

Differential pressure sensor SPM series



Features:

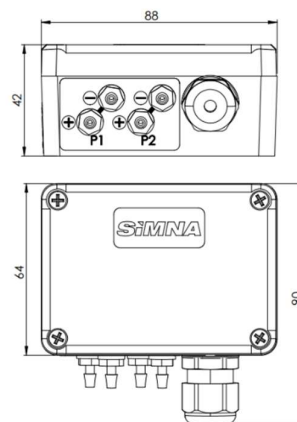
- 2 sensors in one device
- 2 selectable type analog outputs
- Relay output for on/off control
- Air volume measurement
- RS-485 Modbus interface
- Zero-point offset calibration

Differential pressure sensor

SPM is designed for differential pressure measurement and maintain. SPM is suitable for applications in HVAC systems. Simultaneous measurement of pressure parameter is provided through relay, analog or digital interfaces.

PID control, if enabled, will maintain user set differential pressure level in the premises by directly controlling air damper position or fan intensity by the analog signal.

Dimensions



Sensor types

There are 2 sensor types depending on pressure sensors amount.

Sensor type	1 x 5000 Pa	2 x 5000 Pa
SPM-50	+	-
SPM-55	-	+

Technical data

Ambient operating temp.	0..+50°C
Measurement range	0..5000 Pa
Case protection class	IP65
Dimensions	90x88x42 mm
Analog output	2x 0..10V / 2..10V / 0..20mA / 4..20mA with up to 20mA output current

Installation

The sensor can be mounted on a duct or in any other place screwing two holes on the fastening surface. Cable connection is provided through a cable gland on the down side of the box. Pressure connection is made by pushing silicon tube over the pressure pipe behind the cable gland.

CE SPM sensors conforms to the requirements of the EMC directive through standard EN 61326-1.