



## 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.

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



### 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)

### Application example:

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

### Application example:

Temperature monitoring with alarm

### DESCRIPTION

DS 52 LED process display in the wall housing

### ORDER NO.:

0500 0009

### Options:

- Power supply 24 VDC instead of 230 VAC
- Power supply 110 VAC instead of 230 VAC
- Alarm unit mounted to the wall housing
- Alarm unit for external mounting

- Z500 0001
- Z500 0002
- Z500 0003
- Z500 0004

### Complete sets:

- DS 52 - all-in-one set for pressure monitoring/alerting, consisting of DS 52 LED display and pressure sensor 0...232 psi on request
- DS 52 - all-in-one set for temperature monitoring/alerting, consisting of: DS 52 LED display and screw-in temperature sensor -58...932 °F on request

### TECHNICAL DATA DS 52

<b>Dimensions:</b>	4.6 x 5.2 x 3.6 mm (WxHxD)
<b>Display:</b>	LED, 5-digit, height 0.51, 2 LEDs for alarm
<b>Keypad:</b>	4 keys: Enter, Back, Up, Down
<b>Sensor input:</b>	For sensors with 0 (4)...20 mA signal. Can be connected in 2-/3-/4-wire technology
<b>Accuracy:</b>	Max. +/- 20 µA, typically +/- 10 µA
<b>Burden:</b>	100 Ω
<b>Sensor supply:</b>	24 VDC, max. 100 mA
<b>Power supply: (option):</b>	230 VAC, 50/60 Hz (24 VDC or 110 VAC)
<b>Outputs:</b>	2 x relay output, changeover contact, 250 VAC, max. 3 A
<b>Alarm thresholds:</b>	Freely adjustable via keypad
<b>Hysteresis:</b>	Freely adjustable via keypad
<b>Operating temperature:</b>	14...+140 °F (Storage temp.: -4...176 °F)
<b>Control menu:</b>	Can be locked via code for unauthorised access