

PCA 1000D2 Demand controller

for pressure and constant flow ventilation

Item #: 76739

Demand controller for pressure and constant flow ventilation

- Demand controller for EC-fans or e.g., a frequency inverter.
- Possible control modes
 - Variable air volume (VAV)
 - Constant air volume (CAV)
- User friendly menu, easy setup
- Supply voltage directly from the fan. No additional supply voltage is necessary.

Technical specification

- Controlled output signal: 0-10 V ($I_{max} = 0.3\text{mA}$)
- Voltage supply with polarity reversal protection: 10-24 V DC ($I_{max} = 6\text{mA}$)
- Adjustable measuring range 0-1000Pa
- Pressure ports + / -: for \varnothing 5mm hose adapters \varnothing 6 mm
- Enclosure class IP54

The sensor control module for differential pressure and volume flow measures and indicates the pressure or, optionally, the volume flow in a ventilation system. The calculation of the volume flow is performed by entering the K-factor of the application.

Depending on the desired setpoint value and control range, the sensor control module generates 0-10 V to control the EC fan or e.g., a frequency inverter.

The sensor control module is supplied by the fan or frequency inverter which it controls, e.g., with 10-24 V DC.

