DS 52 - LED process display

In wall housing for 0 (4)...20 mA standard signals



The DS 52 has 2 potential-free alarm contacts (changeover contacts) which can be charged with a maximum of 230 VAC, 3 A. The alarm thresholds are freely adjustable with the keys.

The display is supplied with 230 VAC and has an internal mains unit which provides a voltage of 24 VDC/100 mA for the sensor.

Free screwing clamps are available for forwarding the (0) 4...20 mA signal to superordinate controls.



Application example:
Pressure monitoring with optional alarm unit (buzzer + continuous light)



Application example:
Temperature monitoring with alarm

Special features:

- Integrated in a well-designed wall housing
- Suitable for all common sensors with 0 (4)...20 mA signal
- Easy operation
- 2 relay outputs (230 VAC, 3 A)

DESCRIPTION	ORDER NO.:
DS 52 LED process display in the wall housing	0500 0009
Options:	
Power supply 24 VDC instead of 230 VAC	Z500 0001
Power supply 110 VAC instead of 230 VAC	Z500 0002
Alarm unit mounted to the wall housing	Z500 0003
Alarm unit for external mounting	Z500 0004
Complete sets:	
DS 52 - all-in-one set for pressure monitoring/alerting, consisting of DS 52 LED display and pressure sensor 0...16 bar	on request
DS 52 - all-in-one set for temperature monitoring/alerting, consisting of: DS 52 LED display and screw-in temperature sensor -50...+500 °C	on request

TECHNICAL DATA DS 52	
Dimensions:	118 x 133 x 92 mm (WxHxD)
Display:	LED, 5-digit, height 13 mm, 2 LEDs for alarm
Keypad:	4 keys: Enter, Back, Up, Down
Sensor input:	For sensors with 0 (4)…20 mA signal. Can be connected in 2-/3-/4-wire technology
Accuracy:	Max. +/- 20 µA, typically +/- 10 µA
Burden:	100 Ω
Sensor supply:	24 VDC, max. 100 mA
Power supply: (option):	230 VAC, 50/60 Hz (24 VDC or 110 VAC)
Outputs:	2 x relay output, changeover contact, 250 VAC, max. 3 A
Alarm thresholds:	Freely adjustable via keypad
Hysteresis:	Freely adjustable via keypad
Operating temperature:	-10…+60 °C (Storage temp.: -20…+80 °C)
Control menu:	Can be locked via code for unauthorised access