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Ref: DIN – Rev 1 – Sept 02

The product should be panel mounted using the mounting hardware supplied. Consideration should be given to the space behind the unit to allow for bends in the connecting cables. The terminals on the meter rear should be protected from liquids.

The unit must not be mounted where it can be subjected to direct sunlight, and vibration should be kept to a minimum. Connection wires must be sized to comply with local regulations and must be terminated on tags suitable for screw connection. The product has no internal fuse, therefore; external fuses must be used for safety protection under fault conditions.

SAFETY INSTALLATION FOR COMPLIANCE TO SAFETY STANDARDS

WARNING

- During normal operation, voltages hazardous to life may be present at some of the terminals of this unit. Installation and servicing 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.
- Terminals should not be user accessible after installation and external installation provisions must be sufficient to prevent hazards under fault conditions.
- Never open circuit the secondary winding of an energised current transformer.

SAFETY STANDARDS

This product complies with:
International standard: IEC1010-1
For UK: BS EN 61010-1 (IEC1010-1)

Fusing and connections

This unit must be fitted with external fuses in voltage supply lines. Voltage input lines must be fused with a quick blow fuse 1A maximum. Choose fuses of a type and with a breaking capacity appropriate to the supply and in accordance with local regulations.

**Analogue Instruments
DIN Panel Meters**

SAFETY SPECIFICATION

- Permanently connected use.
- Normal condition
- Basic insulation
- Installation category II
- Pollution degree 2
- This product is intended as part of a permanent installation.
- Low Voltage Directive BSEN 61010-1
- For use in altitudes up to 2000m
- Temperature 0-40 degree C Maximum relative humidity 80% for temperature up to 31° C decreasing linearly to 50% RH at 40°C
- Operating temperature to retained stated product accuracy 0-40°C

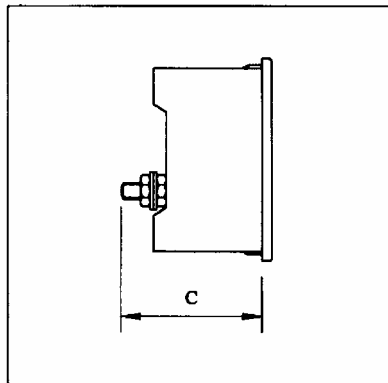
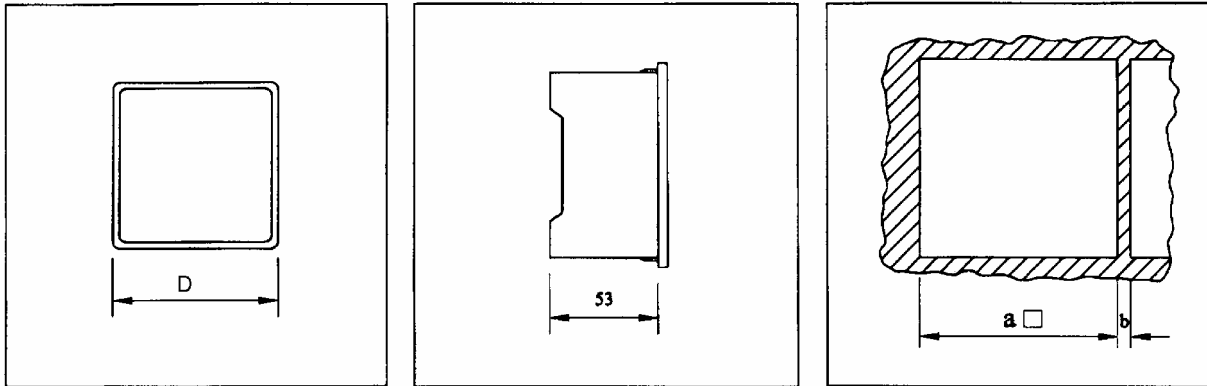
Electromagnetic Compatibility

This unit has been designed to provide protection against EM (electro-magnetic) interference in line with requirements of EU 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:-

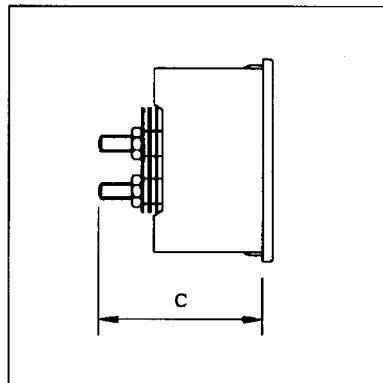
- Avoid routing wiring to this unit alongside cables and products that are, or could be, a source of interference.
- The auxiliary supply to the unit should not be subject to excessive interference. In some cases, a supply line filter may be required.
- To protect the product against incorrect operation or permanent damage, surge transients must be controlled. It is good EMC practice to suppress differential surges to 2kV or less at the source. The unit has been designed to automatically recover from typical transients, however in extreme circumstances it may be necessary to temporarily disconnect the auxiliary supply for a period of greater than 5 seconds to restore correct operation.
- Screened communication and small signal leads are recommended and may be required. These and other connecting leads may require the fitting of RF suppression components, such as ferrite absorbers, line filters etc., if RF fields cause problems.
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.

INSTALLATION INSTRUCTIONS

Analogue Instruments DIN Panel Meters



For Moving Coil
measuring range:
6 A to 60A C=67mm
>60A C=78 mm



For Moving Iron
measuring range:
0 to 30A C=64mm
>60A C=67mm

D	A	B
48 x 48	45 x 45	4
72 x 72	68 x 68	4
96 x 96	92 x 92	4
144 x 144	135 x 135	4

The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, Tyco Electronics has no control over the field conditions, which influence product installation. It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. Tyco Electronics' only obligations are those in Tyco Electronics' standard Conditions of Sale for this product and in no case will Tyco Electronics be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products. Crompton is a trademark.



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