

## Engineering Specifications

### Hawkeye Current Sensor Model H808

1. The current sensor shall be induce powered from the monitored load
2. The current sensor shall have an adjustable operating range from 0.75-50 A
3. The current sensor shall provide visual indication (LED) for output status and sensor power
4. The current sensor shall have an adjustable trip set-point to +/- 1 % of the range from -15 to 60 ° C
5. The current sensor shall be isolated to 600 VAC rms
6. The current sensor shall have a mounting bracket for installation flexibility
7. The current sensor shall be a solid core type with a hole size of .71" in diameter
8. The current sensor output shall be N.O., Solid State, 1.0 A @ 30 VAC/DC
9. The current sensor dimensions shall be (LxWxH)...2.77"X1.80"X1.02"
10. The current sensor shall be a Hawkeye model H808

### SAMPLE SPECIFICATIONS

1. Current Sensing Switches (CS): CS shall be utilized for monitoring motor operation. Switch shall be adjustable so that a contact closure is made any time the motor is operating within a "normal" range (0.75-50 amps). Low motor amps resulting from low loading or belt failure shall indicate "OFF". **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 be a self gripping split-core type with an optional drill mount bracket; Output shall be N.O., Solid State, 1.0 A @ 30 VAC/DC with a minimum aperture of 0.71" for motor power feed. CS shall be a **Hawkeye** model **#H-808** 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. The Split-Core current switch shall be clamped around one of the three phase motor conductors. 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.