

SELF POWERED CURRENT SWITCH - SPLIT CORE

FEATURES:

- ◆ Split Core - large wire window
- ◆ Hysteresis and anti-transient circuitry eliminates chatter and false switching
- ◆ Easy Wiring - 6.5 ft flying leads
- ◆ Low Cost



APPLICATION:

The *i-Snail®-S-C* current switch provides an accurate and cost effective method of monitoring the ON/OFF status of electric loads including fans, pumps, motors, heaters and virtually any AC powered devices.

The digital (on/off) output provides a N.O. 'dry contact' closure which may be interfaced to PLCs, DDC controllers or control relays.

SPECIFICATIONS:

Power:	Self Powered from monitored AC line.
Current Input:	500 mA to max. 100 A (50/60 Hz)
Output:	Bi-directional, normally open MOSFET relay: 4 Ohms MAX when closed 40V (AC/DC) @ 200mA
Switch Point:	≤ 500 mA
Hysteresis:	~10 mA (ie: on at 500mA, off at 490mA)
Enclosure:	ABS (UL 94V-0) Plastic box 1.75"x1.25"x1.25"
Weight:	2.4 oz (68 g)
Wire Window:	5/8" (16 mm)
Output Leads:	6.5 ft (2 m), UL1015 style, 24AWG, 600V
Dielectric Test:	Hi-pot 2500 V/1 minute

PRODUCT DESCRIPTION:

The *i-Snail®-S-C* is a self-powered and sensitive current switch (Go-No-Go load sensor). The dry contact relay (N.O.) closes when a minimum amount (500mA) of AC current is flowing through the monitored line. The device is ideal for monitoring the status of fans, motors, pumps, heaters or any device that is AC powered, including large and small loads.

The output is a bi-directional Solid State Relay with a low turn on resistance of less than 4 Ohms. The output may be interfaced to PLCs, DDC panels or other relays. The hysteresis and transient detection circuitry prevent chattering and false switching due to line spikes and transients.

The *i-Snail®-S-C* uses a split core current transformer with large (5/8") wire window. It can be easily applied on any existing wire without the need of disconnecting. The overall compact size and 6.5' wire leads allow for fast and convenient installation.

