

- Installation design
- Width 17.5mm
- Trigger 0 to 10VDC
- Checkback signal of the switch setting ,AUTO‘
- 1 change over contact



## ► Technical data

### ► 1. Functions

AUTO	output according to input 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 2.5mm<sup>2</sup> with/without multicore cable end  
 1 x 4mm<sup>2</sup> without multicore cable end  
 2 x 0.5 to 1.5mm<sup>2</sup> with/without multicore cable end  
 2 x 2.5mm<sup>2</sup> flexible without multicore cable end

### ► 4. Input circuit

Supply voltage:	24V AC/DC	terminals A1(+)-A2
Tolerance:	24V AC/DC	-15% to +10%
Rated frequency:	48 to 63Hz	
Rated consumption:	24V AC/DC	0.58VA (0.33W)
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 10<sup>6</sup> operations  
 Electrical Life: 2 x 10<sup>5</sup> 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:	10V DC	terminals YR(+)-A2
Input resistance:	10kΩ	
Switching threshold:	1 to 10V DC	
Hysteresis:	fixed, approx. 10%	

### ► 7. Checkback

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

### ► 8. Accuracy

Base accuracy:	±1% (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)

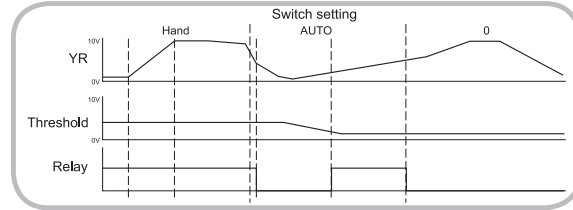
The contact of checkback B1-B2 is closed.  
The output relay R switches into on-position (yellow LED illuminated) when the signal voltage applied at the terminals YR-A2 exceeds the value adjusted at the regulator. The output relay switches into off-position (yellow LED not illuminated) when the signal voltage falls below the set value by more than the fixed hysteresis.

### Permanently OFF (0)

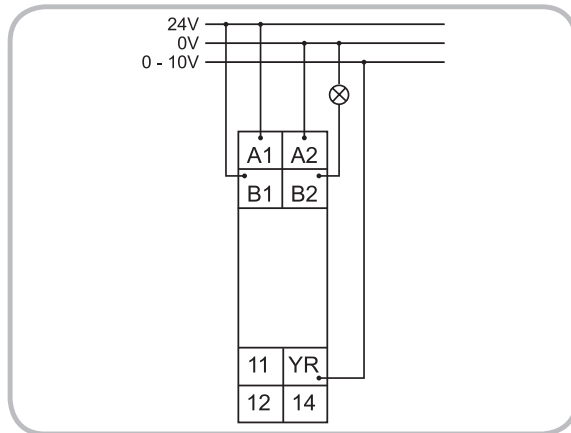
The contact of checkback B1-B2 is opened.  
The output relay R remains in off-position (yellow LED not illuminated) independent from the connected signal voltage.

### 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

