

Indicator for Standard Signals, Temperature / Setpoint generator

2 limit presets, 1 relay output, 1 analog output 4-20 mA, 1 setpoint generator 4-20 mA

LED display « **WHITE** », 4 digits, 14 mm high

DIN housing 48 x 96 mm

PA406



PA406

Highlights

- Display configurable in indicator
 - for process signals in voltage ± 10 V or current ± 20 mA in voltage ± 200 VDC
 - for temperature sensors PT100-3 wires thermocouple J, K, T and N
- Display 4 digits, LED **WHITE** 14 mm from -9999 to 9999, decimal point programmable
- Functions MINI, MAXI
- 2 limit presets - 1 relay output
- Analog output 4-20 mA
- Sensor excitation 24VDC ± 3 V - 30mA
- Universal supply : 20 at 265 VDC / VAC
- Only one part number – Everything is integrated

Technical data

Display

Refresh time 50 ms
Capacity Overflow indicated by "oUER"
Delivered with a set of 50 adhesive "units" labels

Input Signal

Asymmetric differential configuration

Process Input

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

Excitation 24 VDC ± 3 V / 30 mA

Temperature Input

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

Entrée	Plage de température
TC. J	-150°C à +1100°C
TC. K	-150°C à +1200°C
TC. T	-150°C à +400°C
TC. N	-150°C à +1300°C
PT100	-200°C à +800°C

Precision

Max. error $\pm(0,1\% + 3 \text{ digits})$
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.

Setpoint generator 4-20 mA

To generate, on the analog output, a setpoint 4-20mA controlled directly with the Up / Down keys or by a keyboard input.

Relay output with change-over contact

Operating mode programmable :

- alarm on level low, level high, levels low and high
- action delayed by timeout
- asymmetrical hysteresis

Switching performance max. 260 VAC / 1A / 150 VA

Universal supply

20 à 265 VDC or 20 à 265 VAC

Power consumption 3 W

Weight 150 g

Operating Temperature -10 °C ... +60°C

Front protection IP65

Dimensions 48 x 96 x 90 mm

Cutout dimensions 45 x 93 mm

Built-in housing Front panel installation by clip frame

Connection

Spring-loaded terminal connector, detachable, core cross-section 1,5 mm² max.

Standard DIN EN 61010-1 Protection class II
Overvoltage category II
Pollution degree 2

Emission & immunity DIN EN 61326-1

Conformity CE

Part number

PA406.0F8AX01

Accessories

ZPA4.001 Accessory for DIN rail mounting