ECMset Pro

ECM Current Switch with ECTune (patent pending)

Lowest turn on in the industry (as low as 30 mA), no more wire wraps

Accurate state detection down to δ5 mA, eliminate costly call-backs

Tool-free adjustment with LED indication, save time with fast installation

DESCRIPTION

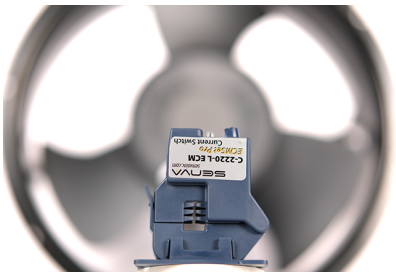
The ECMSet Pro, with the industry's lowest turn-on threshold, minimizes the need for wire wraps eliminating the frustration at installations where space or wire is insufficient for a proper wrap. With ECTune technology (PATENT PENDING), the CT is tuned to the electronic signature of an EC motor. In addition to achieving the industry's lowest turn-on, it also allows the sensor to detect on/off states with even the slightest change in current. This reduces call-backs for false 'on' or 'off' status and reduces time spent troubleshooting and commissioning. The no-tools-required adjustment knob is linearly calibrated, providing the user ability to fine-tune without the hassle of multi-turn dials. It is also strategically marked so the sensor can be pre-adjusted and installed without any live calibration. Finally, the red/green LED gives status indication for local testing and troubleshooting. Reduce installation time and eliminate call-backs with the ECMSet Pro.

APPLICATIONS

- Go/no run detection for EC motors.
- Greater setpoint resolution prevents false trips due to EC motor stand-by current.
- Fans, pumps, and other loads driven by EC motors
- Small load go/no detection, even non-ECMs

Tool-free adjustment with LED indication

No more wire wraps



Works flawlessly - accurate motor state detection down to Δ5 mA

FEATURES

- **No more wire wraps**: The industry's lowest turn-on (down to 30 ma), thanks to ECTune technology (read more!)
- **No troubleshooting or callbacks:** Sensitivity down to 5ma eliminates false "ON" or "OFF" indications
- **Fast and safe installation**: No-tools-required adjustment knob is linearly calibrated, providing the user ability to fine-tune without the hassle of multi-turn dials.
- **Immediate feedback**: Local LED indicators provide immediate feedback on motor status
- **No calibration:** It is strategically marked so the sensor can be pre-adjusted and installed without any live calibration.
- **Reduced maintenance costs:** The precise detection of motor states and reduced false alarms, saving time and reducing operational costs.

ORDERING

SPLIT CORE	Min (on)	Max Amps	N.O. Output*	Trip LED	Power LED
C-2220-L-ECM	0.03A	50A	1.0A@30VAC/DC	•	•

DIMENSIONS

SPLIT CORE - MINI
C-2220-L-ECM

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

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	
Type	Split-Core Current Switch
Amperage Range	0 A to 50 A
Trip Adjustment	0.03 A~0.50 A (varies by motor type)
Dial Adjustment	240 degrees, no tools required
Output Type	NO, solid-state FET
Contact "On" Resistance	<10ω
Contact "Off" Resistance	>1Mω
Response Time	<3s
Hysteresis	2-6%
Standard Output Rating	1.0A@30VAC/DC
Power/Status LED	Power (red), Contact closed (green)
Environmental Rating	5-140 °F (-15-60 °C) 10-90% RH Non-condensing
Insulation Class	600V RMS. For use on insulated conductors only! Use minimum 75 ° C insulated conductor
Sensor Power	Induced
Frequency Range	50/60Hz
Dimensions (LxWxH)	1.9" x 1.35" x 0.6" (2.0" x 1.6" x 0.6" with bracket)
Sensor Aperture	0.375"
Compliance	cUL, UL, CE, RoHS

** 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.*