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MOSTEC



Operating Manual

Digital Display

M7829A (AR)

A. Warranty

Mostec warrants this product to be free of manufacturing defects for a 2-year period following the original date of purchase. Within this 2-year period, defective products will be repaired free of charge provided that the defect occurred during normal operation. This warranty does not cover damage to the product resulting from ordinary use such as front panel scratches, broken control elements and corrosion, etc. The buyer is responsible for shipping and packing charges for products returned to Mostec under warranty. Mostec warrants this product beyond the 2-year warranty period for an additional 2 years in case of long term damages due to improper manufacturing. Such damages (i.e. poorly soldered joints or other assembly problems) are also covered by the warranty. Transportation damages are not covered by the warranty and has to be referred to the respective postal delivery service.

B. Technical description

The M7829AR digital display is used to check or control any type of current/voltage signal. It converts the input signal to any desired display between -1999 to +1999. The displayed value can then be monitored or controlled by two alarm contacts. Those alarm contacts can be set independently. The alarm value of the contacts is programmed by two multi-turn potentiometers on the front panel. By pressing one of the arrow buttons, the corresponding alarm value is displayed. The contacts are floating and can be factory programmed to open or to close their N/O contacts when reaching the alarm limit. Each alarm status is displayed with a red lamp. The Instrument provides also one signal current or voltage output which can also be set independently to the input signal or the display range.

Example: Input: 0 to 20mA
 Output: 4 to 20mA
 Display: 0 to 10.00 bar

C. Adjusting the alarm limits

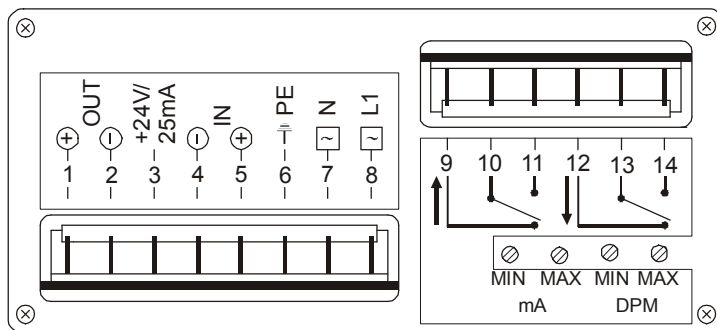
1. Press either the \uparrow or the \downarrow button on the front panel.
The corresponding alarm limit is shown on display.
2. Now adjust the requested alarm limit with the corresponding screw located on the right hand side of the front panel.

D. Display and signal output adjustment

Four adjustment screws are on the back panel. **Do not** change these settings as they have been exactly adjusted at the factory or by the panel builder.

If, however, the instrument needs to be adjusted, proceed as follows:

- 1) set the input signal to the lowest possible value
- 2) adjust the display with the "DVM MIN". screw and the signal output with the "mA MIN" screw.
- 3) set the input signal to maximum value, adjust the display with the "DVM MAX" screw and the signal output with the "mA MAX" screw.



Back panel with the terminals