

Digital Pressure Switch ZDS-H (High Pressure)

Parameter

ZDS-H

**Digital pressure transmitter
with relay output and display**

Pressure ranges

Nominal pressure	Overpressure
1...2000 bar	1,5 x Nominal pressure

Other ranges on request

Technical data

Output 0...10V (optional digital)

Power supply 24V DC +/- 10%

Switch output

- ZDS-H-1: Relay: 1 changeover contact,
max. 60 V AC / 1A
- ZDS-H-2: Relay: 2 changeover contacts,
max. 230 V AC / 3A

Switching point: 1...99% FS in 1%-steps

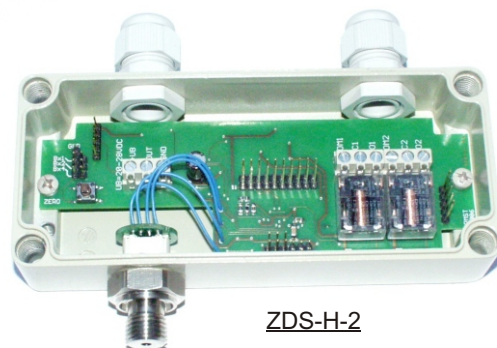
Linearity 0,5% FS

Accuracy 2% FS

Operating temperature: -20 °C till +80 °C

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

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



Application

- Hydraulic
- Pneumatic
- Environment systems
- Process Control
- Air conditioning engineering
- Semiconductor production
- Automotiv application
- Agricultural machine engineering
- Heating
- Industrial roboter

Technical Data

Description

The measuring cell is based on a high-grade steel membrane and can be used with most media. The pressure transmitter is applicable with it in the pneumatics, hydraulics and process technology.

The ZDS-H-1-Device has one relay output (60 V AC, 1A) and the ZDS-H-2-Device has two switch channels (relay outputs 230 V AC, 3A) with freely adjustable switch points. In both devices 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):

- ZDS-H-1: 100 x 65 x 40 mm without connectors
- ZDS-H-2: 150 x 65 x 40 mm without connectors

Type of protection: IP 65

Electrical connector:

C-clamp in the housing

Pressure connector:

G1/4 E (other on request)

Order information

Pressure transmitter with switch output
ZDS-H-a-xxx

a: 1 Realy output: 1 Switch 60V AC, 1A (1 channel)
2 Relay output: 2 Switches 230V AC, 3A (2 channels)

xxx: pressure range, look at the frontpage

Mistakes and changes in terms of technical improvements reserve