



## 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  
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  
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