Description

Pressure transducer without display and 1 pressure sensor.

PressureBox pressure transducer measure gauge, negative and differential pressure.

When PressureBox is entirely to be used as pressure transducer, the pressure is read from the analogue 0-10V / 4-20mA output. See below connection diagram.
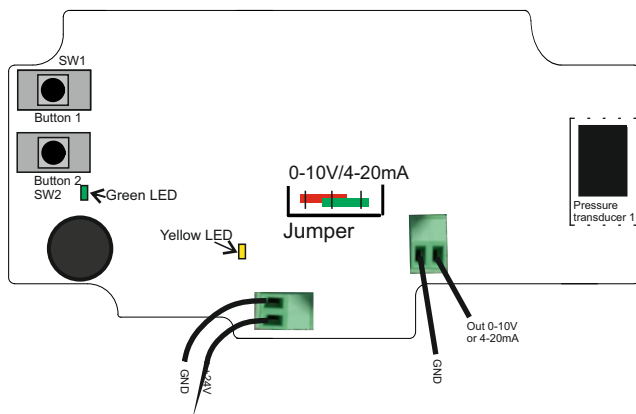
Warning

ESD Sensitive when lid is off. Make sure to be ESD discharged before touching the push-buttons.
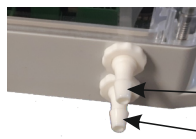
Mounting

Must be mounted on a non-vibrating surface in a non-condensing environment where not exposed to direct sunlight.

Connection diagram

Connecting Pressure tubes

Connecting pressure tubes to PressureBox with one transducer.

Pressure +
Suction -

Tecnical specifications

Supply Voltage: 24V AC/DC ±15%
Enclosure: IP54
Dimension (HxWxD):   65x145x40mm
Pressure hose connection: Ø 4mm

Humidity: 0-97%RH non-condensing
Working temperature:
24VAC: -20ºC to +35ºC
24VDC: -20ºC to +50ºC
    non-condensing
Storage temperature: +5ºC to +50ºC, non-condensing
Pressure area: 0-2500Pa (factory setting 0-500Pa)
Pressure accuracy: See Manual

Output signal: 0-10V / 4-20mA

Changing the pressure area for PressureBox

To change the pressure range of the transducer press button 1 so the yellow LED is constantly lit.

Pres button 1 number the number of times required to get the wanted pressure range.
1 time for 0-250Pa
2 times for 0-500Pa
3 times for 0-1500Pa
4 times for 0-2500Pa.

Press button 2 to save the selected pressure range. Also the selected setting is saved if no buttons are pushed for 10 seconds. Yellow LED turns off when selected pressure area is saved.

PressureBox is now ready to be used as pressure transducer where the pressure is read through the analogue output signal as 0-10V or 4-20mA signal.

The green LED will repeatedly flash the number of times corresponding to the selected pressure range.

If wrong pressure area has ben chosen, the procedure needs to be repeated from the beginning.

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Manufacturer: **LS Control A/S,** Industrivej 12, DK-4160 Herlufmagle

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