

Hawkeye Current Sensor Model H548 Engineering Specifications

1. The current sensor shall be induce powered from the monitored load
2. The current sensor shall combine a status sensor for monitoring positive status, and a command relay for starting or stopping motors in a single package
3. The current sensor shall have an integral N.O. command relay capable of switching 1HP @ 120VAC & 1.5HP @277VAC
4. The current sensor shall have an auto adjusting operating range from .5-20 A
5. The current sensor shall provide visual indication (LED's) for output status, sensor power, and relay status
6. The current sensor shall have an adjustable trip set-point to +/- 1 % of the range from -15 to 60 ° C
7. The current sensor shall be isolated to 600 VAC rms
8. The current sensor shall have an adjustable mounting bracket for installation flexibility
9. The package shall have a three position override switch – Hand, Off, Auto which actually breaks the power circuit to the motor
10. The Current Sensor/ Command Relay shall be a single circuit which resides in a remotely mounted enclosure.
11. The current sensor with integral command relay shall be a Hawkeye model H548

SAMPLE SPECIFICATIONS

1. Current Sensing Switches/Command Relay (CS): CS shall be utilized for monitoring motor operation and motor control. Switch shall be adjustable so that a contact closure is made any time the motor is operating within a "normal" range (.5-20 amps). Low motor amps resulting from low loading or belt failure shall indicate "OFF". Switch shall be equipped with an on board command relay and H.O.A. switch for motor starter start stop control. **Induced current from the motor power feed shall power CS. The CS shall provide visual indication (LED's) for output status and sensor power; shall have an adjustable trip set-point to $\pm 1\%$ of its range from -15 to 60°C; shall be isolated to 600 VAC rms; shall have an adjustable mounting bracket for installation flexibility. Output shall be N.O., Solid State, 1 A @ 30 VAC/DC;** CS shall be a **Hawkeye** model **#H548** as supplied by Veris Industries, Inc., or Engineer approved equal.
2. Motor Status: The contractor shall provide and install a Current Sensing switch on any motor required to have motor status. One hot wire of the motor power feed and the neutral shall be routed to the H548 terminal block. The contractor shall adjust the switch per the manufactures recommendations to prove status only when the motor driven device (fan, pump, etc.) is operating normally.