

DC-Limit Value Switch Type STW1000V2

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

STW1000V2



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.

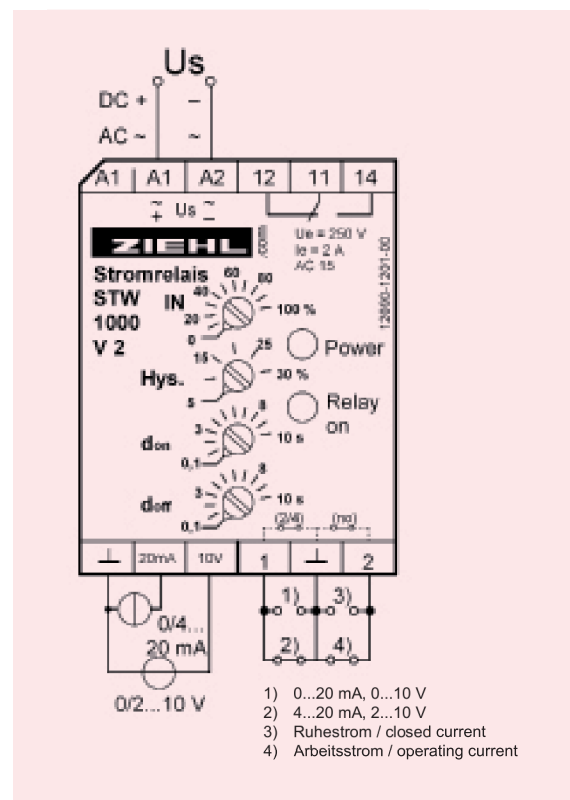
- Measuring inputs 0-20 mA / 0-10 V, switchable to 4-20 mA / 2-10 V
- Limit adjustable 0-100 %
- Hysteresis adjustable 5-30 %
- Start-up delay adjustable 0,1 ... 10 s
- Switching delay adjustable 0,1 ... 10 s
- Output-relay 1 changeover-contact (co)
- Operating- or closed-circuit-mode for relay selectable 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.

Order-number
AC/DC 24-240 V:

S225677



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"
siehe "general technical informations"

Function
Measuring signals

Maximum limit switch
DC 0/4 ... 20 mA, 20 Ω
DC 0...10 V, 63 k Ω

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 temperature 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