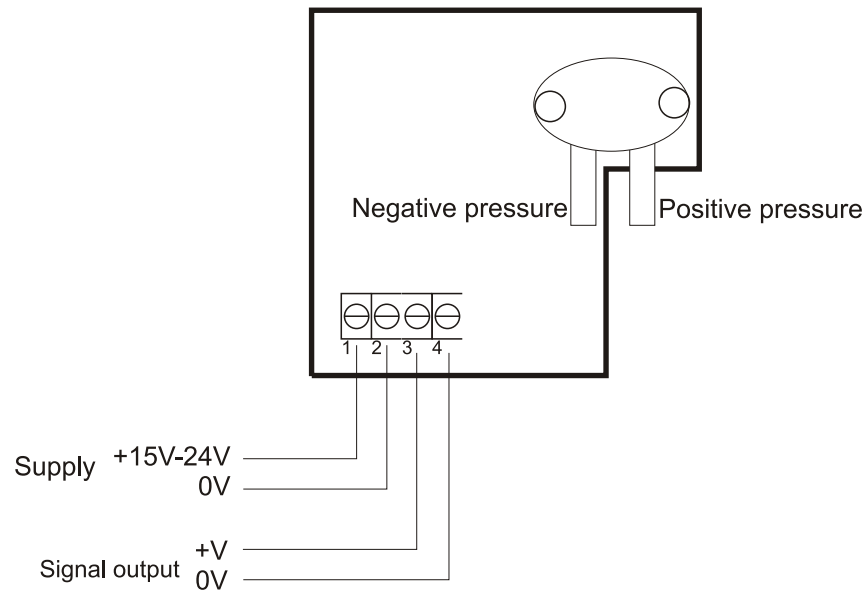


ES 277i

Pressure transducer 0-5 kPa or 0-10 kPa

Connection diagram:



Technical specifications :

Power supply:	13 - 24V DC
Power consumption:	max. 12 mA
Enclosure:	IP 34
Dimensions (h _x w _x d):	140 x 75 x 50 mm
Weight:	250 g
Op. temperature:	0 to 40 °C non condensing
Measuring range:	0-5 kPa or 0-10 kPa (dep. on order)
Tolerance:	+/- 500 Pa in operating temp. range
Max. positive pressure:	75 kPa
Response time 10-90%:	<100 mSec
Signal output:	2,5-8 V or 0-10V dep. on order, see label on product
Output impedance:	10 Ohm

Description:

Pressure transducer 0-5 kPa or 0-10 kPa. Also available in other pressure ranges and output voltages.

The transducer is able to measure positive pressure or negative pressure depending on how the pressure tubes are connected.

As standard supplied for negative pressure.

Mounting:

The unit is fixed with two screws in the bottom of the box. The external connector and the cable gland should be facing downwards. The tube is fitted onto the connector (Ø 7 mm external).

In constant pressure systems, the measuring connector should always be placed a good distance away from the fan wheel to avoid exposure to turbulent air. The pressure must not exceed the max. positive pressure data.

The transducer is intended for measuring of clean, dry and non aggressive air. For measuring of positive pressure move the tube in the cabinet from the UT to the OT connector on the sensor element.

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Drawn by: JEH

Rev.: 1.1

Manufactured by: **LS Control A/S**

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