

Differential pressure controller with integrated pressure sensor.



Nominal data

Type		DPC200-EP50	DPC200-EP500	DPC200-EP1000	DPC200-EP2000	DPC200-EP4000
Nominal voltage	VDC (10 mA)	10 ... 30	10 ... 30	10 ... 30	10 ... 30	10 ... 30
Current input at 10 VDC	mA	7	7	7	7	7
Current input, alternative at 24 VDC	mA	12	12	12	12	12
Measuring ranges available	Pa	0 ... 50	0 ... 500	0 ... 1,000	0 ... 2,000	0 ... 4,000
Perm. ambient temperature	°C	0 ... +50	0 ... +50	0 ... +50	0 ... +50	0 ... +50
Weight	approx. g	90	90	90	90	90

Functions:

- Selection of control or measurement mode
- Analogue output 0 ... 10 V, with adjustable limitation in control mode
- 2 set values can be set in the device
- PI algorithm with separate input of P and I parameters and control response as for ebm-papst products
- Switchable measurement quantities (differential pressure or air flow)
- Switchable units (metric or imperial)
- “Standard” or “Inverse” control response
- Air flow calculation following input of k-factor

Pressure sensor:

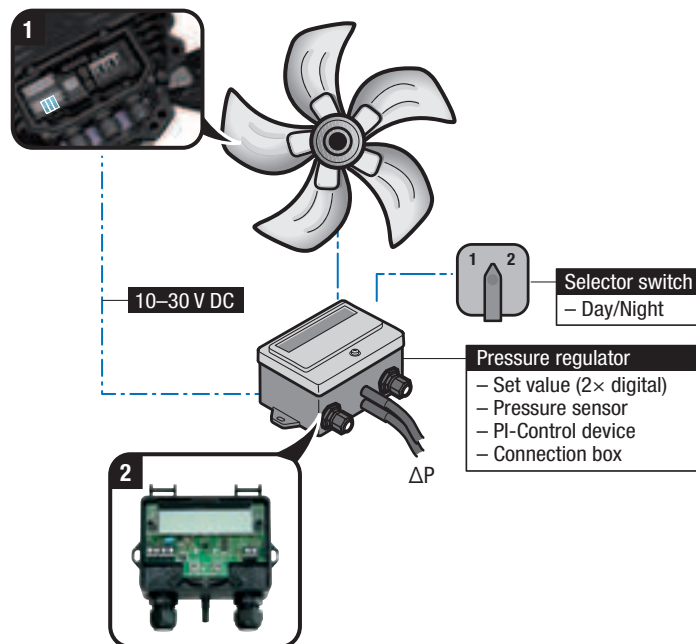
- For non-corrosive gaseous media
- Smallest span 0 ... 50 Pa
- Largest span 0 ... 6,000 Pa
- Overload safety 0.2 bar
- Cable entry M16 x 1.5 screw terminals

Type of protection:

IP 54

Inlet nozzles:

Suitable inlet nozzles for determining air flow can be found in our product documentation



1 Example of fan terminal assignment

KL3							KL2			PE	KL1	
Din2	Din3	GND	Ain2 U	+20 V	Ain2 I	Aout						
RSA	RSB	GND	Ain1 U	+10 V	Ain1 I	Din1	NO	COM	NC	PE	L1	N

2 Example terminal assignment for differential pressure regulator

