

## Z SERIES

### Z113S - Single Trip Amplifier with galvanic isolation

Single alarm threshold for control of analogue signals, controlled by microprocessor. Widely used as alarm unit in control of temperature, pressure, flow rate, level etc. The instrument features galvanic separation at three points: power supply / input with 1500 Vac insulation and input / output with 4000 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 alarm threshold 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 relay can be programmed energized or deenergized at cut-in.

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

The output is of the relay type with 1 SPDT changeover with capacity 1A 30 Vdc or 5 A 250 Vac (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).

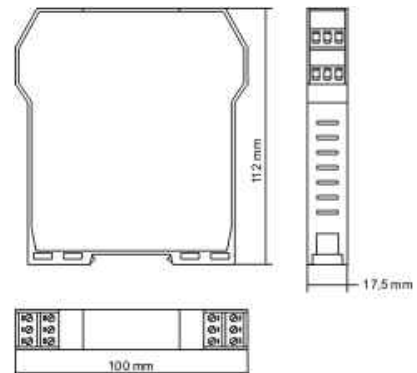
#### TECHNICAL DATA

- Power supply : 19 - 40 Vdc / 19 - 28 Vac
- Power consumption : max 2,5 W
- Galvanic separation supply // input : 1500 Vac
- Galvanic separation supply // output : 4000 Vac
- Galvanic separation input // output : 4000 Vac

#### Input impedance :

- 100 ohm for current input
- 1 Mohm for voltage input
  - Output: 1 relay 1 SPDT changeover 1 A 30 Vdc or 5 A 250 Vac (resistive load)
  - Operating temp. : 0 / + 50 °C (see also Installation information)
  - Humidity : 30 / 90% a +40 °C (non-condensing)

Code	Power supply
Z113S	24 Vdc/ac



Dimensions (b x h x d) : 17,5 x 100 x 112 mm  
 Weight : approx. 200 g.

*For more information please refer to the operating manual Specifications subject to change without notice*