

Product Information

Set Point Adjuster SG9648



- Output 0/4..20 mA, 0/2..10 V DC
- Set point adjustment with front buttons or external signals
- Indicating range and decimal point programmable
- Set point output isolated

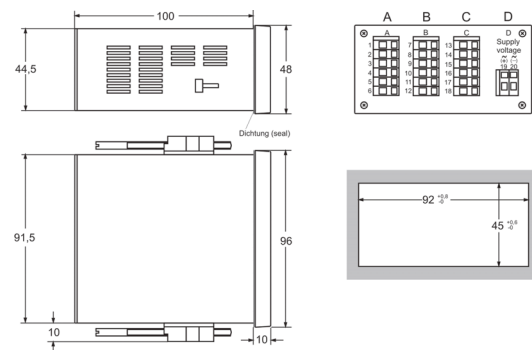
Characteristics

The Set point adjuster SG9648 has been designed for generating adjustable set point value signals 0/4..20mA and 0/2..10V DC. Any display value can be assigned to the respective output signal. The operator can work with real values. The adjustment speed is programmable.

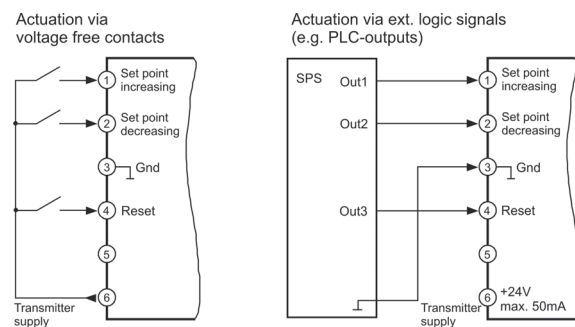
Technical data

- Power supply**
Supply voltage : 230 V AC $\pm 10\%$; 115 V AC $\pm 10\%$;
24 V AC $\pm 10\%$ or 24 V DC $\pm 15\%$
- Power consumption : 5 VA
- Operating temperature : -20..+55 °C
- CE-conformity : EN 61326-1:2013; EN 60664-1:2007
- Input**
Control : 0/24 V DC Ri 6.3 k Ω < 4 V low,
>8.5 V high, hysteresis >2.5 V,
max. 35 VDC
- Transmitter supply : 24 V DC (pnp), Ri approx. 150 Ω ,
max.50 mA
- Display**
: LED red, 14.2 mm
Indicating range : $\pm 9999(0)$ Digit
Additional display : LED 2-digit red, 7 mm
(Parameter - and status indicator)
- Output**
Relay SPDT : < 250 V AC < 250 VA < 2 A,
< 300 V DC < 50 W < 2 A
- Transistor : max. 35V AC/DC, max. 100mA,
short-circuit-proof
- Analog output : 0/4..20 mA burden $\leq 500 \Omega$; 0/2..10 V
burden > 500 Ω , isolated
output changes burden dependent
- Accuracy : 0.1 %; TK 0.01 %/K
- Case** : panel case DIN 96x48 mm,
material PA6-GF; UL94V-0
- Dimensions : front 96x48 mm, mounting depth 100 mm,
Weight : max. 390 g
- Electrical connection: clamp terminals, 0.08..1.5 mm²
AWG28..AWG14
- Protection class : front IP65, terminals IP20, acc. to BGV A3

Dimensions



Connection diagram



Ordering code

SG9648 - 1. - 2. - 3. - 4. - 5. - 6. - 7.

1. Terminal strip A	
0	not installed, set point adjustment via front buttons, adjustment speed dynamically, (Power-on)-reset to the last stored value or programmed reset value
1	as 0, but additional 2 control inputs for ext. adjustment, ext. reset to a programmed reset value adjustment speed dynamically
2. Terminals strip B	
00	not installed
2R	2 relay outputs
2T	2 transistor outputs
3. Terminal strip C (standard)	
AO	analog output 0/4..20 mA, 0/2..10 V
4. Terminal strip D supply voltage	
0	230 V AC $\pm 10\%$ 50-60Hz
1	115 V AC $\pm 10\%$ 50-60Hz
4	24 V AC $\pm 10\%$ 50-60Hz
5	24 V DC $\pm 15\%$
5. Options	
00	without option
6. Unit appears on the front panel	
7. Additional text above the display (3x90 mm HxW)	