



Single Phase 500A AC Current Sensor · SACCS-2

The SACCS-2 Single Phase AC Current Sensor provides an analog DC Voltage output which is proportional to the AC current carried by the wire passing through its opening. Split core design and safe non-conductive thumb screws and plastic housing simplify installation on existing conductor. This sensor can only be used indoor.

The sensor is compatible with all Davicom Remote Monitoring and Control Systems. For readings in AC amps, enter the following values in the corresponding A, B, C and D coefficient fields of any Metering Input configuration screen:

A=0; B=100; C=0; D=0



Actual sensor may differ from the image shown. See dimensions below for more details.

ELECTRICAL SPECIFICATIONS	
Input Current:	0 to 500A AC (50 – 400 Hz)
Supply Voltage:	Self-powered
Output Voltage:	0 to 5V DC (linear)
Accuracy:	1% of reading from 10% to 100% of full scale
	3% of reading at 5% of full scale
	5% of reading at 2% of full scale
Operating temp. range:	-20°C to +55°C (-4°F to +131°F)
Voltage rating:	600V AC (Tested with 2.5 kV for 60 seconds)
Overload:	1.6X full load (continuous)
Surge:	3X full scale
Lead wires:	2.4m (8 ft.), twisted 22 AWG, red and black per UL1015

MECHANICAL SPECIFICATIONS	
Dimensions:	102 x 104 x 32mm (4.0 x 4.1 x 1.25 in) (W x D x H)
Weight (approx.):	500g (1.1 lbs)
Insert window size:	2" square
Housing:	Potted ABS

