

Multifunction indicator : Process / Temperature / Resistance

2 alarm outputs

LED display, 4 digits, display height 14 or 20 mm

Format DIN 48 x 96 mm

PA408



PA408

Features

- **Device configurable in indicator**
 - **process input** for voltage ± 10 V or current ± 20 mA for voltage ± 200 VDC
 - **temperature input** for PT100-3 wires, PT1000-2 wires for thermocouple J, K, T and N
 - **resistance input** from 0,1 Ω to 50,99 k Ω
 - **potentiometer input** from 100 Ω to 100 k Ω
- **Display 4 digits, LED 14 mm or 20 mm**
 - 9999 to 9999, programmable decimal point, height 14 mm
 - 1999 to 9999, programmable decimal point, height 20 mm
- **Functions MINI, MAXI**
- **2 alarms relay outputs**
- **Sensor excitation 24 VDC**
- **Universal power supply 12-265 VDC and 20-265 VAC**

Technical characteristics

Display

Refresh Time 50 ms
Capacity Overflow indicated by "oUE"
Delivered with a set of 100 adhesive "units" labels

Signal input

Asymmetric differential configuration

Process input

Signal	Resolution	Impedance
± 10 V	1 mV	1 M Ω
± 200 VDC	20 mV	1 M Ω
± 20 mA	2 μ A	20 Ω

Excitation 24 V \pm 3 V / 30 mA

Temperature input

Cold solder compensation for TC	-10C at +60°C
Excitation current Pt100	1 mA
Excitation current Pt1000	100 μ A
Max. resistance maxi of the cables	40 Ω
Scale	°C or °F
Resolution	0,1° or 1°
Offset	-9,9° to 9,9° or -99° to 99°

Entrée	Plage de température
TC. J	-150.0°C à +1000.0°C
	-150°C à +1100°C
TC. K	-150.0°C à +1000.0°C
	-150°C à +1200°C
TC. T	-150.0°C à +400.0°C
	-150°C à +400°C
TC. N	-150.0°C à +1000.0°C
	-150°C à +1300°C
PT100 3 fils	-150.0°C à +800.0°C
	-150°C à +800°C
PT1000 2 fils	-150.0°C à +800.0°C
	-150°C à +800°C

Resistance input

Input	Resolution	Current max.
999,9 Ω	0,1 Ω	2,3 mA
9999 Ω	1 Ω	230 μ A
50,00 k Ω	10 Ω	23 μ A

Potentiometer input

Measuring current max.	<0,4 mA
Measuring range	100 Ω à 100 k Ω

Precision

Max. error	$\pm(0,1\% + 1 \text{ digit})$
Warm-up time	5 min

Input signal's A/D conversion

Technical	$\Sigma\Delta$
Resolution	16 bits
Rate	20/s

MINI, MAXI functions

The MIN and MAX functions permanently record the respective minimum and maximum values of the measurement.

Relay outputs with make-break contact

Operating mode programmable:

- action delayed by timeout
- asymmetrical hysteresis

Cut-off capability 260 VAC / 1A / 150 VA

Universal power supply

12 to 265 VDC and 20 to 265 VAC	
Power consumption	3 W
Weight	160 g
Operating temperature	-10 °C ... +60°C
Front protection	IP65
Dimensions	48 x 96 x 90 mm
Cut-out	45 x 93 mm
Mounting housing	fixing by clamps

Connections

Unpluggable connectors with hold system for cables having cross sections 1.5 mm² max.

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Standard DIN EN 61010-1	Protection class II Overvoltage category II Pollution degree 2	Interference immunity Compliance	DIN EN 61000-6-2 CE
Emitted interference	DIN EN 61000-6-3		

Ordering References

PA408. AX01

Power Supply
8 12 à 265 VDC et 20 à 265 VAC

Outputs / Display height
00 Without / Display 14 mm
01 2 relay outputs / Display 14 mm
08 Without / Display 20 mm
09 2 relay outputs / Display 20 mm

Accessorie

ZPA4.001 Din rail mounting accessory