

PreSet™ Current Switches

- Scaled calibration for proof of flow set-point
- Split and solid core models to 150A
- N.O. 30VAC/DC or 120VAC output
- Optional command relay



Patent Pending

DESCRIPTION

PreSet™ allows for matching sensor set-point to the motor nameplate, eliminating the need to calibrate in energized enclosures and reducing installation time. It will detect motor undercurrent conditions such as belt loss, coupling shear, and mechanical failure on fans and pumps.

APPLICATIONS

- Detecting belt loss, coupling shear, and mechanical failure on fans and pumps
- Monitoring status of industrial processes
- Monitoring status of critical motors

FEATURES

Save time and money while eliminating calibration inside energized enclosures

- Preset™ scaled calibration enables set-point adjustment for proof of flow by simply matching dial to motor full load amps (FLA) nameplate
- Safer: Eliminates calibration in energized enclosures, reduces arc flash hazard
- No need to return to calibrate—saves time and money
- Super low turn-on

Maintenance-free—no call backs

- Superior to differential pressure sensors
- Industry leading 7 year warranty

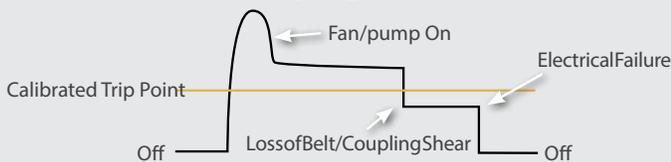


Simply set to motor FLA for proof of flow set-point
Patent Pending



SET-POINT OPERATION

Detects Belt Loss/Coupling Shear!



Now you can easily detect when drive belts slip, break, or pump couplings shear. In fact, a typical HVAC motor that loses its load has a reduction of current draw of up to 50%. That's why our sensors are the industry standard for status.



No hazardous guesswork. Multi-turn adjustments are a thing of the past.



Reduce the risk of arc flash because sensor is calibrated to motor FLA nameplate



Save over 1/2 hour per sensor install—based on field productivity tests.

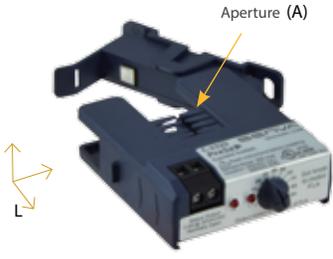
SPLIT CORE C-2320

OPTIONAL RELAY for additional labor savings

SPLIT CORE - MINI C-2220

SOLID CORE C-1320

SOLID CORE - MINI C-1220



L: 2.5" H: 0.57" W: 2.23"
A: 0.75" x 0.75"

- Mount sensor without removing conductor for installation savings
- Clamp on conductor with iris, or use detachable base to screw or DIN mount
- Larger 0.75" aperture accommodates oversize conductors



L: .84" H: .72" W: 2.06"

- Add to 2320 series to get start/stop/status in a single device
- Reduces the number of installed components... saves time and space
- Removable relay facilitates service



L: 2.02" H: 0.76" W: 1.62"
A: 0.42" x 0.35"

- Mount sensor without removing conductor for installation savings
- Fits in small enclosures
- Clamp on conductor with iris, or screw mount detachable base



L: 2.26" H: 0.97" W: 1.6"
A: 0.51" diameter

- Compact design
- Aperture accommodates spade terminals



L: 1.91" H: .88" W: 1.31"
A: .23" diameter

- Super small—fits anywhere
- Low cost



Detailed dimensions, see page 20
CAD drawings see www.senvainc.com/cad

ORDERING INFORMATION

SPLIT CORE	Min (on)	Max A	N.O. Output*	Trip LED	Power LED
C-2320L	1.25A	50A	1.0A@30VAC/DC	•	•
C-2320	1.25A	100A	1.0A@30VAC/DC	•	•
C-2320 H	1.25A	150A	1.0A@30VAC/DC	•	•
C-2320HV	1.25A	100A	0.2A@120VAC	•	•
C-2320HV-L	1.25A	50A	0.2A@120VAC	•	•

SPLIT CORE - MINI

C-2220	1.25A	50 A	1.0A@30VAC/DC	•
C-2220L	1A	5 A	1.0A@30VAC/DC	•

SOLID CORE

C-1320	0.75A	50 A	1.0A@30VAC/DC	•
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SOLID CORE - MINI

C-1220L	0.75A	5 A	1.0A@30VAC/DC	•
C-1220	0.75A	50 A	1.0A@30VAC/DC	•

COMMAND RELAY

Contact rating

Coil

CR3-24	N.O. 10(5)@250VAC	24VAC/DC 10mA
CR4-24	N.C. 10(5)@250VAC	24VAC/DC 10mA
CR3-12	N.O. 10(5)@250VAC	12VDC 25mA
CR4-12	N.C. 10(5)@250VAC	12VDC 25mA

Other coil voltages available—consult factory

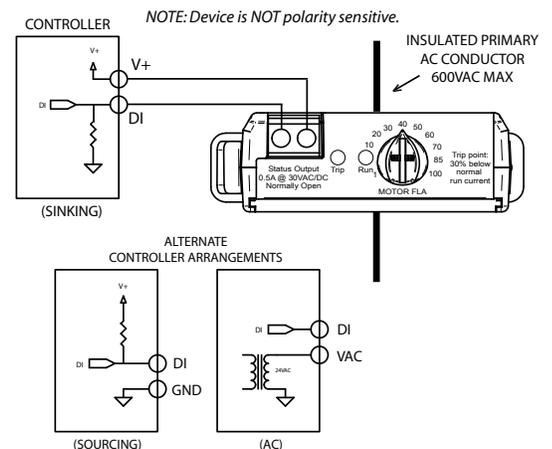


Ordering tip: For best resolution, choose the sensor lowest maximum amperage which accommodates your motor (e.g. 0-50A us-L, 50-100A use standard, 100to 150A use -H)

SPECIFICATIONS

Standard Output Rating	1.0A@30VAC/DC
Line Voltage Output Rating	0.2A@120VAC (-HV ONLY)
Output Type	NO, solid-state FET
Temperature Rating	-15-60 °C
Insulation Class	600V RMS. For use on insulated conductors only! Use minimum 75 °C insulated conductor
Sensor Power	Induced
Frequency Range	50/60Hz

TYPICAL WIRING



Warning: Refer to installation instructions that accompany product and heed all safety instructions. Do not rely on current status LED to indicate presence of power.