

INSTALLATION

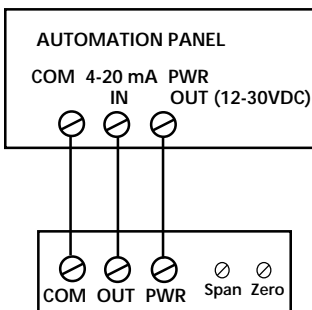
!CAUTION !

- **This product is not intended for life or safety applications**
- **Installing sensors in an energized motor control center or on any energized conductor can be hazardous.**

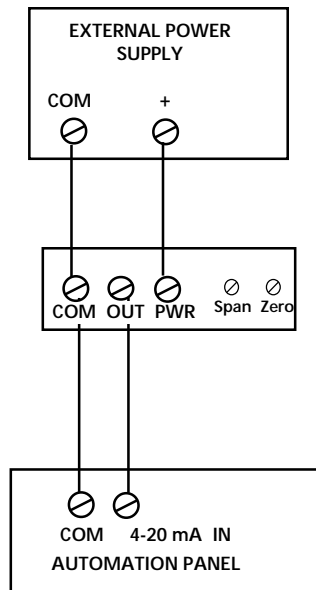
Severe injury or death can result from electrical shock during contact with high voltage conductors or related equipment. Disconnect and lock-out all power sources during installation. Applications shown are suggested means of installing sensors, but it is the responsibility of the installer to ensure 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. Do not rely on status indications of device exclusively to determine if power is present in conductor.

1. Ensure power conductor to be monitored is disconnected and locked out from the power source!
2. Install the adjustable mounting bracket to the back or floor of the motor control center. The sensor may be located at any point on the conductor between the motor and the motor starter.
3. Position the sensor body such that the hole is aligned to permit the conductor to fit through the hole. Slide the conductor through the center hole in the sensor and connect the conductor to the lugs on the motor starter.
4. Wire the sensor as shown below. NOTE: if you desire a 1-5VDC output signal instead of 4-20 mA, wire a 250 Ohm resistor in parallel between the sensor output and ground.

WIRING OPTION 1



WIRING OPTION 2



Installation Instructions

HAWKEYE 720

Industrial Accuracy Analog Current Sensor

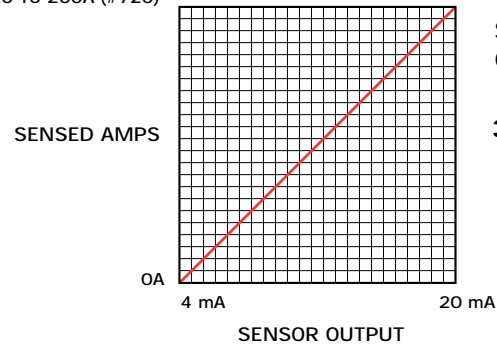
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CALIBRATION

20 TO 200A (#720)*



**SENSOR
OUTPUT**

**3.5 to 4.5 mA
(Zero Adj.)**

*Adjusted with Span Setting

Zero adjustment

The ZERO adjustment is used to set the sensor output current level from 3.5 to 4.5 mA when no current is present on the monitored conductor. Typical setting is for 4 mA.

Span Adjustment

The SPAN adjustment is used to set the full-scale of the sensor to match to load being monitored. It may be set to correlate the maximum 20 mA output to loads from 20 to 200 A. While operating maximum load, measure sensor output current, adjust SPAN, such the the sensor output current correlates to 20 mA (or less, if desired).

SPECIFICATIONS

Monitored Amperage Ratings.....200A continuous
Horsepower (h.p.) Ratings.....0 to 100 h.p.
Sensor Supply Voltage.....12 to 30 VDC
Supply Current.....30 mA max.
Frequency Range.....10 to 80 Hz (+/- 1%)
Zero Adjustment.....3.5 to 4.5 mA
Span Adjustment.....20 to 200A, full scale
Isolation.....600VAC rms
Sealing.....N.E.M.A. 1, 12, 13
Temperature Range.....-15° to 85°C
Humidity Range.....0-95% non-condensing