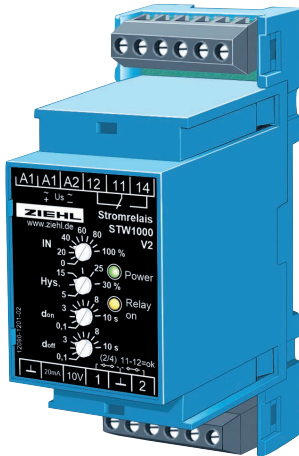


# DC Limit Relay for Standard Signals

DC 0/4 - 20 mA, 0/2 - 10 V

## STW1000V2



**Part number:**  
**S225677** AC/DC 24- 240 V

ZIEHL STW1000V2 current relays monitor standard signals from instrument transformers for compliance with a limit value. Units can be wired in series (current) or in parallel (voltage) to monitor multiple limits. Measurement inputs for 0/4-20 mA and 0-10 V, adjustable hysteresis and switching delays plus the selection facility to choose between the normally closed current and normally opened current principle for the relay make it a universal limit switch.

- Measurement inputs 0-20 mA / 0-10 V, switchable to 4-20 mA / 2-10 V
- Limit adjustable 0-100 %
- Hysteresis adjustable 5-30 %
- On-delay adjustable 0.1... 10 s
- Response-delay adjustable 0.1... 10 s
- Output relay 1 change-over contact
- Operating or close-circuit current with bridge selectable
- LEDs for service condition display
- Universal power supply AC/DC 24-240 V
- Panel mounted distributor housing 35 mm wide (2 TE),
- Installation height 55 mm

### Application:

Monitoring nearly any measured quantity in connection with instrument transformers, e.g., in plants and controls.



- 1) 0...20 mA, 0...10 V
- 2) 4...20 mA, 2...10 V
- 3) Ruhestrom / closed current
- 4) Arbeitsstrom / operating current

## Technical Data

### Rated supply voltage $U_s$

AC/DC 24 - 240 V, 0/50/60 Hz, < 2W, < 3VA  
(DC 20,4 - 297 V, AC 20 - 264 V)

### Output relay Type of contact Test conditions

1 change-over contact  
**Typ 3** see "general technical information"  
see "general technical informations"

### Function Measurement inputs

Maximum  
DC 0/4 ... 20 mA, 20  $\Omega$   
DC 0...10 V, 63 k $\Omega$   
adjustable 0...100%  
adjustable 5...30% of set value  
< 10% of span  
< 0,2%  
 $\leq 0,05$  %/K  
adjustable 0,1...10 sec.  
adjustable 0,1...10 sec.  
-20°C...+55°C

### Switch point/limit Hysteresis Adjustment error Repeatability Temperature influence On-delay don Response-delay doff Rated ambient temperature range Dimensions H x W x D

### Attachment Protection housing / terminals Weight

Design V2: 90 x 35 x 58 [mm],  
mounting height 55 mm  
on 35 mm DIN rail EN 60 715 or screws M4  
OP 30 / IP 20  
app. 130 g