

SELF POWERED GO/NO-GO CURRENT STATUS SWITCH

FEATURES:

- ◆ Low turn on (less than 0.150 A)
- ◆ Hysteresis and anti-transient circuitry eliminates chatter and false switching
- ◆ Easy Wiring
- ◆ Rugged enclosure
- ◆ Low Cost



APPLICATION:

The *i-Snail*[®]-S 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 device.

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

SPECIFICATIONS:

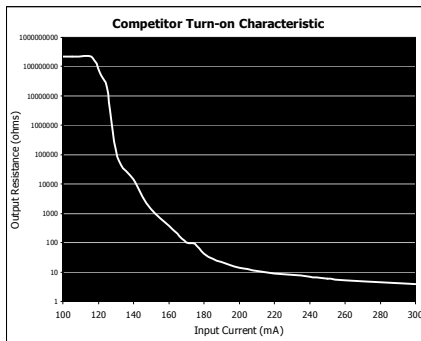
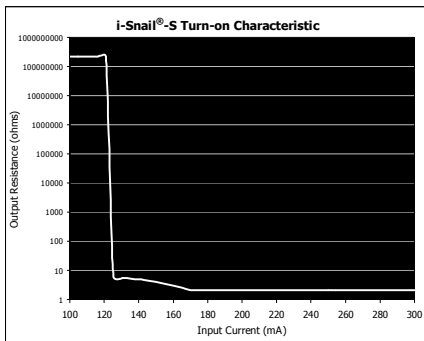
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|-----------------------------|---|
| Power: | Self Powered from monitored line. |
| Current Input: | 0.150 to 100A |
| Output: | Bi-directional, normally open relay. 4 ohms MAX when closed. 40V (AC/DC) @ 200mA. |
| Switch Point: | ≤ 150mA |
| Hysteresis: | ~10mA (ie: on at 150mA, off at 140mA) |
| Enclosure: | ABS (UL 94V-0) Plastic box 2"x1.6"x0.9" |
| Weight: | 2.4 oz (68 g) |
| Wire Window: | 0.54" (13.7 mm) |
| Terminal Block (-S): | Barrier Strip. Accepts up to 12-26AWG |
| Lead Length (-S-w): | 6" (15 cm) |

PRODUCT DESCRIPTION:

The *i-Snail*[®]-S serves as an ultra sensitive Go/No-Go load sensor. The dry contact relay (N.O.) closes when a minimum amount (150mA) of AC current is flowing through its monitored line. The device is ideal for monitoring the running state 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 advanced hysteresis and transient detection circuitry prevent chattering and false switching due to line spikes and transients.

The *i-Snail*[®]-S features a rugged enclosure with integrated barrier strip terminal block or 6" leads for easy wiring in the field.



Universal mounting hardware for surface mounting

ORDERING INFORMATION:

| Version | Part Number |
|----------------|-------------|
| Terminal Block | i-Snail-S |
| 6" Wire Leads | i-Snail-S-w |