AutoSet Series

Self-calibrating Current Switch

Auto-calibrating, No Calibration in Energized Enclosures

Faster than Programming Drive Auxillary Contacts

Easier Installation, No Tools Required



DESCRIPTION

The AutoSet™ VFD self-calibrates to detect proof of flow on both variable frequency driven and constant volume motors on fans or pumps. The C-2350VFD automatically sets the proper threshold, eliminating false alarms associated with varying frequencies. Detects motor undercurrent conditions such as belt loss, coupling shear, and mechanical failure on fans and pumps while reducing installation time. New super-low 0.5A turn-on--totally self-powered!

APPLICATIONS

- Detecting belt loss, coupling shear, and mechanical failure on variable frequency drives and constant volume fans and pumps.
- Great for data center current switch sensing



Optional CR-XX command relay for stop/start/status in one labor saving device.



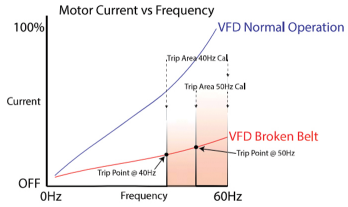
Low turn-on of 0.5A for proof of flow status on VFDs. No calibration typically required.



Never clibrate in live enclosures again. Redicing risk of an arc flash.



Proven 1/2 hour savings per install over manually calibrated devices.



Utilizes a algorithm to detect belt loss on motors operated by variable frequency drives



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FEATURES

- Self-calibration
- No need to open energized enclosures - save on labor as well as improves safety
- Sensor is always properly adjusted—no callbacks
- Push-button and LED for fast learn and go/no modes
- Optional command relay for stop/start/status in unitary device—saves component and installation space/cost
- Solid-state-more reliable than mechanical pressure switches for proof of flow
- Quality backed by 7 year limited warranty!

ORDERING

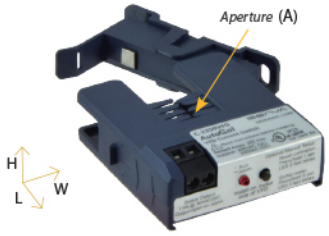
SPLIT CORE	Min (on)	Max Amps	Output	Run/Alarm LED	Sensor Power
C-2350VFD	0.5A @ 60Hz 1.5A @ 20Hz 2.5A @ 10Hz	135A	1.0A@30VAC/DC	•	Induced

COMMAND RELAY - DIRECT MOUNT (MOUNTS ON ALL 2300 SERIES CURRENT DEVICES)	Contact rating	Coil
CR3-24	N.O. 10A @ 125VAC	24VAC/DC 15mA nominal
CR4-24	N.C. 10A @ 125VAC	24VAC/DC 15mA nominal
CR3-12	N.O. 10A @ 125VAC	9-12VDC 30mA nominal
CR4-12	N.C. 10A @ 125VAC	9-12VDC 30mA nominal

Other coil voltages available—consult factory

DIMENSIONS

SPLIT CORE
C-2350VFD



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 accomodates oversize conductors

OPTIONAL RELAY



L: 0.84" H: 0.72" W: 2.06"

- Add to 2350VFD series to get start, stop, status in a single device
- Reduces the number of installed components… saves time and space
- Removable relay facilitates service

Warning: The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.

SPECIFICATIONS

Split Core	Min (on)	Max A	Output*	Sensor P
C-2350VFD	0.5A	135A	1.0A@30VAC/DC	Induced

Command Relay	Contact rating	Coil
CR3-24	N.O. 10A@125VAC	24VAC/DC, 15mA nom.
CR4-24	N.C. 10A@125VAC	24VAC/DC, 15mA nom.
CR3-12	N.O. 10A@125VAC	9-12VDC, 30mA nom.
CR4-12	N.C. 10A@125VAC	9-12VDC, 30mA nom.

** Product improvement is a continual process at Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.*