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ANALOGUE SIGNALS PROCESSORS

S113D - DOUBLE ALARM THRESHOLD FOR ANALOGUE SIGNALS

Double alarm threshold for control of analogue signals.

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

The analogue input can be programmed via dip switches for all the standard signals used industrially:
- current 0 - 20 mA and 4 - 20 mA
- voltage 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc and 2 - 10 Vdc.



The two 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 relay cut-in can be programmed via dip switches as maximum or minimum threshold.

The hysteresis at reset is fixed and equal to 2 % of the cut-in value. The cut-in delay can be adjusted by means of trimmers from 0 to 45 seconds.

The two outputs are of the relay type with 1 SPDT changeover each with capacity 5 A 250 Vac (resistive load).

Three signaling LED on the front panel indicate power on and threshold exceeded.

The self-extinguishing Noryl case is the width of 4 DIN modules and is designed to fit on a 35 mm mounting rail (DIN 46277).

TECHNICAL DATA

- Power supply :
  S113D-1-ST 115 / 230 Vac +/- 10% 50 / 60 Hz
  S113D-23-ST 24 Vdc-ac +/- 10%
- Power consumption : 1,5 VA
- Current input : selectable via DIP-switches between 0-20 and 4-20 mA
- Voltage input : selectable via DIP-switches between 0-5, 1-5, 0-10 e 2-10 Vdc
- Input impedance :
  - 250 ohm for current input
  - 1 Mohm for voltage input
- Outputs : 2 relays with 1 SPDT changeover 5 A 250 Vca (resistive load)
- Threshold adjustment : from 1 to 100% of range
- Delay adjustment : from 0 to 45 seconds
- Operating temp. : 0 / + 60 °C
- Humidity : 90 % a 40 °C (non-condensing)
- Dimensions (b x h x d) : 70 x 95 x 72 mm

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- Weight : approx. 260 g.

ORDERING CODES

Code	Power supply
S113D-1-ST	115 - 230 Vac
S113D-23-ST	24 Vdc-ac
Z113D	24 Vdc-ac

For more info please refer to the operating manual

Characteristics can be subject to change without notice