ELKOR

i-Snail®-V

CURRENT TRANSDUCER /W 0-5VDC OUTPUT

FEATURES:

♦ 0-5V DC Output

♦ Self powered

♦ Robust construction (potted box)

♦ Compact size and easy wiring

APPLICATION:

The *i-Snail®-V* offers an inexpensive means to monitor any electrical load.

This product is ideal as an AC load transducer for Control and Energy Management applications.

The built-in CT and self powered feature combine to make an easy to install, robust solution.

SPECIFICATIONS:

Power: Self powered by line current

Input: Wire current input through CT up to calibrated range:
  0-10A AC
  0-25A AC
  0-50A AC
  0-100A AC

CT Wire Window: 14.5mm (0.570")

Frequency: 50 or 60 Hz

Output: 0-5 VDC, proportional to RMS input current (sine wave). Clamped at 6VDC. (All units rated for 150A max input).

Accuracy: better than 1% of full scale.

Enclosure: Potted plastic box L=3", W=1.1", H=0.4" + CT height, Panel mount ready. Interfacing CT permanently attached

Dielectric test (input/output) - 4 kVRMS

PRODUCT DESCRIPTION:

The *i-Snail®-V* is a simple self powered AC current transducer that provides a 0-5V analog signal proportional to the AC current flowing through the CT. Available in three ranges, the *i-Snail®-V* is calibrated to AC sine wave. There is no need for input current configuration nor trimming, saving time and confusion in the field.

The transducer is enclosed in a fire retardant ABS box and encased in potting epoxy to withstand moisture, dust and vibration. The integrated mounting tabs provide an easy means to install the unit on a wall or within a control panel.

The *i-Snail®-V* is ideal for load monitoring without the need for an external power supply. Two signal wires are all that are needed to obtain a linear, 0 to 5 V DC output voltage that may be easily interfaced with PLCs and DDC SCADA systems.

The *i-Snail®-V* includes an on-board CT with a 14.5mm (0.570") wire window that can accommodate up to AWG #2. The available input ranges are 0-10A, 0-25A, 0-50A and 0-100A. Multiple turns of the primary wire may be used to alter the input range.

ORDERING DETAILS:

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i-Snail-V-XX
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Where XX specifies the full scale input current (10, 25, 50, 100 Amps AC)