

A versatile pressure sensor equipped with 1 or 2 pressure sensors and the possibility to choose amongst predefined pressure areas 0-7000Pa. The measured pressure can be read through the 0-10V/4-20mA output signal or via ModBus protocol. If you use the ModBus protocol the Pressurebox can be used as compilation point for 2 temperature sensors (NTC or PT1000) and digital inputs such as filter guard etc. All readable through Modbus. To measure flow instead of pressure, the K-factor is entered into the pressurebox. By setting an internal setpoint the pressurebox can be used as a simple VAV/CAV controller. The PressureBox is available for other pressure areas, with dual pressure sensor and with or without display.

40748 is equipped with ModBus only. No 0-10V output nor digital input is available.
 40761 is equipped with 0-10V output only. No ModBus nor digital input is available.

Specifications

Supply voltage: 24 Vac/Vdc +/-15%
 Control type: Pressure control
 Output: 0 - 10V, 4 - 20mA, ModBus Rs485
 Internal pressure setting: 0 - 7000Pa according model
 Maximum pressure: 0 - 7000Pa according model
 Connection: Terminal block, pressure hose Ø4mm
 Enclosure: 65x145x40mm, Ip54



Advantages

Special for ventilation systems.
 High quality and low price.
 Easy installation

CE Norms

These differential transmitters comply with following mentioned European norms:
 Low voltage directive EN 60335-1:2012 and EN 60335-1/AC:2014; EMC Standards EN 61000-6-1:2019,

MODEL	LED-Display	NTC/PT1000 Inputs	Number of transducers	Pressure range in Pa	Factory setting in Pa
LS40745	Yes	2	1	0 - 50	0 - 50
LS40747	Yes	2	1	0-500, 0-250, 0-125, 0-50	0 - 500
LS40748	No	0	2	0-500, 0-250, 0-125, 0-50	0 - 500
LS40760	No	0	1	0-2500, 0-1500, 0-500, 0-250	0 - 500
LS40761	No	0	1	0-2500, 0-1500, 0-500, 0-250	0 - 500
LS40765	No	0	1	0-7000, 0-5000, 0-3000, 0-2000	0 - 7000
LS40770	No	0	2	0-2500, 0-1500, 0-500, 0-250	0 - 500
LS40775	No	0	2	0-7000, 0-5000, 0-3000, 0-2000	0 - 7000
LS40780	Yes	2	1	0-2500, 0-1500, 0-500, 0-250	0 - 500
LS40785	Yes	2	1	0-7000, 0-5000, 0-3000, 0-2000	0 - 7000
LS40790	Yes	2	2	0-2500, 0-1500, 0-500, 0-250	0 - 500
LS70798	Yes	2	2	0-7000, 0-5000, 0-3000, 0-2000	0 - 7000