Universal digital display DA9602R0



- Universal display in 96 x 48 mm format
- Extremely low installation depth of 32 mm
- Universal input for process signals, thermocouples, Pt100
- 16 mm high red LED display
- 2 alarm outputs
- High protection class IP65 from the front
- Programming via keypad or software (USB port)

https://www.wachendorff-prozesstechnik.de/en/DA9602R0

Description

This small universal display is an all-rounder. With a universal input for almost all commercially available temperature sensors and process signals, a 24 VDC sensor supply up to 50 mA, the integrated totalizing function and 2 relay outputs, this display can be used for almost all applications. In addition to the very low installation depth, the IP65 front, the removable terminal blocks and the brilliant display with 16 mm high digits, this display impresses with its excellent price/performance ratio.

Product details

Display:	LED display, 5 digits, red with 16 mm high digits Display range measured value: -1,999 to 30,000 Display range total: 0 to 9,999,999,999 (alternating display)
Entrance areas	Input signal setting via keypad. **Thermocouple:** type J, K,T,N,R,S,B, E; reference junction: internal **Temperature sensor:** Pt100 in 3-wire (alpha = 0.00385) **Linear inputs:** 0 V to 5/10 V, 0/4 mA to 20 mA, 0 mV to 50 mV
Indicators:	Ten red indicators for alarm statuses, serial communication, totalizing function, minimum and maximum value. **°C,°F:** ON, depending on selection for temperature display **TX, RX, USB:** ON, if communication via interface **A1,A2:** ON if an alarm is pending **TOT:** ON if total is displayed **HIGH:** ON if the 6th to 10th digit of the total is displayed **LOW:** ON when 1st to 5th digit of the total is displayed
Keyboard:	4 buttons for programming and setting the setpoints.
Accuracy:	**Thermocouples type J,K,T,E:** 0.25 % of span ±1 °C **Thermocouples type N,R,S,B:** 0.25 % of span ±3 °C **Pt100:** 0.2 % of span **Linear analog input:** 0.2 % of span
Measuring ranges Sensor types	**Thermoel.type J:** -110 ºC to 950 ºC (-166 ºF to 1742 ºF) **Thermoel.type K:** -150 ºC to 1370 ºC (-238 ºF to 2498 ºF) **Thermoel.type T:** -160 ºC to 400 ºC (-256 ºF to 752 ºF) **Thermoel.type N:** -270 ºC to 1300 ºC (-454 ºF to 2372 ºF) **Thermoel.type R:** -50 ºC to 1760 ºC (-58 ºF to 3200 ºF) **Thermoel.type S:** -50 ºC to 1760 ºC (-58 ºF to 3200 ºF) **Thermoel.type B:** 400 ºC to 1800 ºC (752 ºF to 3272 ºF) **Thermoel.type E:** -90 ºC to 730 ºC (-130 ºF to 1346 ºF) **Pt100:** -200 ºC to 850 ºC (-328 ºF to 1562 ºF)
Resolution:	Internal resolution with 65,535 steps (16 bit), Display resolution 32,000 steps.
Measuring cycle:	55 Hz with programmable digital filter
Input impedance:	Thermocouple, Pt100, 0 to 50 mV: >10 MOhm; 0 to 5/10 V: >500 kOhm; 0/4 to 20 mA: 100 Ohm
Protection class:	Water jet-proof and dust-tight from the front in accordance with IP65 (with seal), rear protection class IP20.
Housing:	Plastic housing made of polycarbonate (PC) L94-V2. Back made of ABS + PCUl94 V-0.
Dimensions:	W 96 mm x H 48 mm x D 35 mm. Panel cut-out according to DIN: 93.0 x 45.5 mm. Fastening via lockable plastic clamping brackets.
Fastening:	With lockable plastic clamping brackets.
Ambient conditions:	Operating temperature: 0 °C to +50 ° C; relative humidity 80 %rh @ 30 °C, for temperatures above 30 ºC, reduction of 3 %RH per ºC.
Serial interface:	Mini-USB (virtual COM port).
Sensor supply:	24 VDC +/- 15 % @ 50 mA
Relay output:	2 NO contacts with separate earth, 1.5 A at 240 VAC/30 VDC.

