

# POWER MONITORING

## CURRENT TRANSDUCERS - CURRENT OUTPUT MODELS SA200-1 / SA200-2

### DESCRIPTION

The **SA200 Series** split core current transducers can be used to directly monitor 0-50 amps with the **SA200-1** or 0-200 amps with the **SA200-2** and output a 4-20 mA signal. The split core design allows for easy installation of the transducer on existing wiring.

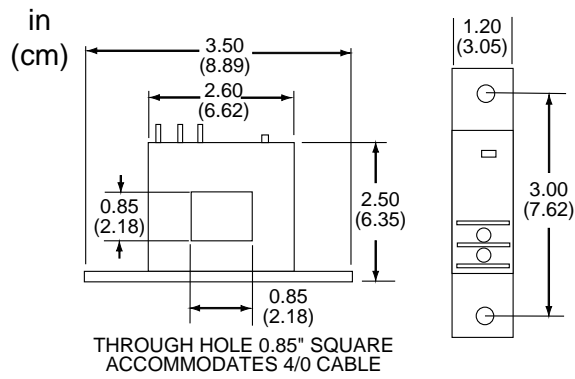
### FEATURES

- Can eliminate the need for a current transformer
- Small size
- Loop powered
- Easily installed over existing cable with split core design
- UL listed, CSA certified

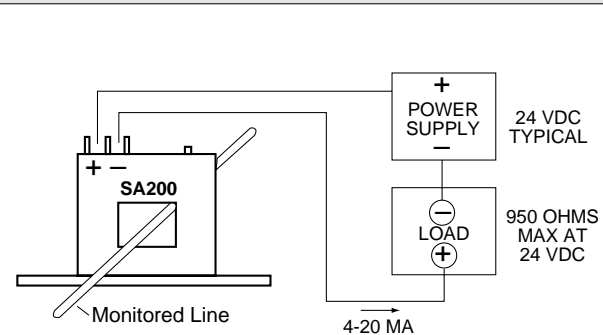


SPECIFICATIONS			
Model	Range	Jumper	Maximum Currents
SA200-1	0-10 Amps	None	Maximum continuous current is 200 amperes on any range.
	0-20 Amps	Mid	
	0-50 Amps	High	
SA200-2	0 to 100 Amps	None	Maximum current for 15 seconds is 1200 amperes on any range.
	0 to 150 Amps	Mid	
	0 to 200 Amps	High	
NOTE: Current ranges may be divided by looping the monitored wire thru the hole more than once. However, maximums are also divided.			
Supply voltage	5 to 40 volts DC		
Output	4-20 mA DC		
Output load	950 Ω max @ 24 VDC or $R_{max} = \frac{V_{Supply} - 5}{20 \text{ mA}}$		
Accuracy	± 0.5% of full scale		
Repeatability/linearity	± 0.1% of full scale		
Response time	300 milliseconds to 99% of final value		
Ripple & noise	8 mV peak-to-peak, measured per Paragraphs 4.6 and 6.5.2 of ISA S50.1		
Over-range capability	Sensor self-limits output current to 50 mA maximum		
Internal protection	Reverse voltage protection; High over-current capability (See values in table above)		
Frequency	Flat from 20 to 100 Hz		
Operating temp	14° to 158°F (-10° to 70°C)		
Case	ABS (Meets UL flammability rating 94V-0)		
Weight	0.3 lb (0.12 kg)		

### DIMENSIONS



### WIRING



### ORDERING INFORMATION

Model SA200-1	Split Core Current Transducer, 0-50 Amps, 4-20 mA output
Model SA200-2	Split Core Current Transducer, 0-200 Amps, 4-20 mA output