 1800V RMS 60Hz

**Temperature Ranges:** *Storage:* -40°C to +85°C

*Operating:* -25°C to +65°C

**Sensor:** Toroid-Through hole wiring

*Current Range:* 0.5 to 20 amps

*Frequency:* 50/60Hz

*Trip Point Hysteresis:* 5% typical

*Trip Point Drift vs Temperature:* ±2% typical, ±5% max

*Fixed Setting Accuracy:* ±5%

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## OPTIONS SELECTION

Mode of Operation	Series	Relay Common	Input Voltage	Current Sensing	Fault Indic.	Hyster-esis	Time Delay	Time Adj. Method	Current Set Point	Current Adj. Method	Percent Adj.	Outputs
Current Sensor	CS	B = Hot * = Isolated	1 120 VAC 2 230 VAC 3 24 VAC 4 24 VDC 7 12 VDC	O = Over U = Under	F = Yes * = No	* = 0 H = 5%	VARIABLE TIME PERIOD	C = Fixed A = Integral knob	VARIABLE SET POINT	C = Fixed A = Integral knob	* = 0 P = 20%	H 10 Amps JN 15 Amps (1.0 HP) J 20 Amps (1.5 HP)
							010 .1 to 10 secs		020 0.5 to 20 secs			
							FIXED TIME PERIOD		FIXED SET POINT			
							Specify time in full seconds from 1 to 100		Specify amps from 1 to 20 amps			

*Specifications subject to change without notice.*