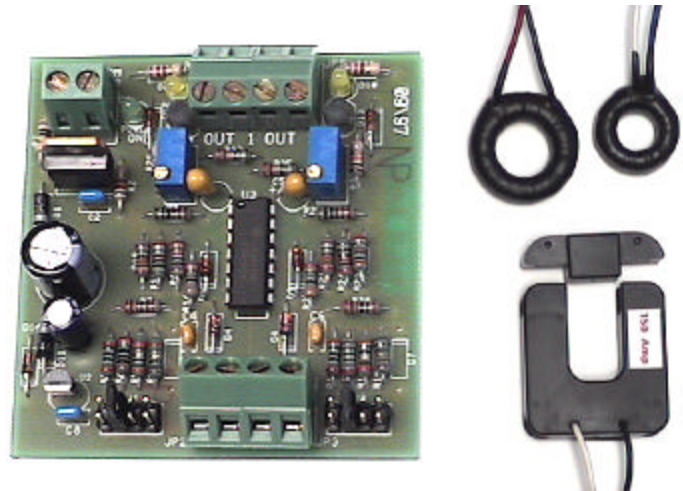


TWO CIRCUIT LOAD MONITOR

FEATURES:

- ◆ Space Saving Current Sensors.
- ◆ Linear Analog Output (25 mA driving capacity)
- ◆ User Selectable Ranges.
- ◆ Small Size and Easy Installation.
- ◆ Low Cost.



APPLICATION:

The ETAMP2 board is used to monitor AC current in two independent circuits. Combined with small current sensing CTs the board acts as inexpensive current transducer.

The board may be used for performance and status monitoring of any electrical equipment. It is ideal as an universal, multi-range current transducer for fans, pumps and other electrical loads controlled by Energy Management System.

PRODUCT DESCRIPTION:

The ETAMP2 two channel board accepts a mV input from Elkor's Miniature Current transformers (MCTs) that can be applied directly on the line wires or the 5A secondary of the existing CTs. The board offers four user selectable input ranges (5, 10, 50 and 100 A are standard with the MCT1 sensor). Each channel may be individually adjusted by a jumper. This feature is very convenient in situation where the actual nominal load is unknown.

Another version of the ETAMP2 board accepts direct 5A input from any standard CTs, without range selection.

The board contains precision rectifier circuit that produces DC voltage signal proportional to the RMS calibrated average value of the input current. Each output has its status indicating LED that is factory set to be 'ON' at about 25 % of the nominal load selected.

The board is equipped with angular connectors for fast and easy wiring. It mounts in a 2.75" wide snap track.

SPECIFICATIONS:

Power: 24 VAC , 2 VA

Input: Miniature Current Transformers (MCTs) or standard 5A CT. With MCTs four input ranges are available: 0-5 A; 0-10 A; 0-50A and 0-100 A - user selectable for each channel.

Output: 0-5 VDC, linear and proportional to metered AC current. Output calibrated in RMS based on averaged value. Output driving capacity - 25 mA max. clamped at 5 VDC.

Indication: Power On - green LED. Output status yellow LED set to be 'ON' @ 25% of load selected.

Accuracy: Better than 2 % FS (independent of output loading impedance).

Dimensions: 2.75" x 2.75" (25 x 70 mm), mounts in TR-2 snap track (provided).

ORDERING INFORMATION:

ETAMP2
ETAMP2-5A

- describes a standard board c/w two MCT1**
- the board with 5A input from standard CTs (CTs are extra)

**Please contact Elkor for other current sensors.