Timing Mode: **DELAY AFTER SENSE**
Category: **CURRENT SENSOR**
Series: **HCS**

L *AIROTRONICS*
Timers & Controls

CURRENT SENSOR, SOLID STATE OUTPUT, 1 AMP PELCO COMPONENT TECHNOLOGIES • 855 227 3526
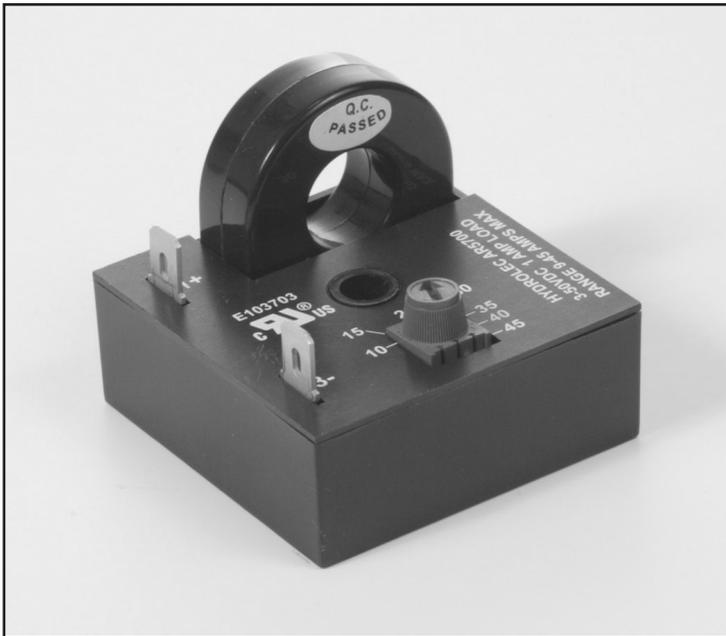
HCS Current Sensor

The HCS is a high-range current sensor with sense capabilities from 8 to 60 amps AC. The set point is either factory fixed or adjustable.

HCS is completely self-powered with solid state DC switching to interface with a Programmable Logic Control (PLC) or control relays.

Sense Mode

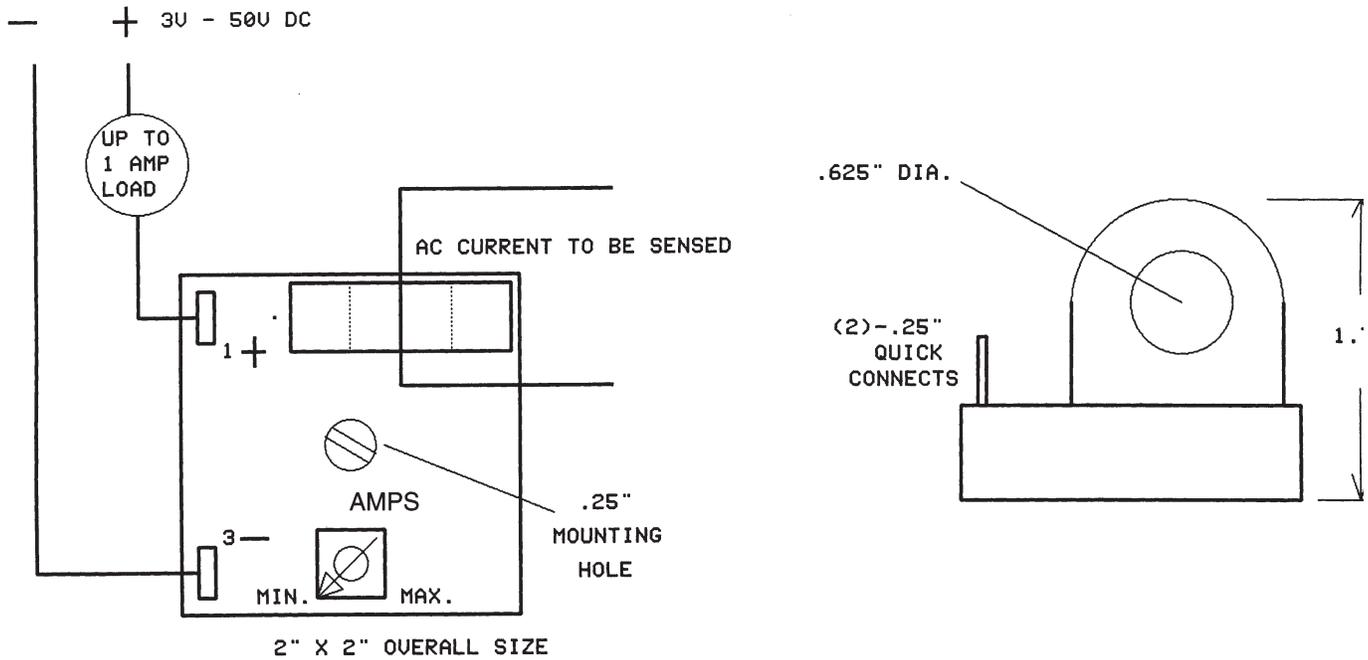When the sensed current reaches the setpoint the output turns on.

When the current goes below setpoint the output turns off.

OVER CURRENT SENSING

CURRENT TRIP SET-POINT
OPERATING CURRENT
OUTPUT
DELAY
HYSTERESIS
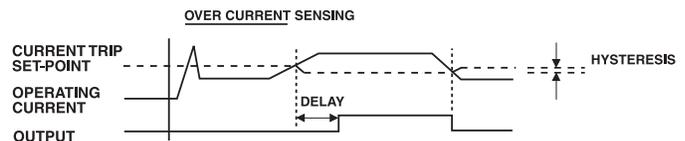
FEATURES

- **Toroidal sensing provides total isolation between sensed current and output circuit**

- **Setpoint adjusted by on board potentiometer or factory-fixed, up to 60 amps**

- **Self powered, no external supply voltage needed**

- **Compact 2" x 2" package with single screw mounting**

- **Totally encapsulated for protection from harsh environments**

- **Direct connection to PLC input**

- **100% Operational testing before shipping**

- **Designed and manufactured in the U.S.A.**

- ℞Ⓤ ℞Ⓤ

- **RoHS compliant**

— + 3V - 50V DC

UP TO 1 AMP LOAD

AC CURRENT TO BE SENSED

AMPS

.25" MOUNTING HOLE

MIN. MAX.

2" X 2" OVERALL SIZE

.625" DIA.

(2)-.25" QUICK CONNECTS

072816

SPECIFICATIONS

Input Voltage: 3–50VDC

Load: Up to 1 Amp–solid state switching

Sensor: Toroid–Through hole wiring

Current Range: 8 Amps minimum to 60 Amps maximum

Hysteresis: ±5% of set point typical

Adjustability: Linear min to max with trimpot option

Stability: ±2% over temperature

Temperature Ranges: *Storage:* -40°C to +85°C
Operating: -25°C to +65°C

OPTIONS SELECTION

Mode of Operation	Series	Input Voltage	Sensing Range		Adjustment
Current Sensor	HCS	3-50 VDC	**VARIABLE RANGES**		**C** = Factory fixed
			030 8A to 30A **045** 9A to 45A **060** 10A to 60A (others by request)		**A** = Variable, integral, potentiometer
			FIXED RANGES		
			Specify Actuate setting (example: **010** = 10amps)		

Specifications subject to change without notice.