

EC-1000 - Pressure and Flow Controller for EC Fans

Device description

The pressure and flow controller controls the speed of the fan using the 0-10 V output signal. It does not need a separate electrical connection, as it is powered by the voltage of the fan. Thanks to this solution, it consumes up to 100 times less energy than competing devices.

Features

Plug & Play

All you have to do is connect the controller to the fan's power source and connect a pressure measurement point into the ventilation duct. You will receive all the necessary parts in the kit.

Set & Forget

Set up your device using an NFC-enabled phone. A free application for download is provided on iOS and Android platforms.

Smart algorithm

An adaptive algorithm has been implemented in the controller, which does not require tuning and is resistant to gusts of wind and changes in the ventilation system (e.g. disassembly of ventilation grilles).

Calendar / Night setpoint

Schedule fan performance reduction at night time. Separate settings for working days and weekends.

Technical parameters

PARAMETER	VALUE
Supply voltage	10 V DC
Power consumption	typ. 3 mA, $I_{MAX} < 10$ mA
Battery	CR2032
Communication	NFC
Operating temperature	from -25 °C to +50 °C
Pressure setting range	from -500.0 Pa to 500.0 Pa
Flow setting range	from 1 to 10000 m3/h
Output signal	0 - 10 V DC
Case protection class	IP54
Dimensions	120x122x46 mm
Weight	200 g

