

834990x.0000.xxxxx

Differential pressure controller

- A differential pressure controller is a universal measuring transducer especially for small differential pressures (<100 mbar)
- Actual differential pressure is indicated digitally with 4-digits
- Two switching thresholds for monitoring and control purposes
- Additional threshold is used for monitoring a maximum differential pressure



Technical features

Power supply:
230 V a.c., 50 ... 60 Hz, $\pm 10\%$
24 V d.c., $-16\%/+50\%$

Power consumption:
< 3 VA

Operating temperature:
-10 ... +50°C (14 ... +122°F)

Measuring system:
Semi-conductor sensor

Medium:
Air as well as dry, non-aggressive gases

Measuring range:
0 ... 25/50/100/500 mbar

Pressure connection:
Pipe connection
G1/4" inside thread
Option: 4 mm, 6 mm
hose nipple

Analogue output:
0 (4) ... 20 mA

Relay switching outputs:
1 change-over contact
for cleaning:
Contact rating 250 V a.c.,
5 A or 110 V d.c., 1 A;
1 change-over contact
for Δp -Alarm:
Contact rating 250 V a.c.,
5 A or 110 V d.c., 1 A

Accuracy:
Basic accuracy:
 $\pm 1\%$ of end value
Temperature drift:
 $\pm 0,05\%/K$ of end value

Electrical connections:
Spring-loaded terminals,
1.0 mm² finely stranded,
1.5 mm² single stranded

Approval:
Ex II 3D Ex tc IIIC T135°C Dc IP65

Material:
Casing: Plastic casing (IP65)

Dimensions:
122 x 120 x 55 mm

Technical data – standard models

Description	Model Input voltage in 24 V d.c.	Model Input voltage in 230 V a.c.
0 ... 25	8349900.0000.02400	8349900.0000.23059
0 ... 50	8349901.0000.02400	8349901.0000.23059
0 ... 100	8349902.0000.02400	8349902.0000.23059
0 ... 500	8349903.0000.02400	8349903.0000.23059