



POWER MONITORING

AC CURRENT TRANSDUCERS WITH VOLTAGE OUTPUT

SENTRY 100 SERIES

DESCRIPTION

The Sentry 100 Series AC Current Transducers with Voltage Output can be used to directly monitor up to 200A and output a 0-5 or 0-10 VDC signal. The 100 Series is available in a split-core design that allows for easy installation of the transducer on existing wiring or in a lower-cost solid-core version.

FEATURES

- May eliminate the need for a current transformer
- Small size
- No power supply needed
- Split-core model easily installed over existing cable
- UL listed, CE certified



SC100-1L



100-1L



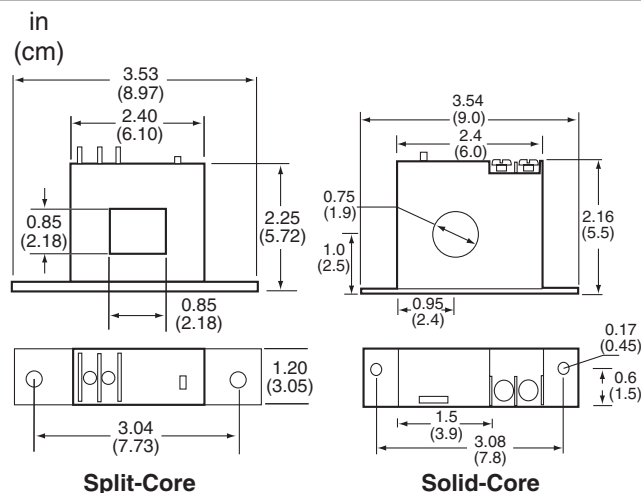
SPECIFICATIONS

MODEL	RANGE (amps)	OUTPUT	JUMPER	MAX CONT	MAX FOR 6 SEC	MAX FOR 1 SEC
				(amps)		
100-1L	0-10	0-5 VDC	None	80	125	250
SC100-1L	0-20		Mid	110	150	300
	0-50		High	175	215	400
100-2L	0-100	0-5 VDC	None	200	300	600
SC100-2L	0-150		Mid	300	450	800
	0-200		High	400	500	1000
100-3L	0-10	0-10 VDC	None	80	125	250
SC100-3L	0-20		Mid	110	150	300
	0-50		High	175	215	400
100-4L	0-100	0-10 VDC	None	200	300	600
SC100-4L	0-150		Mid	300	450	800
	0-200		High	400	500	1000

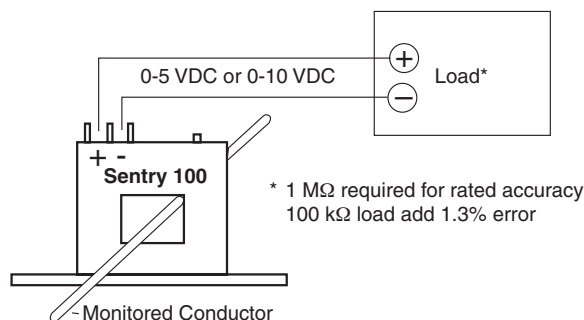
Output	0-5 VDC or 0-10 VDC
Accuracy	±1% FS over 5% to 100% of range
Loading	1 MΩ required for rated accuracy 100 kΩ load add 1.3% error
Power supply	None required
Frequency	50-60 Hz
Response time	100 ms, 0-90%
Operating temp	-58° to 149°F (-50° to 65°C)
Case	Thermoplastic (meets UL flammability rating 94V-0)
Weight	0.3 lb (0.12 kg)
Isolation	UL listed to 1270 VAC
Agency approvals	UL and ULC listed, File #E129625, CE
Warranty	5 years

Note: The Sentry 100 Series is average responding and not suitable for use on the load side of VFDs. Refer to the Sentry 200 Series to monitor VFDs.

DIMENSIONS



WIRING



* 1 MΩ required for rated accuracy
100 kΩ load add 1.3% error

ORDERING INFORMATION

MODEL	DESCRIPTION
100-1L	Solid-core current transducer, 0-50A, 0-5 VDC output
100-2L	Solid-core current transducer, 0-200A, 0-5 VDC output
100-3L	Solid-core current transducer, 0-50A, 0-10 VDC output
100-4L	Solid-core current transducer, 0-200A, 0-10 VDC output
SC100-1L	Split-core current transducer, 0-50A, 0-5 VDC output
SC100-2L	Split-core current transducer, 0-200A, 0-5 VDC output
SC100-3L	Split-core current transducer, 0-50A, 0-10 VDC output
SC100-4L	Split-core current transducer, 0-200A, 0-10 VDC output