

H221/321/421

High Amperage Split-cores



IDEAL FOR INDUSTRIAL SIZE LOADS

Monitor larger motors and other loads from 100A to 2400A

- Split-core design for easy installation
- Eliminates need for external CTs on large conductors
- Large openings for heavy conductors
- Monitor critical motors (compressor, fuel, etc.)

Loop powered 4-20 mA output

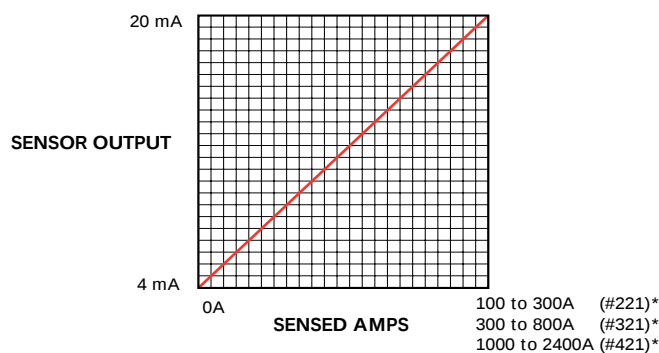
- Two-wire design reduces wiring cost
- Span adjustment for easy set-up
- Span adjustment for high resolution
- Made in USA; 5 year limited warranty

DESCRIPTION

The H221/321/431 analog current sensors provide reliable load trending information for large motor loads (up to 2400A) with a proportional 4–20mA signal. Each sensor can be calibrated for maximum resolution using the span potentiometer.

APPLICATIONS

- Load trending of large motors
- Split-core design is ideal for retrofit load trending



*Adjusted with Span Potentiometer

Ordering INFORMATION

MODEL	AMPERAGE RANGE	OUTPUT TYPE	UL	UL
H221	100 to 300A	4 - 20 mA	●	●
H321	300 to 800A	4 - 20 mA	●	●
H421	1000 to 2400A	4 - 20 mA		

Custom calibration available upon request.

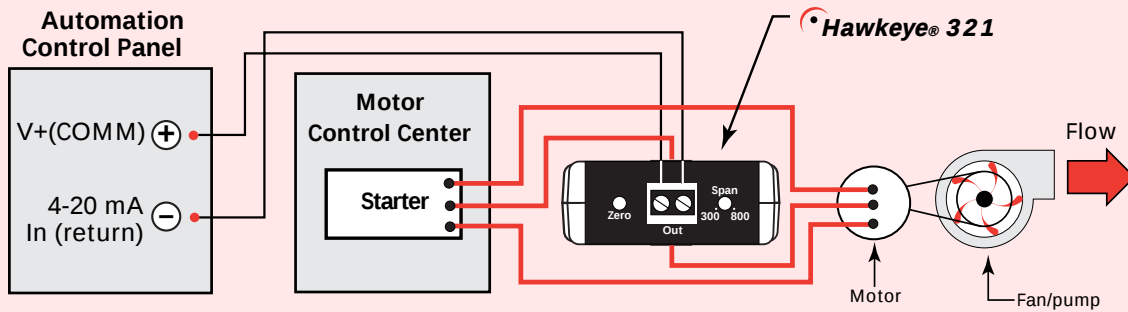
Optional Ordering INFORMATION

MODEL	DESCRIPTION	UL	UL
PS-24	Universal Power Supply	●	●
CT Bracket	Universal Mounting Bracket Kit		

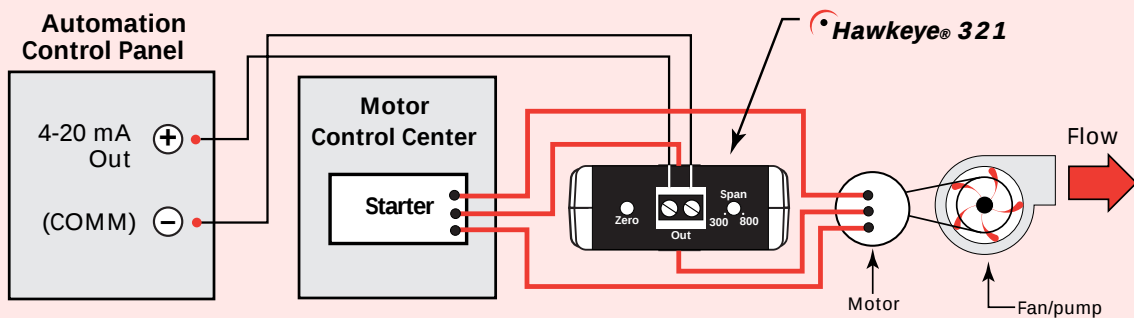
ANALOG CURRENT SENSORS

APPLICATIONS/WIRING DIAGRAM:

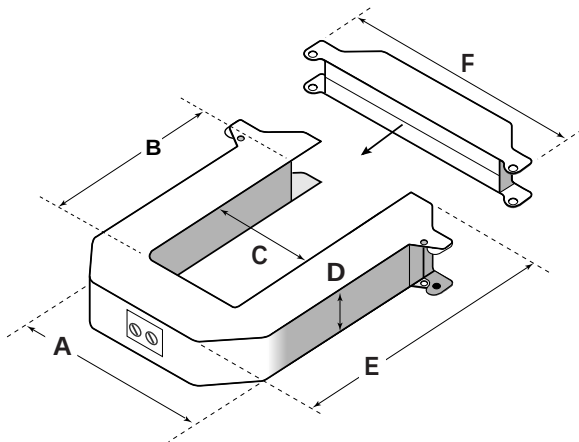
Sinking Panel (+Common)



Sourcing Panel (-Common)



DIMENSIONAL DRAWINGS



SPECIFICATIONS

Amperage Ratings

Model 221	100-300 A
Model 321	300-800 A
Model 421	1000-2400 A

Sensor Supply Voltage 10 to 30 VDC

Sensor Supply Current 30 mA max.

Isolation 600 VAC rms

Frequency Range 60 Hz nominal

Accuracy 2% of all scales

Temperature Range -15° to 60° C

Humidity Range 0 - 95% non-condensing

SMALL 100 Amp 300 Amp

MEDIUM 400 Amp 800 Amp

LARGE 800 Amp 1600 Amp 2400 Amp

A = 3.75" (95 mm)	A = 4.90" (124 mm)	A = 4.90" (124 mm)
B = 1.51" (38 mm)	B = 2.89" (73 mm)	B = 5.50" (140 mm)
C = 1.25" (32 mm)	C = 2.45" (62 mm)	C = 2.45" (62 mm)
D = 1.13" (29 mm)	D = 1.13" (29 mm)	D = 1.13" (29 mm)
E = 3.91" (99 mm)	E = 5.20" (132 mm)	E = 7.88" (200 mm)
F = 4.75" (121 mm)	F = 5.91" (150 mm)	F = 5.92" (150 mm)