

# 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

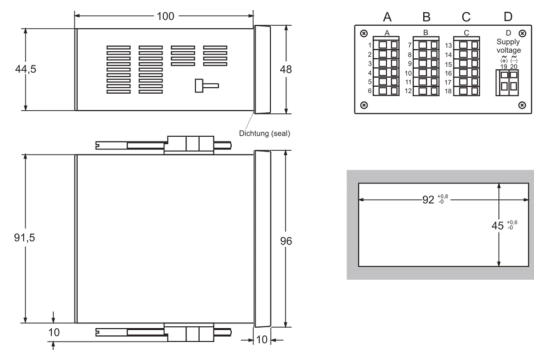
## Characteristics

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.

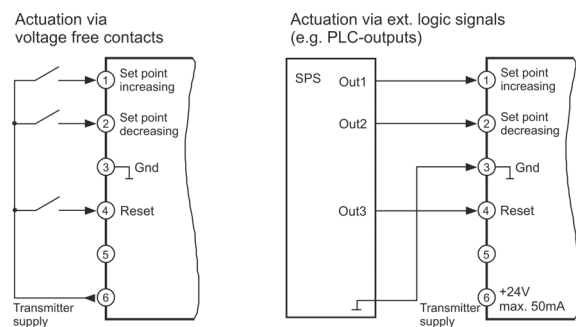
## Technical data

<b>Power supply</b>	
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
<b>Input</b>	
Control	: 0/24 V DC Ri 6.3 k $\Omega$ < 4 V low, >8.5 V high, hysteresis >2.5 V, max. 35 VDC
Transmitter supply	: 24 V DC (pnp), Ri approx. 150 $\Omega$ , max.50 mA
<b>Display</b>	: LED red, 14.2 mm
Indicating range	: $\pm 9999(0)$ Digit
Additional display	: LED 2-digit red, 7 mm (Parameter - and status indicator)
<b>Output</b>	
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 $\Omega$ , isolated output changes burden dependent
- Accuracy	: 0.1 %; TK 0.01 %/K
<b>Case</b>	: 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 mm <sup>2</sup> 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.

<b>1. Terminal strip A</b>	
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
<b>2. Terminals strip B</b>	
00	not installed
2R	2 relay outputs
2T	2 transistor outputs
<b>3. Terminal strip C (standard)</b>	
AO	analog output 0/4..20 mA, 0/2..10 V
<b>4. Terminal strip D supply voltage</b>	
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 $\pm 15\%$
<b>5. Options</b>	
00	without option
<b>6. Unit appears on the front panel</b>	
<b>7. Additional text above the display (3x90 mm HxW)</b>	