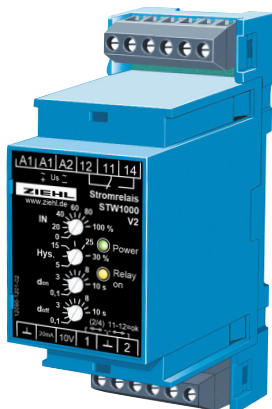


# DC-Limit Value Switch Type STW1000V2

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

### STW1000V2



#### Part number:

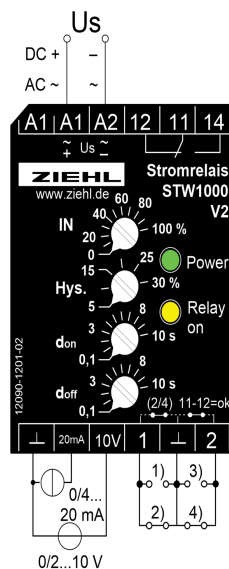
**S225677** AC/DC 24-240 V

ZIEHL current-relays STW1000V2 monitor standard-signals from measuring transducers if a limit is exceeded. For monitoring of more than 1 signal, multiple relays can be connected in series (current) or in parallel (voltage). Measuring inputs for 0/4-20 mA and 0-10 V, adjustable hysteresis and switching delay and the choice between operating- and closed-current mode of the relay make it a very universal limit switch.

- Measuring inputs 0-20 mA / 0-10 V, switchable to 4-20 mA / 2-10 V
- Limit adjustable 0-100 %
- Hysteresis adjustable 5-30 %
- Start-up delay adjustable 0,1 ... 10 s
- Switching delay adjustable 0,1 ... 10 s
- Output-relay 1 changeover-contact (co)
- Operating- or closed-circuit-mode for relay selectable with bridge
- LEDs for display state of operation
- Universal supply-voltage AC/DC 24-240 V
- Housing for mounting in switchgear cabinets or fuse-boxes, 35 mm wide

#### Applications:

Monitoring of different values in combination with measuring transducers, e.g. in machines 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

#### Supply voltage $U_s$

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

#### Relay output Type of contact Test conditions

1 change-over contact (co)  
**type 3** see "general technical informations"  
see "general technical informations"

#### Function Measuring signals

Maximum limit switch  
DC 0/4 ... 20 mA, 20  $\Omega$   
DC 0...10 V, 63 k $\Omega$

#### Switching point Hysteresis Error of setting Repeat error Temperature-dependence Start-up-delay $d_{Enable}$ Switching delay $d_{AL}$

adjustable 0...100%  
adjustable 5...30% of set limit  
< 10% of fullscale  
< 0,2%  
 $\leq 0,05$  %/K  
adjustable 0,1...10 sec.  
adjustable 0,1...10 sec.

#### Rated ambient temp.range Dimensions (H x W x D) Attachment

-20°C...+55°C  
design V2: 90x35x58 [mm], mounting height 55 mm  
on 35 mm DIN-rail according to EN 60 715 or  
with screws M4

#### Protection housing/terminals Weight

IP 30 / IP 20  
approx. 130 g