Power supply:	100 VAC to 240 VAC ±10 %, 50/60 Hz, 6 VA
Connection:	Via plug-in screw terminals.
Scope of delivery:	Device, fixing material, seal, operating instructions.
Customs tariff number:	9030 33 70
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

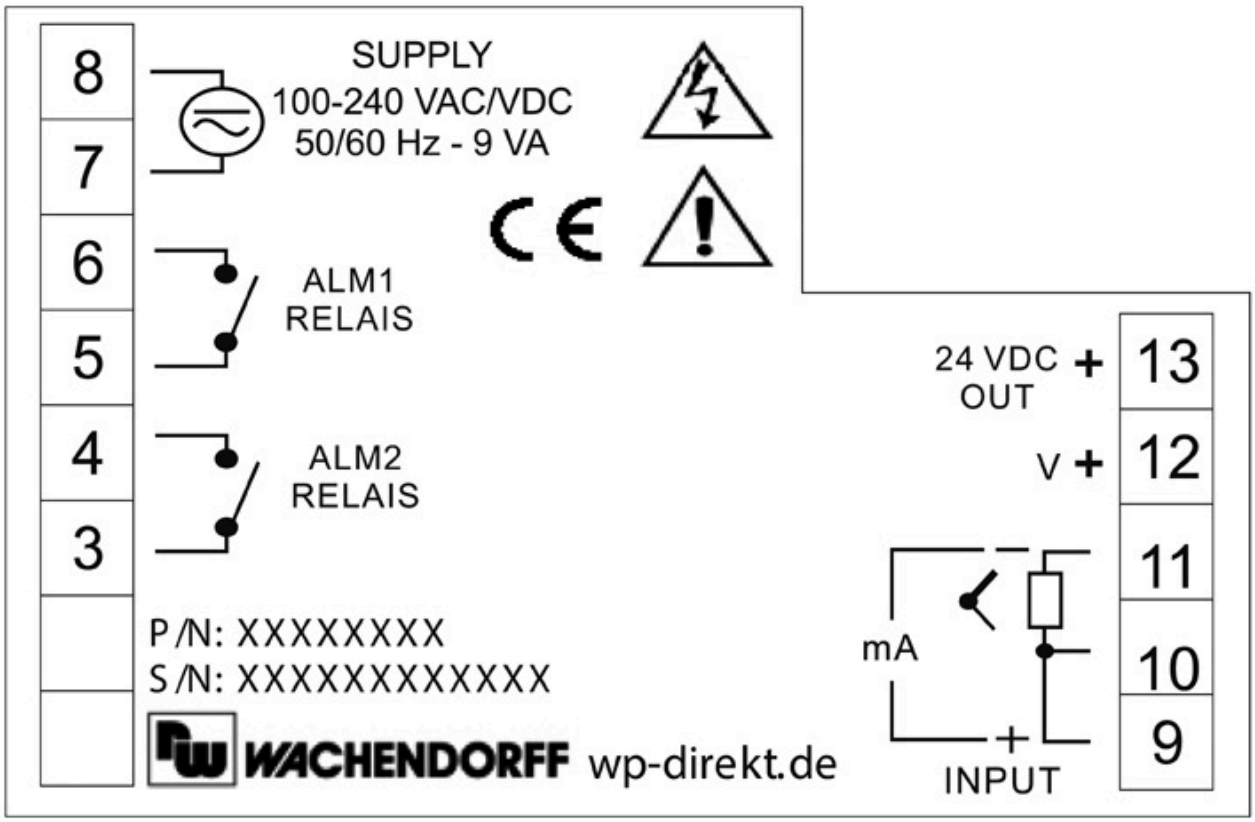
Products Order no.	
DA9602R0	Universal digital display, 2 relays, 240 VAC

Accessories Order no.	
KABUSB11	USB programming cable, 1.5 m

Drawings

Connections

Anschlüsse:



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