Differential Pressure Control Device

DPC100

DPC100 devices are reliable devices designed to control the differential pressure measurement and to send the measured value as an analog signal to another system. During the design phase, compliance with international standards, reliability and ease of use are based on. For this reason, they are ergonomic devices that can be used for many different applications in many sectors.

Device Features

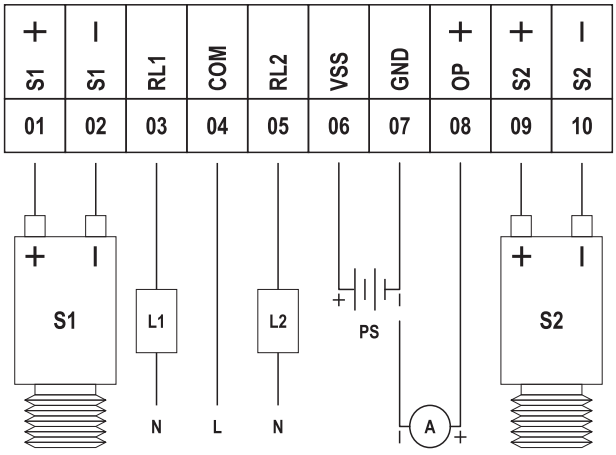
10-32V Supply Voltage
2 pcs 4 Digit Numeric Display
2 pcs Led Display
1 pcs Analog Output (0/4-20mA, 0/2-10V)
2 pcs Programmable Semiconductor Relay
Sensor Error Detection
Work According to the First or Second Sensor
4 Different Relay Functions
100ms Sampling and Control Time

Technical Specifications

Power Supply (PS)	10-32Vdc
Power Consumption	4W
Analog Output (OP) (VSS ≥ 15V)	0/4-20mA (RL≥500Ω) 0/2-10V (RL≥1MΩ)
Semiconductor Relay Output (RL1,RL2)	250VAC, 80mA, NO Contact
Memory	100 Years, 100.000 Renewals
Accuracy	+/- 0,8%
Sampling Time	100 ms
Environment Temperature	Working = -10...+55°C Storage = -20...+65°C
Protection Class	IP65
Dimensions	Width = 115 mm Height = 95 mm Depth = 56 mm
Weight	330 gr

1

Modular Structure and Connection Diagram



Module	Description
S1,S2	4-20 mA Pressure Sensors
L1,L2	RL1 and RL2 show the load driven by semiconductor relays (Function is selected from the configuration page).
PS	Supply voltage input.
OP	Supply voltage input (Supply voltage is determined by product code).

Product Code

DPC100 - __ / ____ 0 / __ / __

Internal Transmitter :
0 = N/A
1 = Available

Pressure Range :
100 - 200 Bar Between
10 - 99 Bar Between
1 - 9 Bar Between
0 - 1 Bar Between
10 - 99 mBar Between

Analog Output Module :
1 = 0/4-20mA Current Output
2 = 0/2-10V Voltage Output

Transmitter Type :
0 = Standard
1 = Abs
2 = +/- mBar / Bar

Example of Product Coding

200 Bar	4-20mA	Analog Output	DPC100-1/200000/1/0
50 Bar	4-20mA	Analog Output	DPC100-1/050000/1/0
6 Bar	2-10V	Analog Output	DPC100-1/006000/2/0
250 mBar	4-20mA	Analog Output	DPC100-1/000250/1/2
100 mBar	4-20mA	Analog Output	DPC100-1/000100/1/2