

## Z113T – TRIPLE ALARM THRESHOLD FOR ANALOGUE SIGNALS with Galvanic Isolation

Triple alarm threshold for control of analogue signals, controlled by microprocessor, with 3 independent set-points.

Widely used as alarm unit in control of temperature, pressure, flow rate, level etc.

The instrument features galvanic separation at three points: input / output / power supply with 1500 Vac insulation.

The analogue input can be programmed via dip switches for all the standard signals used industrially:

- Current 0 - 20 mA and 4 - 20 mA (with both active and passive connection)

- Voltage 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc and 2 - 10 Vdc.

The three alarm thresholds can be adjusted from 1 % to 100 % of the signal to be controlled via multi-turn trimmers with calibration value checked by means of an ordinary tester.

The hysteresis at reset can be adjusted by means of trimmers from 2 % to 10 % of the cut-in value.

The cut-in delay can be adjusted by means of trimmers from 0,3 to 30 seconds.

The relay cut-in can be programmed via dip switches as maximum or minimum threshold and the relays can be programmed energized or de-energized at cut-in.

The instrument is provided with illuminated signals indicating power on and thresholds exceeded.

The three outputs are of the reed-relay type with 1 SPST contact each with capacity 0.1 A 30 Vdc-ac (resistive load).

The "V0" self-extinguishing glass filled nylon case is the width of 1 DIN module and is designed to fit on 35 mm mounting rail (DIN 46277).

### TECHNICAL DATA

Power supply : 19 - 40 Vdc / 19 - 28 Vac

Power consumption : max 2,5 W

Galvanic separation supply // input // output : 1500 Vac

Input impedance :

-100 ohm for current input

- 1 Mohm for voltage input

Outputs: 2 reed-relay with 1 SPST contact 0.1 A 30 Vdc-ac (resistive load)

Operating temp. : 0 / + 50 °C (see also Installation information)

Humidity : 30 / 90% a +40 °C (non-condensing)

Dimensions (b x h x d) : 17,5 x 100 x 112 mm

Weight : approx. 200 g.



## ORDERING CODES

Code	Power supply
<b>Z113T</b>	24 Vdc-ac