

Digital Differential Switch ZDS-N (Low Pressure)

Parameter

ZDS-N

Digital differential switch with
two switch outputs and display

Pressure ranges

Nominal pressure	Overpressure
1 / 2 / 4 mbar	20 mbar
2,5 / 5 / 10 mbar	100 mbar
12,5 / 25 / 50 mbar	250 mbar
50 / 100 / 200 mbar	500 mbar

Other ranges on request
Switchpoint chooseable in the largest measuring
range

Technical data

Output 0...10V (optional digital)

Supply voltage 12...24V DC +/- 10%

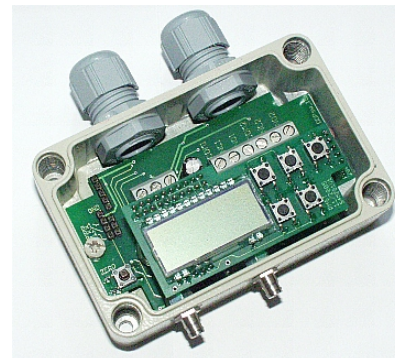
Linearity +/- 1% FS

Accuracy +/- 2,5% FS

Operating temperature: 0 °C till +50 °C

Storage temperature: -20 °C till +120 °C

EMV and ESD checked: EN 50082-1 and
EN 50082-2



with removed lid

Application

- Filter monitoring
- Medicine technology
- Environment systems
- Process control
- Air conditioning engineering
- Semiconductor production
- Low pressure systems
- Test Technology

Technical Data

Description

The differential pressure transmitter is able to measure air pressure or pressure in non aggressive gases. Applications are process control or air conditioning engineering.

The complete digital realization makes it possible to switch the measuring ranges und to zero adjust after installation. So you can compensate zero adjust errors caused by the installation position.

The ZDS-N-Device has two switch channels (relay output 230 V AC, 1A) with freely adjustable switch points. In this device the switch points can be adjusted by internal keys any time.

The optional change-over of the measuring area works only on the analogous output voltage. About that it is possible to adjust the switching range to the analogous measuring range.

The Transmitter will be delivered with or without a 4-digit LCD display. The value area in the display is freely eligible. The units are faded in on the right side.

Optionally the access to the data is possible in digital form and can be pursued up to 120 Transmitter of this class on a digital bus. The connection occurs about bus coupler modules. In this digital system other measuring values are available.

Mechanical data

Dimensions (LxBxH):
100 x 65 x 40 mm
without connectors

Type of protection: IP 65

Electrical connector:
C-clamp in the housing

Pressure connector:
Tube connector 3,5mm/5,5mm

Ordering information

Differential pressure transmitter with switch output
ZDS-N-a-xxx

a: 1 Metal case
2 Plastic case

xxx: pressure range, look at the frontpage

Mistakes and changes in terms of technical improvements reserve