ACC-SEN-CSSPLIT

Split-Core Current Sensor, 100/150/200 A

PART NUMBER **P51368**



Key features

- Split-core clamp installs on existing cables without disconnecting them
- Field-selectable 100 / 150 / 200 A range
- 4–20 mA loop-powered output, no external supply needed
- 1m cable with M12 connector for direct connection to Wildeye NACS inputs
- Integral mounting flange for secure installation

Overview

The ACC-SEN-CSSPLIT monitors AC current in motors, pumps, fans, and other electrical loads, and reports it to a Wildeye datalogger as a 4–20 mA signal. Use it to confirm when equipment is running, log run hours, and spot changes in load that can point to a blockage, worn impeller, or failing motor.

The split-core design clamps around an existing conductor, so you can install it without disconnecting cables or shutting down the equipment. Each sensor comes with a 1 m cable and M12 connector that plugs straight into a Wildeye NACS 4–20 mA input. There's no wiring to terminate in the field, and no separate power supply. The sensor is loop-powered from the logger input.

The measurement range can be set to 100, 150, or 200 A with a jumper, so one sensor covers a wide range of equipment. Readings appear in mywildeye in real time, and you can set alerts for start, stop, or out-of-range current.

Electrical safety

Installation must be carried out by a qualified electrician. Isolate the circuit before fitting the sensor wherever possible.

Installation

- Clamp the sensor around a single conductor only. Clamping around a complete cable

(active and neutral together) will give a zero reading.
- The ACC-SEN-CSSPLIT measures AC current only.

Variable speed drives

The sensor is calibrated for sinusoidal current. Readings on loads driven by a variable speed drive (VSD) may be less accurate.

Specifications

Measurement

Sensing Range	0-100A, 0-150A, 0-200A (field-selectable)
Output	4–20 mA, 15 to 42VDC, loop powered
Accuracy	1%
Response time	250 ms to 90%
Frequency	10 to 400 Hz
Isolation voltage	2000 V

Physical

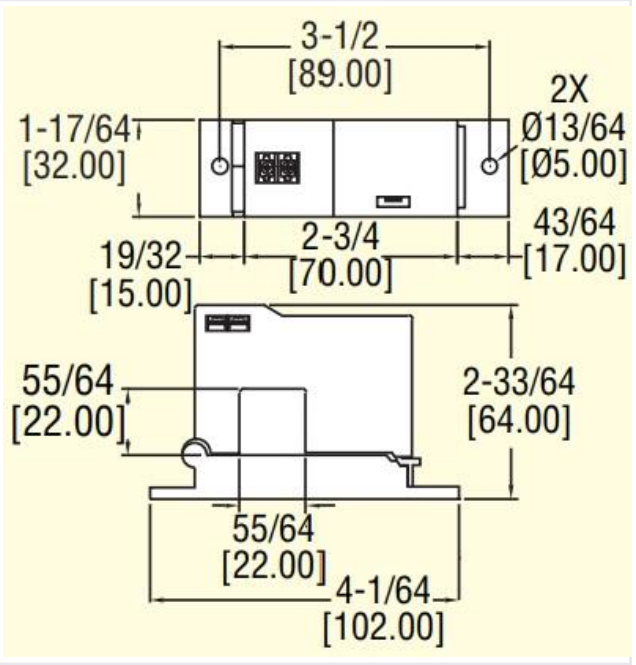
Operating temperature	-30 to 70ºC (-22 to 158ºF)
Humidity Limits	0 to 95% (non-condensing)
Housing	ABS, UL 94 V-0 flammability rated
Dimensions	102mm x 64mm x 32mm

Connection

Connector	M12 male, 5 position
Cable length	1m

PIN	WIRE COLOUR	FUNCTION
1	Brown	V+
2	White	N/C
3	Blue	4-20mA return
4	Black	N/C
5	Grey	N/C

Dimensions



Compatibility

Compatible loggers	Wildeye -NACS plug
Mywildeye.com Add Sensor template	Wildeye ACC-SEN-CSSPLIT
Add Sensor QR	Use this QR code in the Wildeye App to add this sensor