



E plus E EE600 Differential Pressure Sensor User Guide

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E+E

E plus E EE600 Differential Pressure Sensor



Quick Guide

EE600 – Differential Pressure Sensor

your partner in sensor technology.

PLEASE NOTE

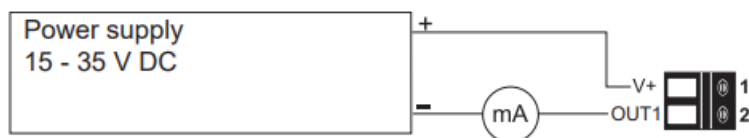
Find this document and further product information on our website at www.epluse.com/ee600.

Electrical Connection

WARNING

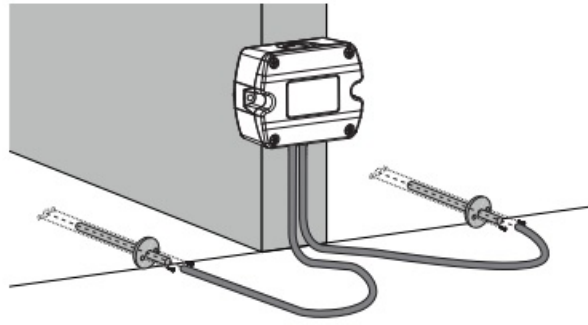
Incorrect installation, wiring or power supply may cause overheating and therefore personal injuries or damage to property. It is essential that the cables are not under voltage during installation. No voltage must be applied when the product is connected or disconnected. For correct cabling of the device, always observe the presented wiring diagram for the product version used. The manufacturer cannot be held responsible for personal injuries or damage to property as a result of incorrect handling, installation, wiring, power supply and maintenance of the device.

Analogue Output

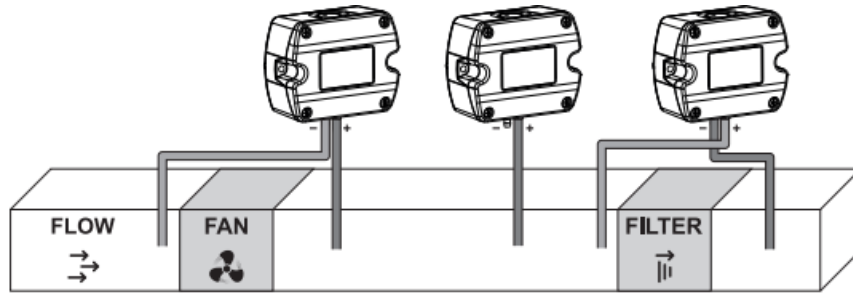


Installation

Pressure Connection



Mounting Examples



Use a Ø7.5 mm drill for installing the pressure connection nipples into the duct.

User Interface – LED Indication

Green LED		Red LED		
Flashing (1 s interval)	EE600 operates normally, the measured data is within the selected measuring range	Flashing (1 s interval)	The measured data is out of the selected range (overload or reversed pressure connection)	
One flash (2 s)	Confirms adjustment or return to factory settings		One flash (2 s)	Indicates the failure of the attempt to adjust zero point or span point, or to return to factory adjustment
Off	No power supply or electronics failure			
Fast flashing (0.2 s interval)	Auto-zero is executed (first time 90 min after start / reset)			

EE600 with 2-wire Analogue Output

S 1	S 2	MR1)	S 3	S 4	Time	S 5	S 6	Unit	S 7 2)	S 8	Auto-zero ³⁾	S 9	Setting ⁴⁾	S 10	MD5)
0	0	100 %	0	0	50 m s	0	0	Pa	–	0	On	0	DIP switches	0	Bidirectional
1	0	75 %	1	0	500 ms	1	0	mbar	–	1	Off	1	PCS10	1	Unidirectional
0	1	50 %	0	1	2 s	0	1	inch WC							
1	1	25 %	1	1	4 s	1	1	kPa							

1. Measuring range 2) No function 3) Auto-zero version only 4) These and further settings can be changed with PCS10 via USB configuration adapter (HA011066) while DIP switch S9 = 1 5) Measuring direction

Measuring range examples: S1 = 1, S2 = 0, S9 = 0, S10 = 1 S1 = 0, S2 = 0, S9 = 0, S10 = 0 0...750 Pa or 0...7500 Pa ±1 000 Pa or ±10 000 Pa or customised measuring range

PLEASE NOTE

With the 2-wire version, manual zero point adjustment is only possible every 90 minutes if an auto-zero valve is present.

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QG_EE600_bidirectional | Version v1.0 | 10-2024 | All rights reserved | 350212

FAQs

1. Can the EE600 be used outdoors?

The sensor's IP65/NEMA 4 enclosure makes it resistant to dust and moisture, suitable for some outdoor applications as long as it's within the specified temperature range.

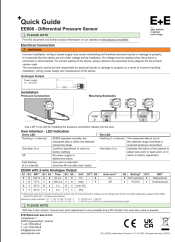
2. What gases can it measure?

It is compatible with air and non-flammable, non-aggressive gases only.

3. How is it calibrated or configured?

The device can be set up using DIP switches and push buttons or through an optional USB adapter with dedicated configuration software.

Documents / Resources



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EE600 Differential Pressure Sensor, EE600, Differential Pressure Sensor, Pressure Sensor, Sensor

References

- [E+E High-end sensor solutions for your applications | E+E Elektronik](#)
- [User Manual](#)

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