

## Low Current Sensing and Fast Switching

### DESCRIPTION

Model 10618 is a current switch that is designed to fit in a “Decora” electrical enclosure. This device requires a deep electrical box. The trip point is adjustable with a single turn potentiometer. Different models allow different sensing ranges from 0.5A to 20A. The “on to off” and “off to on” times are less than 100ms. The trip point of the switch is continuously adjustable.



SPECIFICATIONS	
Sensing Range	0.5A to 5A, 1A to 10A, 2A to 20A
Max. Current through Sensor	>300A
Sensor Frequency Range	50-60 Hz
Trip Point	Adjustable (single turn pot)
Operating Temperatures	-20°C to 85°C
Operating Voltage	120VAC
Dimensions ( L x W x H )	4.2 x 1.31 x 1.45

### FEATURES

- Sensor is encapsulated to prevent environmental and physical damage
- Adjustment range .5 - 20 A
- Easy to install and use.
- Rugged Industrial Design

### APPLICATIONS

- Industrial Process Control
- Motor Control
- Protects motors
- Increases Motor Life
- Pumping
- Irrigation
- Conveyors
- Loaders
- Fans and Blowers
- Ovens and Heaters
- Waste Management
- Material Handling
- Heating, AC Control
- Environmental Control
- TV and audio equipment controls

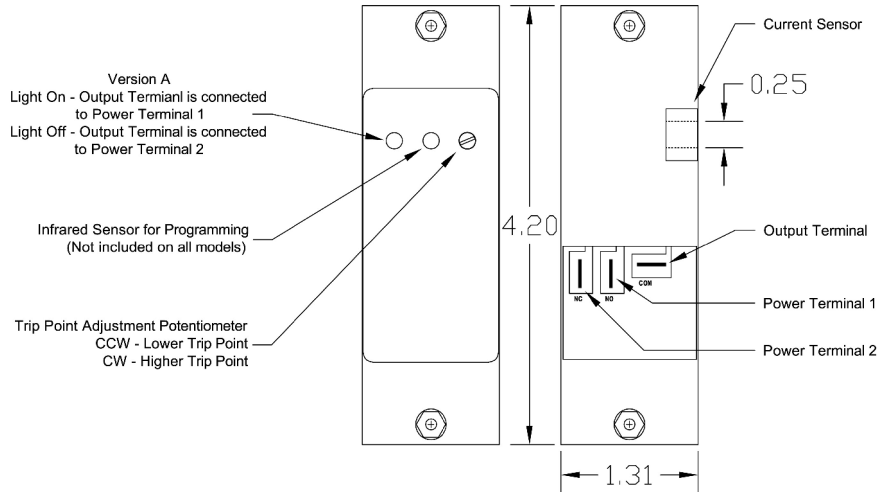
ORDERING		
Series	Sensing Ranges	
10618A	1 → 0.5-5A	
	2 → 1-10A	
	3 → 2-20A	

10618A 1 → 0.5-5A  
 2 → 1-10A  
 3 → 2-20A

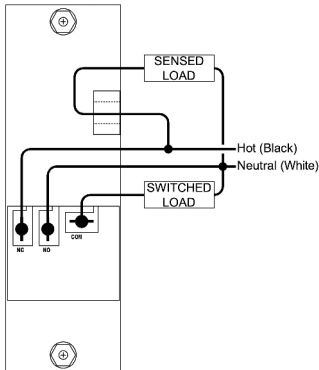
Call for custom units with fixed trip points, on and off delays, or switching logic



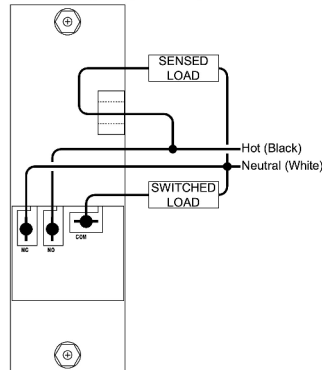
# AC Current Switch Box Model 10618



Normally Closed Operation



Normally Open Operation



## Operation

For Normally Open Operation the “Switched Load” will be on when the current is above the trip point. When the current is below the tip point the “Switched Load” will turn off.

For Normally Closed Operation the “Switched Load” will be off when the current is above the trip point. When the current is below the tip point the “Switched Load” will turn on.

## Setup

Turn the adjustment fully CW. Put the “Sensed Load” into the off or standby mode. Slowly turn the adjustment CCW until the light turns on. Next, turn the adjustment CW a small amount until the light turns off. The current sensor is now setup. Turn the device on and off to verify that the current sensor is operating correctly. See Operation section.

If the current sensor light does not turn off when the device is off, then turn the adjustment CW a small amount.

If the current sensor light does not turn on when the device is on, then turn the adjustment CCW a small amount.