

ECMset Pro

ECM Current Switch with ECTune™ **Technology**

Lowest turn on in the industry (as low as 30 mA), no more wire wraps Resolution down to 5 mA for on/off state difference, eliminate costly callbacks

Tool-free adjustment with LED indication, save time with fast installation Better than using Analog sensors, no more panel programming required















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 the patent pending ECTune™ technology, 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 callbacks 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 the ability to fine-tune without the hassle of multi-turn dials. It is also strategically marked, with a lettered dial (A-K) so the sensor can be preadjusted 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.
- High setpoint resolution prevents false trips due to EC motor stand-by current.
- Fans, pumps, and other loads driven by EC
- Small load go/no detection, even non-ECMs







Low turn-on current eliminates the need for bulky wire wraps



Works flawlessly - accurate motor state detection with a sensitivity of 5 mA









Eliminate costly call-backs with the ECMSet

Pro

Lettered dial (A-K) can be pre-adjusted and calibrated for repeat installations

Made in the USA with a 7-Year Warranty

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: Resolution down to 5 mA 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 need to calibrate the same motor twice: It is strategically marked with a lettered dial so the sensor can be pre-adjusted and installed without any live calibration. (<u>read more!</u>)
- Reduced maintenance costs: The precise detection of motor status and reduced false alarms, saving time and reducing operational costs.

ORDERING



SPLIT CORE	Min (on)	Max Amps	N.O. Output*	LED Indicator
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

A

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			
Туре	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	< 10 ω		
Contact "Off" Resistance	>1M ω		
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		
Power Sensor	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.