ANALOGUE PANEL METER : SiETM

Operating Manual

Elapsed Time Meter

- SiETM 72
- SiETM 96

Caution : Risk of Danger
These instructions contain important safety information: Read before starting installation or servicing of the equipment.

Caution : Risk of Electric Shock

Marking and ratings

Label on case show electrical rating and connection diagram, the terminals are connected directly across the input to be measured.
These meters are intended for a rated temperature range, is 0-40^{0}C and up to 80% relative humidity for temperatures up to 31^{0}C, decreasing linearly to 50% relative humidity at 40^0 C, and only for indoor use at an altitude of less than 2000m.

Installation

The meter should be installed in line with the requirements of the National Electrical Code (NEC) for USA or Canadian Electrical Code (CEC) for Canada. It should be installed in a dry position, not in direct sunlight and where the ambient temperature is reasonably stable and will not be outside the range noted above These units are only for built in use, with terminals inaccessible to users after installation.

Fusing and connections

Terminals are suitable for use with insulated lugs. Wiring must comply with class 1 requirements.
These products do not have internal fuses therefore external fuses must be used for safety protection under fault conditions. Voltage input lines where required must be fused with a quick blow fuse 1A maximum.
The equipment into which this meter is installed must have an adjacent means of isolating the supply voltage to permit safe access for subsequent maintenance.
These products are designed for permanently connected use, normal condition measurement category III, pollution degree 2 (e.g. non ventilated panels or ventilated panels with filters, without condensation occurring), basic insulation, for rated voltage.
Snap the terminal cover after connecting wires to the terminals.

Cleaning and maintenance

As required, wipe the front face with a damp cloth, ensuring that no moisture enters the unit or penetrates behind the mounting panel. No maintenance is required

Warning

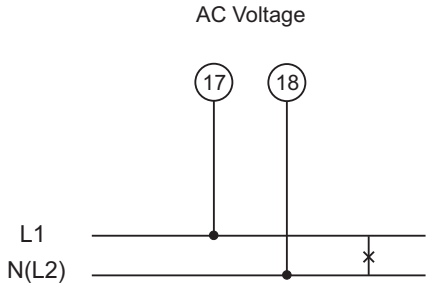
• During normal operation, voltages hazardous to life may be present at some of the terminals of this unit. Installation and maintenance should be performed only by qualified, properly trained personnel' abiding by local regulations. Ensure all supplies are de-energised before attempting connection or other procedures.
• If this equipment is used in a manner not specified by the manufacturer, protection provided by the equipment may be impaired.

Electromagnetic Compatibility

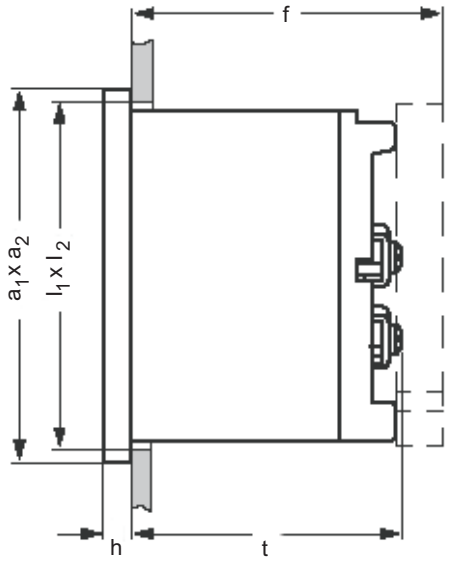
This unit has been designed to provide protection against EM (electromagnetic) interference in line with requirements of FCC and other regulations. Precautions necessary to provide proper operation of this and adjacent equipment will be installation dependent and so the following can only be general guidance:-

• Avoid routing wiring to this unit alongside cables and products that are, or could be, a source of interference.
• The auxiliary supply to the unit should not be subject to excessive interference. In some cases, a supply line filter may be required.
• To protect the product against incorrect operation or permanent damage, surges and transients must be controlled. It is good EMC practice to suppress transients and surges at the source.
• Screened small signal leads are recommended and may be required. Connecting leads may require the fitting of RF suppression components, such as ferrite absorbers or line filters
• It is good practice to install sensitive electronic instruments that are performing critical functions in EMC enclosures that protect against electrical interference causing a disturbance in function.
For assistance on protection requirements please contact your local sales office.

Connections:



Dimensions



Front in mm	Nominal Dimensions, mm		Cutout, mm	Installation Depth Including Terminal (t), mm	Installation Depth Incl. Full Cover (f), mm
	a_1 x a_2	h	l_1 x l_2		
72 x 72	72 x 72	5.5	$68^{+0.7}$ x $68^{+0.7}$	54	62.5
96 x 96	96 x 96	5.5	$92^{+0.8}$ x $92^{+0.8}$	54	62.5

Subject to change without notice!

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