

Hawkeye Current Sensor Model H540 Engineering Specifications

1. The current sensor shall be induced 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 SPST (Field selectable N.O. or N.C.) command relay capable of switching 1 HP @ 120VAC and 1.5 HP @ 277VAC loads
4. The current sensor shall have fixed switch point and operating range from .25-20 A
5. The current sensor shall be isolated to 600 VAC rms
6. The current sensor shall have an adjustable mounting bracket for installation flexibility
7. The current sensor output shall be N.O., Solid State, 1 A @ 30 VAC/DC
8. The relay, current sensor, override switch, and load terminals shall be part of a series circuit
9. The motor controller/ status sensor shall have a Hand Off Auto switch for manual override
10. The current sensor/Command Relay dimensions shall be (LxWxH)... 4.25" X 4.25" X 1.53"
11. The current sensor with integral command relay shall be a Hawkeye model H540

SAMPLE SPECIFICATIONS

1. Current Sensing Switches/Command Relay (CS): CS shall be utilized for monitoring motor operation and motor control. Switch shall be fixed so that a contact closure is made any time the motor is operating within above .25A (.25 - 20 amps). Switch shall be equipped with an on board command relay for motor starter start stop control and HOA switch for local 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 be isolated to 600 VAC rms; Output shall be N.O., Solid State, .1 A @ 30 VAC/DC; CS shall be a Hawkeye model #H-540 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 phase of the motor power feed shall be routed through the aperture of the current sensing switch. 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.