

- Trigger 2 to 20mA DC
- Checkback signal of the switch setting ,AUTO'
- 1 Change-over contact
- Width 17.5mm
- Installation design



Technical data

1. Functions

AUTO	output according to YR
0	permanently OFF
HAND	permanently ON

2. Indicators

Green LED ON:	indication of supply voltage
Yellow LED ON/OFF:	indication of relay output

3. Mechanical design

Self-extinguishing plastic housing, IP rating IP40
 Mounted on DIN-Rail TS 35 according to EN 50022
 Mounting position: any
 Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20
 Initial torque: max. 1Nm
 Terminal capacity:
 1 x 0.5 to 2.5mm² with/without multicore cable end
 1 x 4mm² without multicore cable end
 2 x 0.5 to 1.5mm² with/without multicore cable end
 2 x 2.5mm² flexible without multicore cable end

4. Input circuit

Supply voltage:	24V AC/DC	terminals A1(+)-A2
Tolerance:	-15% to +10%	
Rated frequency:	48 to 63Hz	
Rated consumption:	0.4VA (0.4W)	
Duration of operation:	100%	
Reset time:	-	
Residual ripple for DC:	10%	
Drop-out voltage:	>30% of supply voltage	

5. Output circuit

1 potential free change-over contact
 Switching capacity (distance < 5mm):
 1250VA (5A / 250V AC)
 Switching capacity (distance > 5mm):
 2000VA (8A / 250V AC)
 Fusing: 8A fast acting
 Mechanical life: 20 x 10⁶ operations
 Electrical life: 2 x 10⁵ operations
 at 1000VA resistive load
 Switching frequency: max. 60/min at 100VA resistive load
 max. 6/min at 1000VA resistive load
 (according to IEC 947-5-1)
 Insulation voltage: 250V AC (according to IEC 664-1)
 Surge voltage: 4kV, overvoltage category III
 (according to IEC 664-1)

6. Measuring circuit

Input:	20mA DC	terminals YR(+)-A2
Input resistance:		500Ω
Switching threshold:		2 to 20mA DC
Hysteresis:		fixed, approx. 10% (of threshold)

7. Checkback

Setting ,AUTO':	terminals B1-B2
Maximal switching capacity:	56VA (2A / 28V AC/DC)
Minimal switching capacity:	5mVA (1mA / 5V AC/DC)
Contact resistance:	max. 20mΩ
Electrical life:	3 x 10 ⁴ operations at maximum load

8. Accuracy

Base accuracy:	±5% (of maximum scale value)
Adjustment accuracy:	±10% (of maximum scale value)
Repetition accuracy:	-
Voltage influence:	-
Temperature influence:	≤0.01% / °C

9. Ambient conditions

Ambient temperature:	-25 to +55°C (according to IEC 68-1)
Storage temperature:	-25 to +70°C
Transport temperature:	-25 to +70°C
Relative humidity:	15% to 85% (according to IEC 721-3-3 class 3K3)
Pollution degree:	2, if built-in 3 (according to IEC 664-1)

Functions

Automatic (AUTO)

The contact of checkback B1-B2 is closed.

The output relay R switches into on-position (yellow LED illuminated) when the signal voltage applied at the terminals YR-A2 exceeds the value adjusted at the regulator. The output relay switches into off-position (yellow LED not illuminated) when the signal voltage falls below the set value by more than the fixed hysteresis.

Permanently OFF (0)

The contact of checkback B1-B2 is opened.

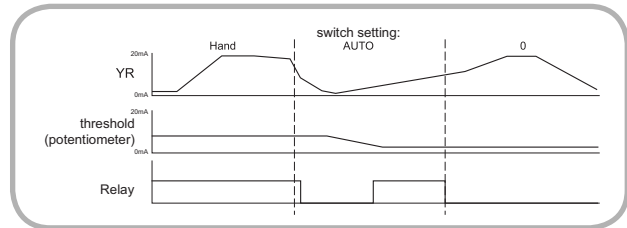
The output relay R remains in off-position (yellow LED not illuminated) independent from the connected signal voltage.

Permanently ON (HAND)

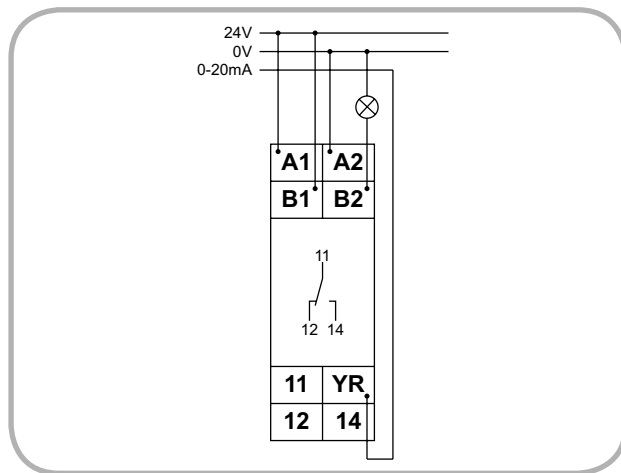
The contact of checkback B1-B2 is opened.

When the supply voltage U is applied at terminal A1 the output relay R switches into on-position (yellow LED illuminated).

Changes of the signal voltage do not influence the state of the output relay.



Connections



Dimensions

