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**

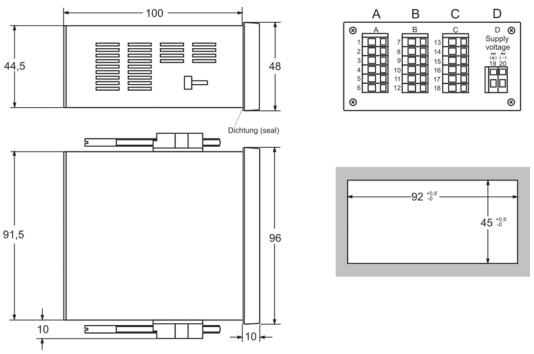
Characteristics

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.

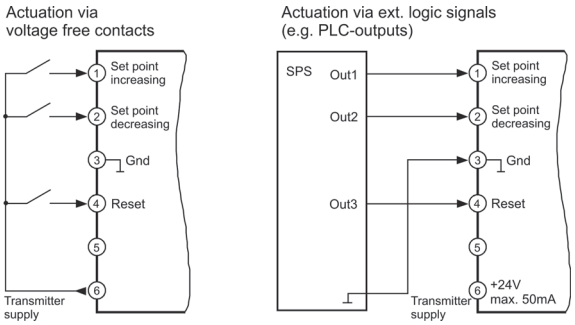
Technical data

Power supply
Supply voltage : 230 V AC ±10 %; 115 V AC ±10 %; 24 V AC ±10 % or 24 V DC ±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 kΩ < 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 : ± 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 ≤ 500 Ω; 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	±10 % 50-60Hz
	1	115 V AC	±10 % 50-60Hz
	4	24 V AC	±10 % 50-60Hz
	5	24 V DC	±15 %
5.	**Options**		
	00	without option	
6.	**Unit** appears on the front panel		
7.	**Additional text** above the display (3x90 mm HxW)		