

RS232/485 INTERFACE

INSTRUCTIONS

1 SAFETY

This instrument was manufactured and tested in compliance with class 2 IEC 1010 and VDE 411 standards, in accordance with group B VDE 0110 standards for operating voltages up to 250 VACrms phase to neutral. It is suitable for use on single phase supplies of 230VAC/120VAC. It is supplied set for 230VAC operation unless otherwise specified.

To ensure safe operation the user must comply with the following:

- Ensure that the operating voltage is correct for the supply.
- The unit must be earthed.
- Maintenance and/or repairs must be carried out only by qualified, authorised personnel.
- If there is ever the suspicion that safe use is no longer possible, the instrument must be disconnected and precautions must be taken against accidental use;
- Operation is no longer safe when;
 - 1) there is clearly visible damage
 - 2) the instrument no longer functions
 - 3) after prolonged storage in unsuitable conditions

1.1 OPERATOR SAFETY

Read these instructions carefully before installing and utilising the instrument.

1.2 SYMBOLS

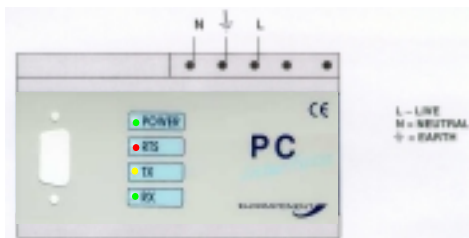


This symbol means "Read the Instructions"

2 POWER SUPPLY

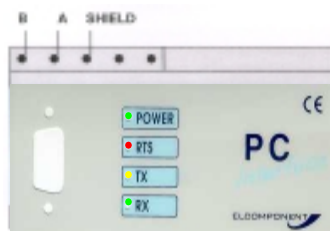
The unit must be connected to a 230VAC* power supply as shown below. The earthed terminal must be connected to ground.

*120VAC if applicable.

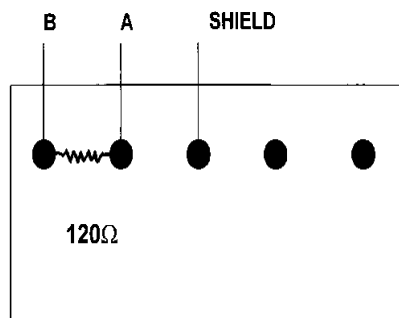


2.1 CONNECTION TO THE NETWORK

The unit is connected to the RS485 network cable as shown below



NOTE: A termination resistor of 120S may be required between terminals A & B. Please refer to your network documentation. If in doubt - fit the resistor.



NOTE: This interface is fitted with line pull up /pull down resistors as standard. No additional network conditioning is therefore required if this interface is used.

2.2 CONNECTION TO THE PC

Connect the RS232 output connector on the front panel to the COM port of the PC specified in the software, using the cable provided.



NOTE: Cable is marked "MR" on each connector.

3 OPERATION

The interface requires no user intervention and operates totally automatically. The front panel i.e.d. functions are as follows:

