DAD INTERNATIONAL



Description:

The EDS 601 is an electronic twoway pressure switch with display and analogue output.

Its digitally adjustable switching points and switching hystereses, make it ideally suited to applications which require frequent change-overs or accurate switch point setting. The variety of setting parameters ensures versatility for use in all control and monitoring tasks in hydraulics, pneumatics, process control and general test and control technology.

Special features:

- Two-channel pressure switch with change-over contacts
- Accuracy ≤ ± 1 % FS
- 4-digit LED display
- Signal output 4 .. 20 mA or 0.10 V selectable
- Can be installed as a pressure gauge or as a front panel mounted unit
- Digitally adjustable parameters
- Optional permanent display of the switching point or of the pressure peak value
- Can be set to display values in any unit of measurement e.g.: kN, kg, psi, ...

Electronic Pressure Switch EDS 601

| Technical data:

; 250; 400; 600 bar ; 500; 800; 1000 bar 00; 1000; 2000; 2000 bar ort G1/4 DIN 3852
00; 1000; 2000; 2000 bar
OFT (-1/4 DIN 3852
SIT C II I DIT COOL
ection: Stainless steel
S typ.
max.
S max.
FS / °C max. zero point FS / °C max. range
ohmic resistance ≤ 400
ohmic resistance ≥ 2 kΩ
outs with change-over contac
er switch output
/ 400 VA
/ithout load /ith load
ns including electronics
С
С
С
С
6-1/2/3/4
OC
) mA
A (100 ms)
, 7 segment, red,
gits 13 mm
803 (DIN 43650) / ISO 4400 Ξ)
Ξ)
anodised

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Setting options:

The EDS 601 combines a multitude of functions with easy operation so that frequently-used parameters can be changed quickly.

Switch point settings:

- Switching point relay 1 and 2 (1 % .. 100 % FS)
- Switching hysteresis 1 and 2 (0.5 % .. 99 % FS)

Basic settings:

- Switching direction relay 1 and 2 (pull-in/release)
- Switching delay relay 1 and 2 (0.00 .. 90 seconds)
- Switch-off delay relay 1 and 2 (0.00 .. 90 seconds)
- Primary display (pressure / switch point / peak value)
- Display filter (slow / medium / fast)
- Output signal (current / voltage)

Measuring range setting:

- Number of decimal places (0...3; 4 digits in total)
- Lower measuring range limit (-995 .. 9995)
- Upper measuring range limit (-995 .. 9995)

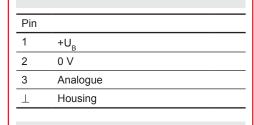
Calibration options:

- Zero point of internal sensor
- Final value of internal sensor
- Zero point voltage output (approx. 0 .. 3 V)
- Final value voltage output (approx. 3.5 .. 10 V)
- Zero point current output (approx. 0 .. 7 mA)
- Final value current output (approx. 7.5 .. 24 mA)

Pin connections:

EN175301-803 (DIN 43650) (voltage supply / analogue output)









Pin	
1	Relay 1 N/C
2	Relay 1 N/O
3	Centre relay 1
4	Relay 2 N/C
5	Relay 2 N/O
6	Centre relay 2
PE	Housing

Dimensions:

163,5 93.5 9 72 102 72 Х 90 $| \bigcirc | \bigcirc$ 눠 G1/4 DIN 3852 female connector DIN 43650 3 pole+PE/ PG 9 connector DIN 43651 7 pole+PE/ PG 11 X (without 7 pole female connector) 20

105

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Note:

The information in this brochure relates to the operating conditions and

applications described. For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

Model code:

EDS 6 0 1 - <u>XXX</u> - <u>000</u>

Pressure ranges in bar 016; 040; 100; 250; 400; 600

Modification number -000 = Standard

Note:

Special models on request. On instruments with a different modification number, please read the label or the technical amendment details supplied with the instrument.

Accessories:

Female electrical connectors EN175301-803 (DIN 43650) and DIN 43651 are supplied with the unit. Additional accessories, such as mechanical adapters, installation kits, etc. can be found in the Accessories brochure.

E 18.052.6/11.13

70 HYDAC