DC Voltage or Current Input with Relay Output

WAVEAnalog DC/Alarm

- 3-way-isolation
- Low trip/high trip
- FAILSAFE/NON FAILSAFE modes
- 1 relay per setpoint 250 VAC @ 3A

**EXAMPLE 1**

- Signal threshold 1 / high trip
- Signal threshold 2 / low trip
- 10% Hysteresis

**FAILSAFE**: An alarm is also triggered in the FAILSAFE mode, if for example, the operating voltage to the module fails.

**Low trip**: Alarm is triggered if the set signal threshold is exceeded.

**High trip**: Alarm is triggered if the set signal threshold is exceeded.

**Signal threshold**: Adjustments of the signal threshold (1…90 %) are made for channel 1 with the potentiometer P1, and separately for channel 2 via potentiometer P2.

**Hysteresis**: Adjustments of the hysteresis (1…90 %) are made for channel 1 with the potentiometer P3, and separately for channel 2 via potentiometer P4.

**WAVEAnalog DC/Alarm**

- Adjustment of threshold (1…90 %) for channel 1 with potentiometer P1,
- Separately for channel 2 via potentiometer P2.
- Adjustment of hysteresis (1…90 %) for channel 1 with potentiometer P3,
- Separately for channel 2 via potentiometer P4.

**DC/Alarm**

- 1 relay per channel
- SPDT
- Relay type
- Contact material
- Switching voltage
- max. switching voltage
- Steady state current ac
- Switching load ac
- Status indication

**Technical data**

- Input
  - Input voltage: 0…10 V
  - Input resistance: > 100 kΩ
  - Input current: 0/4…20 mA
  - Input resistance: < 110 Ω

- Output
  - Relay
    - Relay type: SPDT
    - Contact material: AgNi 90/10
    - Switching voltage: 253 VAC
    - max. switching voltage: 253 VAC
    - Steady state current ac: 3 A
    - Switching load ac: 750 VA
    - Status indication

- Coordination of insulation according to EN 50178, 04/98

- Rated voltage: 300 V
- Rated surge voltage: 4 kV
- Overvoltage category: II
- Contamination class: 2
- Clearance and creepage distance: 3 mm
- Test voltage: 4 kV<sub>eff</sub>

- General Data
  - Supply voltage: 18 VDC...24 VDC...30 VDC
  - typ. 1 W both relay detected
  - Operating temperature: -20°C...+55°C mounted on horizontal DIN rail
  - Storage temperature: -20°C...+85°C
  - EN 50178
  - EN 50082-2, EN 50081-1, EN 50081-2 EN 55011

- Dimensions W/L/H mm (in.):
  - 17.5/69.4/12.5 (0.69/3.64/4.43)
  - Weight: 150 g

- Approvals:
  - CE
  - UL

**NEW**