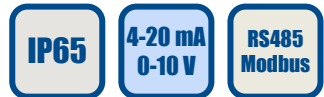


Low Differential Pressure Transmitter E2418DF



Features

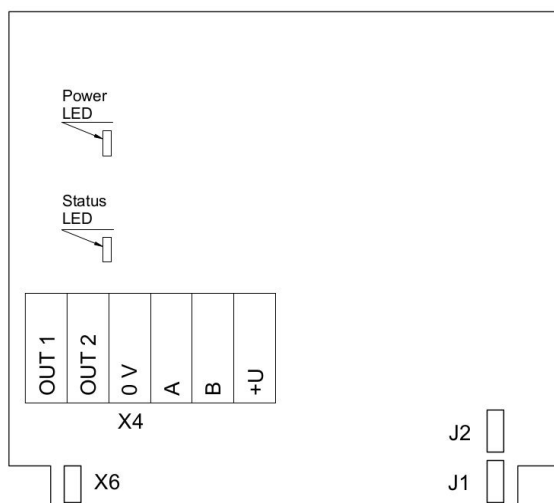
- Ranges from -50...+50 Pa to -500...+500 Pa
- High accuracy, repeatability and zero stability
- Fully calibrated and temperature compensated
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface

Specifications

| | |
|------------------------|---|
| Measured media | Dry clean air without dust, oil, mist, or aggressive compounds |
| Versions | E2418DF-50 -50...+50 Pa E2418DF-500 -500...+500 Pa |
| Temperature effect | Compensated within -5...+65 °C range |
| Power supply | 12...36 VDC (default) 24 VAC as option |
| Power consumption | < 1 W |
| Digital interface | RS485, Modbus RTU protocol |
| Analog outputs | 2 × 4-20 mA / 0-10 V, user switchable |
| Analog output scales | Freely adjustable within range |
| Standard output scales | 0 - 50 Pa, -50 - +50 Pa, 0 - 250 Pa, -250 - +250 Pa, 0 - 500 Pa, -500 - +500 Pa |
| Enclosure | Grey ABS plastic, wall mount, |
| Protection class | IP65 |
| Dimensions | H122 × W80 × D55 mm |
| Pressure ports | Ø4,0...7,0 mm, for 4 or 6 mm air hose |
| Operating environment | Business and industrial spaces |
| Operating conditions | -20...+70 °C, <99 %RH |



Connection diagram



PCB without PSU and relays

Jumpers

- J1** OUT1 type (open: 4-20 mA; closed 0-10 V)
J2 OUT2 type (open: 4-20 mA; closed 0-10 V)
X6 Reset Modbus network parameters to default

X4 terminals

- OUT1** 4-20 mA / 0-10 V output
OUT2 4-20 mA / 0-10 V output
0V 0 V / 24 VAC Neutral (optional)
A RS485 A / Data +
B RS485 B / Data -
+U +24 VDC / 24 VAC Phase (optional)