## *ECMset*

# *ECM (Brushless motor) Current Switch*

Tool-free adjustable trip-point as low as 0.25A

Prevent false stand-by current trips

No panel programming required




### DESCRIPTION

ECMSet™ is designed for no/go run detection on electronically commutated motors (ECMs) . ECMs draw a small amount of AC standby current to power their inverter, up to 1A, even when the motor isn't running. The ECMSet features a high resolution adjustable turn-on setpoint to ignore standby current, preventing false ON status indications.

### APPLICATIONS

- No/go run detection for EC motors
- On set-point prevents false trips due to EC inverter stand-by current
- Great for data center current switch sensing




*Turn-on setpoint minimizes false trips due to standby ECM inverter draw.*



*Optional CR command relay for stop/start/status in a single labor saving device.*




## FEATURES

- Reliable operation on ECM motors
- Set trip point with easily scaled dial to that sensor only turns on when motor is actually running
- Super low turn-on adjustment scale Maintenance-free—no call backs
- No hazardous guesswork. Multi-turn adjustments are a thing of the past
- Reduce the risk of arc flash; sensor can be set without calibration in live enclosure
- Industry leading 7 year warranty
- Looking for something smaller? Or a lower turn-on current? Check out the Pro version: ECMSet Pro

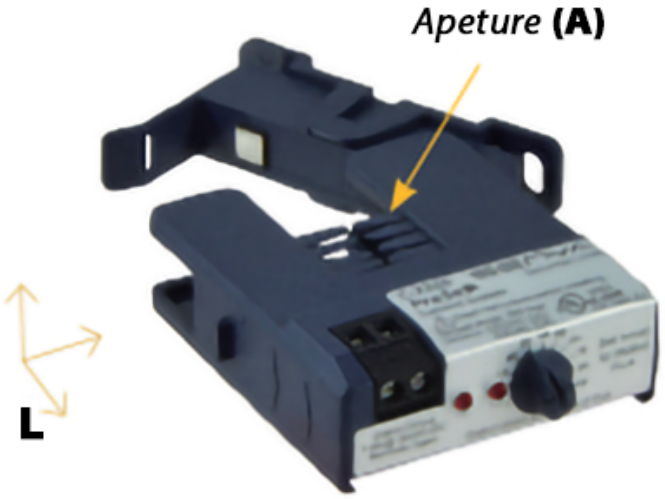
## ORDERING

| SPLIT CORE | Min (on) | Max Amps | N.O. Output* | Trip LED | Power LED |
|---|---|---|---|---|---|
| C-2320-L-ECM | 0.25A | 200A | 1.0A@30VAC/DC | • | • |

| 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




**L:** 2.5″ **H:** 0.57″ **W:** 2.23″
**A:** 0.75″x0.75″

**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

| | |
|---|---|
| Standard Output Rating | 1.0A@30VAC/DC |
| Output Type | NO, solid-state FET |
| Environmental Rating | 5-140 °F (-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 |
| Dimensions (LxWxH) | 2.94"x 2.23" x 0.82" (1.4"H with optional relay module) |
| Sensor Aperture | 0.75" |
| 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.*