

AC Current Transducer: 200 Series



The Sentry 200 series AC current transducers provides a 4...20mA signal proportional to the monitored current up to 200A. The series is available in both split core and solid core configurations and has variable frequency integration for VFDs.

- ◆ Convenient compact size
- ◆ High reliability
- ◆ Easy installation

Technical Data

Input ranges: 0...200A (see ordering data)

Output signal: 4...20mA (see ordering data)

Accuracy: 1.0% FS

Response time (0...90%): 300mS

Frequency range:

- 4...20mA w/o VFI: 20...100Hz
- 4...20mA w/ VFI: 10...400Hz

Power supply: 12...40VDC, loop powered

Output load: 950 ohms max @ 24VDC [$R_{max} = (V_{supply} - 5) / 0.020A$]

Output signal limit: 2x rated output

Isolation voltage: UL listed to 1270VAC, tested to 5kV

Sensing aperture:

- Solid core: 0.75" dia.
- Split core: 0.85" x 0.85"

Case: UL 94V-0 flammability rated thermoplastic

Environmental: -20...50°C, 0...95% RH, non-condensing

Approvals: UL, ULC, CE

ENERCORP instruments ltd

170 Wilkinson Road, Unit 13, Brampton, ON, L6T 4Z5 Canada

Tel: 416-231-5335, Toll free: 1-800-363-7267

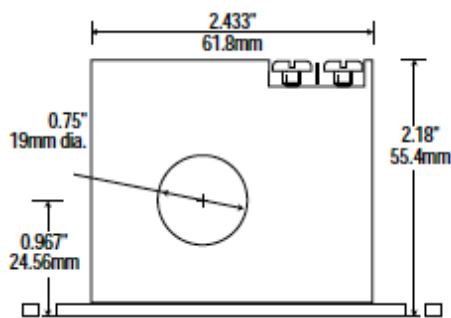
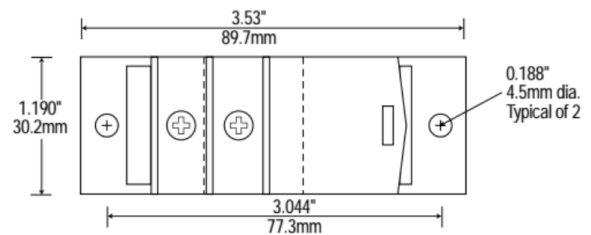
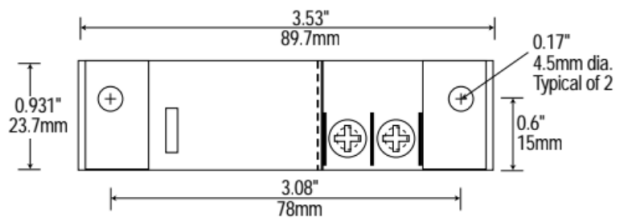
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Industry Usage

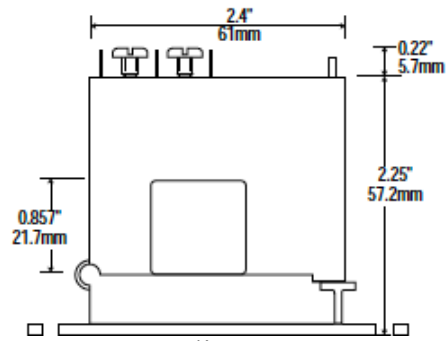
HVAC, Building automation, Energy management

Input Maximums

Range	Max. Continuous	Max. 6sec	Max. 1sec
0...2A	40A	60A	100A
0...5A	100A	124A	250A
0...10A	80A	125A	250A
0...20A	110A	150A	300A
0...50A	175A	215A	400A
0...100A	200A	300A	600A
0...150A	300A	450A	800A
0...200A	400A	500A	1000A



Solid core



Split core

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Ordering data:			
Item number	Range	VFI	Case
Sentry 200-1	0...10A, 0...20A, 0...50A	No	Solid core
Sentry 200-2	0...100A, 0...150A, 0...200A	No	Solid core
SC200-05	0...2A, 0...5A	No	Split core
SC200-1	0...10A, 0...20A, 0...50A	No	Split core
SC200-2	0...100A, 0...150A, 0...200A	No	Split core
Sentry 200-1-V	0...10A, 0...20A, 0...50A	Yes	Solid core
Sentry 200-2-V	0...100A, 0...150A, 0...200A	Yes	Solid core
SC200-1-V	0...10A, 0...20A, 0...50A	Yes	Split core
SC200-2-V	0...100A, 0...150A, 0...200A	Yes	Split core