



DC APPLICATIONS



H970



Hall effect technology

Direct Current Transducer: mA and V Analog Output

The Hawkeye 970 Series provides accurate load level monitoring of DC current loads. By combining a state of the art Hall sensor with proven transducer circuitry, the H970 provides a single product solution. Slide-switch selectable amperage ranges and field selectable mA and VDC outputs maximize flexibility.

Full-featured product maximizes versatility

- Factory calibrated switch-selectable amp ranges (20/40/80, or 50/100/200) for high resolution and installation ease
- Each model provides mA and DC voltage outputs for maximum installation flexibility
- Self-gripping iris for easy installation
- Bracket can be installed in three different configurations...added flexibility
- Status LED ensures proper wiring...easy set up
- 5-year limited warranty

APPLICATIONS

- Battery chargers
- Motor armature current
- Motor field current
- Automotive loads
- Marine equipment



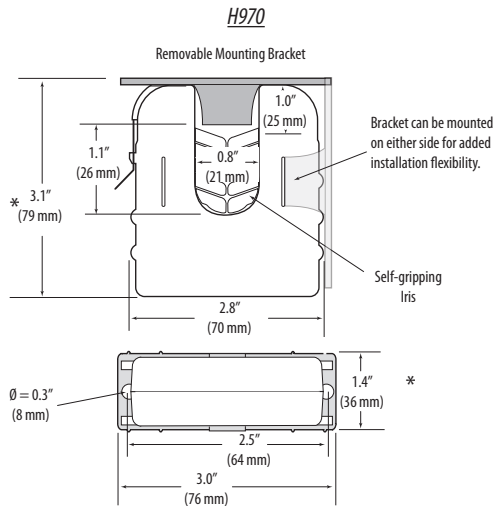
SPECIFICATIONS

System Technology	Open loop Hall effect
Amperage Range	LC: 0-20/40/80; HC: 0-50/100/200 (slide switch selectable)
Sensor Supply Voltage	12-30VAC/DC, except 0-10VDC output signal 15-30VAC/DC
Supply Current	35mA max.
Output	4-20mA, 0-5VDC, 0-10VDC (2 options allowed per sensor)
Insulation Class	600VAC RMS/840VDC
Frequency Range	DC
Temperature Range	-15° to 60°C (5° to 140°F)
Humidity Range	10-90% RH non-condensing
Accuracy	±3% full scale (combined linearity, hysteresis, and repeatability)
Repeatability	±1%
Linearity	±1%
Response Time	2 sec.
LED Output	Blink = normal; Off = no power; Solid on = over range

Do not use the LED status indicators as evidence of applied voltage.
For applications requiring double or reinforced insulation, please contact the factory.

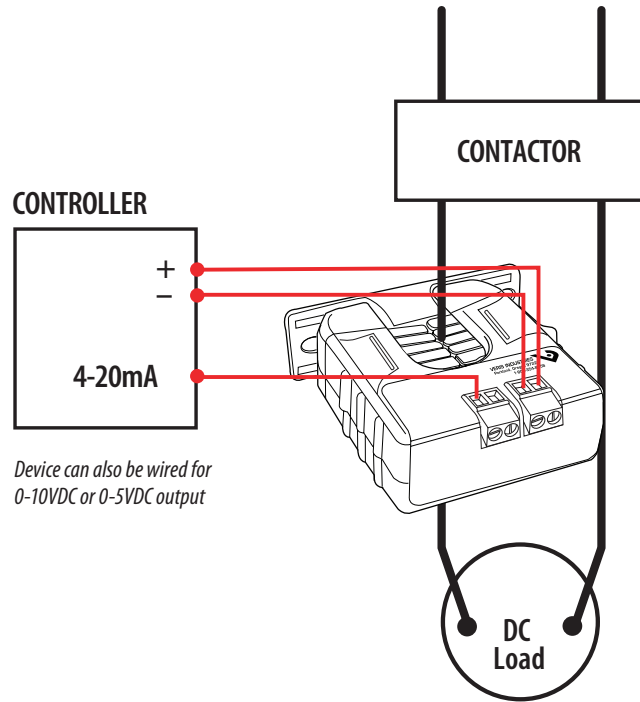


DIMENSIONAL DRAWINGS



* Terminal block may extend up to 1/8" over the height dimensions shown.

APPLICATION/WIRING EXAMPLE

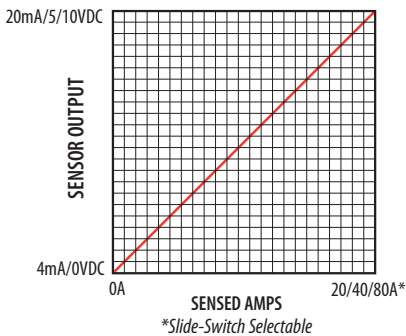


Device can also be wired for 0-10VDC or 0-5VDC output

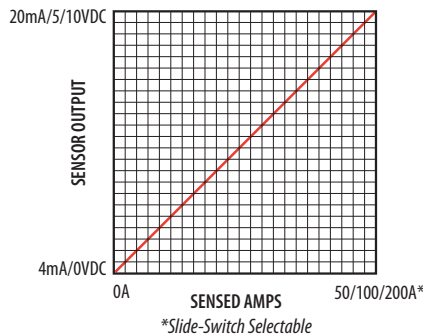
H970 LINEAR OUTPUT

Scale software as shown

H970LC, mA and VDC Output



H970HC, mA and VDC Output



ORDERING INFORMATION

MODEL	AMPERAGE RANGE	SENSOR OUTPUT	HOUSING
H970LCA	0 - 20/40/80	4-20mA and 0-5VDC	Split-core
H970LCB		4-20mA and 0-10VDC	
H970HCA	0 - 50/100/200	4-20mA and 0-5VDC	
H970HCB		4-20mA and 0-10VDC	

ACCESSORIES

DIN Rail Clip Set, DIN Rail, and DIN Stop Clip...see page 219.