Installation Instructions

H740

Solid-Core Go/No Current Switch w/SPDT Command Relay

H740

VERIS INDUSTRIES

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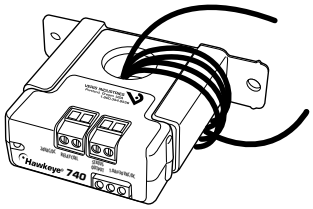
- ***This product is not intended for life or safety applications. This product is not intended for installation in hazardous or classified locations.***
- ***Potential electrocution hazard exists. Installing sensors in an energized motor control center or on any energized conductor can be hazardous.***
- ***Read instructions thoroughly prior to installation***

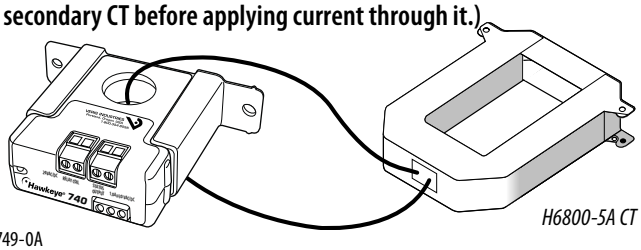
Severe injury or death can result from electrical shock during contact with high voltage conductors or related equipment. Disconnect and lock-out all power sources during installation and service. Applications shown are suggested means of installing sensors, but it is the responsibility of the installer to ensure that the installation is in compliance with all national and local codes. Installation should be attempted only by individuals familiar with codes, standards, and proper safety procedures for high-voltage installations.

INSTALLATION NOTES

1. ***For currents less than 0.5 Amp:***
To provide adequate current, wrap the conductor through the center hole and around the sensor body to produce multiple passes and increase measured current. • ***Measured current = Actual current times the number of passes.***



2. For currents greater than 200 Amps:
In order to monitor currents greater than 200 Amps, a 5 Amp current transformer may be used. Run the CT secondary wire through the current sensor. Terminate the two secondary wires of the 5 Amp CT to each other. Then install the 5 Amp CT (H6800 Series) on the conductor being monitored.
CAUTION: CT's can contain hazardous voltages. Install CT's in accordance to manufacturers specifications and instructions. (Terminate the secondary CT before applying current through it.)



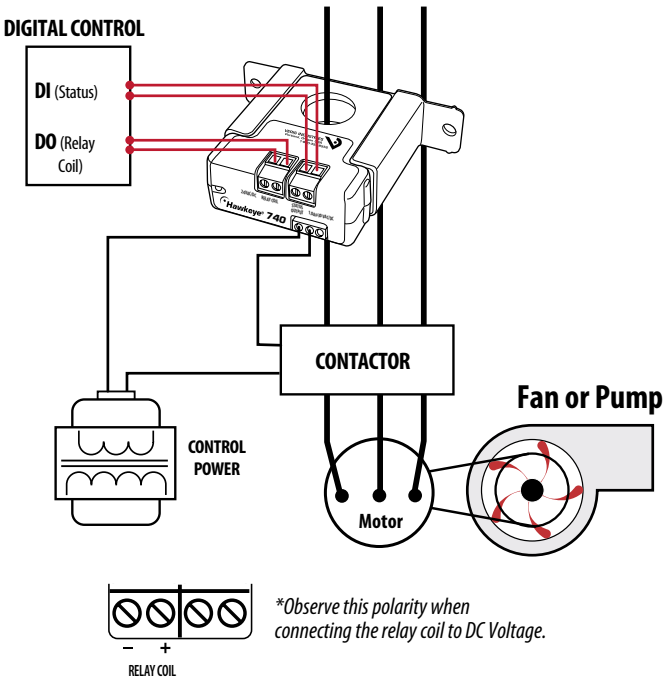
H6800-5A CT

INSTALLATION

1. Ensure power conductor to be monitored is disconnected and locked out
2. Install the adjustable mounting bracket to the back of the electrical enclosure.
3. Slide the conductor to be monitored through the sensing hole of the current switch. Terminate the conductor.

NOTES:
- **To monitor current under 0.5 Amp please see installation note #1.**
- **To monitor current above 200 Amps please see installation note #2.**

4. Wire the Current Switch/Command Relay as shown below.
   Note: Current switch contacts are solid state and work just like dry contacts. When the switch is closed 1 Ohm is present. When the switch is open, more than 1 Meg Ohm is present.
5. Reconnect power.



SPECIFICATIONS

Amperage Range	0.5-200A Continuous
Current Sensor Supply Voltage	Induced from monitored conductor
Relay Coil	24VAC/DC 10mA
Relay Contact	SPDT:8(3.5)A@250VAC, 30VDC, 1/4HP
Isolation	600VAC rms. (max. voltage when monitoring an uninsulated conductor)
Temperature Range	-15º to 60º C
Humidity Range	0-95% non-condensing
Status Output Ratings	N.O. 1.0A@30VAC/DC not polarity sensitive
Off-state Leakage	0 (open switch represents 1+ MEG ohms of resistance)
Listings	UL508 E150462

TROUBLESHOOTING

1. The unit will not come on at all.

A. Check to be sure that no more than 30VAC/DC or 1.0A has passed through the contact. Voltages or currents above these levels will damage the unit.

B. Verify that the conductor you are monitoring is carrying at least 0.5 Amps. If the sensor is monitoring less than 0.5 Amps, employ installation note #1 (pg. 1)

2. Relay chatters or will not change states.

A. Ensure that not more than 24VAC/DC has been applied to the relay coil.

B. Parallel applications with AC transformers can damage the relay. Please use appropriate snubbing device. *(see www.veris.com/info/apps/app01.htm for more information)*