



PA 445

Current loop wall display with output relays

Functional range

- ▶ Free adjustable display
- ▶ Switching mode, hysteresis, switching outputs damping
- ▶ Mains supply 230 V AC
- ▶ Auxiliary power supply 24 V DC for pressure transmitters up to 25 mA

Product characteristics

- ▶ 3digit LED high luminosity display
- ▶ Input 0/4 – 20 mA
- ▶ Protection IP 65

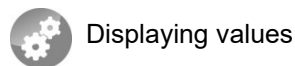
Optional versions

- ▶ 1x or 2 x relay, switching contact 250 V AC, 4 A

PA 445 is a 3-digit wall display of current loop 0 / 4-20 mA with red LED display and own mains-connectable power supply. The offer includes a variant with 1 or 2 output relays with a changeover contact for signaling limit states.

There are 3 control buttons for configuring the display hidden under the lid. The display can be pulled out of the connector and rotated 180 °, so the display can also be used for mounting position with the glands at the top.

Main areas of use

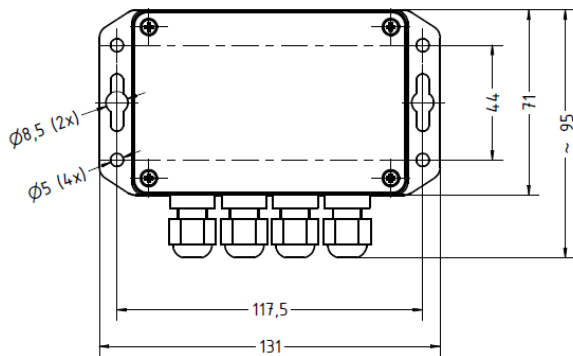


Displaying values

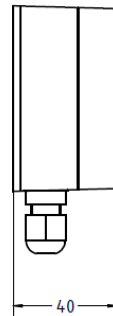


Power supply / Display	
Power supply	230 V AC (+10 -15%), 48 - 65 Hz
Power input	Max. 3 VA
Display	-99 ~ 0 ~ 999 3-digit red LED with high luminosity, digit height 14 mm
Decimal point	Programmable
Distinction	According to the position of the decimal point
Input	
Input signal	Current transducer 4 ~ 20 mA
Outputs	
Outputs	Switching, 2x relay, Switching contact 250 V AC, 4 A
Parameters	
Design	Wall mounted
Dimensions	131 x 95 x 40 mm (w x h x d)
Keyboard	3 keys, inside the unit after removing the lid
Weight	0,25 kg
Auxiliary power supply	24 V DC for power supply of transmitter up to 25 mA
Conditions	
Work temperature / storage	0 ~ 50 °C/ -30 ~ 70 °C
setting time	Within 5 minutes after switching on
Performance	Device of protection class II
Protection	IP 65
Connecting	Connector terminal block (cross-section 0,5-1 mm ²)
Accuracy	± 0,3 % of range
Data backup	Electrical (EEPROM)
Electromagnetic compatibility	
Electrical safety	ČSN EN 61326-1: 2013 including changes ČSN EN 61010-1 ed.2: 2011 including changes Overvoltage category III, degree of pollution 2

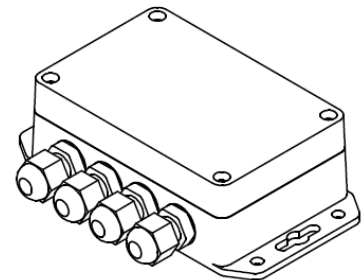
Dimensions (in mm)



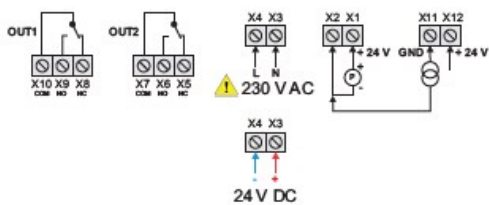
Frontal view



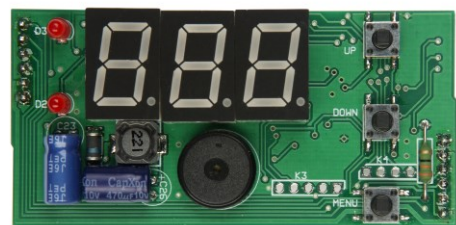
Side view



Overall view



connection

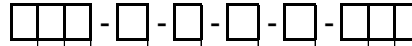


display board with control buttons

Ordering code PA 445

23.08.2024

PA 445



Version										
Standard version	8	5	1							
Input										
current input - transmitter 4 ... 20 mA/2-wire				1						
Contact output										
1 relay (contacts 250 VAC, 4 A)					1					
2 relays (contacts 250 VAC, 4 A)					2					
Power supply										
230 VAC						1				
Display										
LED - Red							1			
Special version										
Standard								0	0	1
Customer								X	X	X

0,-...without additional charge

On request...in accordance with the producer

This data sheet contains product specification; properties are not guaranteed.

Subject to change without notice.

This document contains the specification for ordering the product;

detailed technical parameters of the product and its possible variants are given in the data sheet.

BD SENSORS reserves the right to change sensor specifications without further notice.



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