

## Engineering Specifications

### Hawkeye Microprocessor Based Current Sensor Model H934

1. 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
2. The current sensor shall have an integral N.O. command relay capable of switching 5A Resistive, 3A Inductive @ 30VDC, 240 VAC
3. The current sensor shall provide visual indication (LED) for sensor, and relay status
4. The current sensor shall be capable of detecting motor belt or coupling loss when mounted on the load side of variable frequency drives
5. The current sensor shall be factory programmed to detect motor undercurrent situations (belt or coupling loss) on variable or constant volume loads...no calibration required.
6. The current sensor shall store the motor current operating parameters in non volatile memory
7. The current sensor shall have a push button reset to clear the memory if the operating parameters change or the sensor is moved to another load
8. The current sensor shall be induce powered from the monitored load
9. The current sensor shall be self-calibrating and provide positive status indication of electrical loads from 5 to 135 A
10. The current sensor shall be capable of operating in frequencies from 5 to 75 Hz.
11. The current sensor shall be capable of providing accurate status at temperatures from -15 to 60 ° C
12. The current sensor shall be isolated to 600 VAC RMS
13. The current sensor output shall be N.O., Solid State, 0.1 A @ 30 VAC/DC
14. The relay output shall be N.O., 5A resistive, 3A inductive @ 30 VDC, 240 VAC

15. The current sensor shall be a self gripping split-core type with a hole size of (LxW) 1.00"x0.75"
16. The current sensor dimensions shall be (LxWxH)...3.00"x2.75"x1.025"
17. The current sensor with integral command relay shall be a Hawkeye model H934