

What is arc flash?

Think of an arc flash as a short circuit through the air. In an arc flash incident, an enormous amount of concentrated radiant energy explodes outward from electrical equipment.

The explosion creates pressure waves and a superheated ball of gas that can severely burn a worker's body and melt metal. The pressure waves can also propel loose material like molten metal, pieces of damaged equipment, tools and other objects through the air.

Working with current sensors that require manual calibration in a live enclosure can put installing technicians in situations where they can be unnecessarily exposed to potential arc flash hazards.



[Click here to see 480V arc flash demo](#)

Understanding the hazards of arc flash

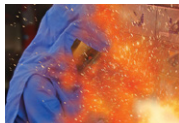
The effects of an arcing fault can be devastating. The intense thermal energy can cause severe burns in a fraction of a second. One of the major causes of electrical burns and deaths to workers is ignition of non-fire rate clothing due to an arcing fault. A victim may never return to work or enjoy quality of life. Treatment costs can exceed \$1,000,000 per case. Other considerations include loss of life, potential litigation fees, loss of process and potential fines.

How Senva Sensors reduce dangers from arc flash

Avoiding calibration in an energized enclosure is the best way to avoid arc flash when working with current sensors. Senva offers two models, Autoset™ and Preset™, which both address this application issue.

Autoset™ self-calibrates after installation using Senva's 24sense™ technology which adapts to system changes, such as air balancing.

Preset™ uses a unique scaled adjustment which is set to the motor FLA. Presets save 15-18 minutes per sensor compared to manually adjusted sensors, because there is no need to return to the site to calibrate in a live enclosure.



Reduce risk of arc flash by eliminating calibration in live enclosures.



No guesswork. Manual multi-turn adjustments are a thing of the past.



Senva Autoset™ and Preset™ sensors save a minimum of 15 minutes per install compared to other adjustable sensors.

AutoSet ORDERING INFORMATION

SPLIT CORE	Min (on)	Max A	N.O. Output*	Sensor Power
C-2350VFD	0.5A	135A	1.0A@30VAC/DC	Induced

PreSe™ ORDERING INFORMATION

SPLIT CORE*	Min (on)	Max A	N.O. Output*	Trip LED	Power LED
C-2320-L	0.45A	50A	1.0A@30VAC/DC	•	•
C-2320	0.5A	100A	1.0A@30VAC/DC	•	•
C-2320-H	0.5A	150A	1.0A@30VAC/DC	•	•
C-2320HV	0.5A	100A	0.2A@120VAC/DC	•	•
C-2320HV-L	0.45A	50A	0.2A@120VAC/DC	•	•

*Additional housing types/ranges available. See website or call your National Account Manager

