GHM GROUP - Martens | GHM Messtechnik GmbH
Kiebitzhörn 18 | 22885 Barsbüttel | GERMANY
Phone +49 40 67073-0 | Fax +49 40 67073-288
www.ghm-group.de | info@ghm-group.de

Standard Signal Panelmeter S9648

- **Measuring input for standard signals 0/4..20 mA or 0..10 V and Potentiometer**
- **Integrated transmitter supply**
- **LED-Display 14.2 mm red, indicating range ±9999(0) Digit**
- **Max. 4 alarm outputs, relay SPDT or transistor**

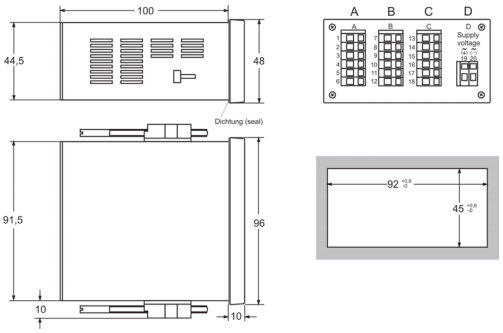
Characteristics

The Standard Signal Panelmeter S9648 has been designed for measuring industry standard signals 0/4..20 mA or 0..10 V DC. The device offers an integrated transmitter supply for direct connection of 2- and 3-wire transmitters for e.g. pressure or temperature. Indicating range and decimal point are free programmable in the range ± 9999(0) digit.

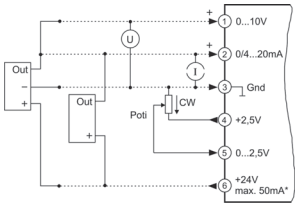
Technical data

Power supply		
Supply voltage	:	230 V AC ±10 %; 115 V AC ±10 %, 24 V AC ±10 % or 24 V DC ±15 %
Power consumption	:	max. 3.5 VA, with analog output 5 VA
Operating temp.	:	-10..+55 °C
CE-conformity	:	EN 61326-1:2013; EN 60664-1:2007
Input		
Current	:	0/4..20 mA Ri = 10 Ω
Voltage	:	0..10 V Ri = >100 kΩ
Potentiometer	:	0..1 kΩ / 100 kΩ
Accuracy	:	< 0.1 % ± 2 digit
Transmitter supply	:	U_0 approx. 24 V, Ri ca. 150 Ω, max. 50 mA (max. 25 mA with 4 relays)
Display	:	LED red, 14.2 mm
Indicating range	:	±9999(0) digit with leading zero suppression
Parameter display	:	LED 2-digit red, 7 mm (parameter and output indicator)
Output		
Relay	:	SPDT < 250 V AC < 250 VA < 2 A, < 300 V DC < 50 W < 2 A
Transistor	:	max. 35 V AC / DC max. 100 mA, with short circuit protection
Analog	:	0/4..20 mA burden ≤ 500 Ω; 0/2..10 V burden > 500 Ω, isolated automatically output changing
- 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,
Weight	:	max. 390 g
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

S9648 - 1. - 2. - 3. - 4. - 5. - 6. - 7.

1.	**Terminal strip A**		
	1	input standard signals, 0/4..20 mA, 0..10 V DC and potentiometer, integrated transmitter supply 24 V max. 50 mA*	
2.	**Terminal strip B**		
	00	not installed	
	2R	2 relay outputs	
	2T	2 electronic outputs	
	S1**	2. input standard signals, integrated transmitter supply 24 V max. 50 mA*	
3.	**Terminal strip C**		
	00	not installed	
	2R	2 relay outputs	
	2T	2 electronic outputs	
	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	
	01	min-and max-peak hold	
	02	difference-, average-, larger-, smaller value	
	08	analog output separate programmable	
6.	**Unit** (appears in the unit field)		
7.	**Additional text** placed above the display (3x90 mm HxW)		

Attention!
* Terminal strip A+B together max. 50 mA
** no isolation to terminal strip A, only in connection with option 02

PRC Technologies Corp., Ltd. ลาดพร้าว 101 กรุงเทพ 10240
โทรศัพท์ : 02 530 1714, 02 932 1711 มือถือ : 086 360 8600
อีเมล : contact@prctech.net LINE ID1 : prctec-info, LINE ID2 : @prctec