

Series
DPWQ30600



■ **Use**

Self-calibrating sensor DPWQ30600 VOC with a microprocessor control for air quality control. Qualitative assessment of air saturation with contaminants (cigarette smoke, exhaled air, solvent and detergent vapours). The sensor sensitivity can be adjusted with regards to the expected maximum level of air pollution. Enables on-demand ventilation which results in considerable energy savings as air is exchanged only upon reaching the pre-set level of pollution.

■ **Design**

VOC sensor has 2 analogue outputs: 0-10 V and 4-20 mA. An analogue output provides for stepless fan speed control (requires an EC-motor fan or an extra speed controller with an output 0...10 V, for example, VFED). With stepless control the fan speed is changed in proportion to air quality changes.

■ **Mounting**

The sensor is mounted onto a wall or a mounting box inside the serviced space.

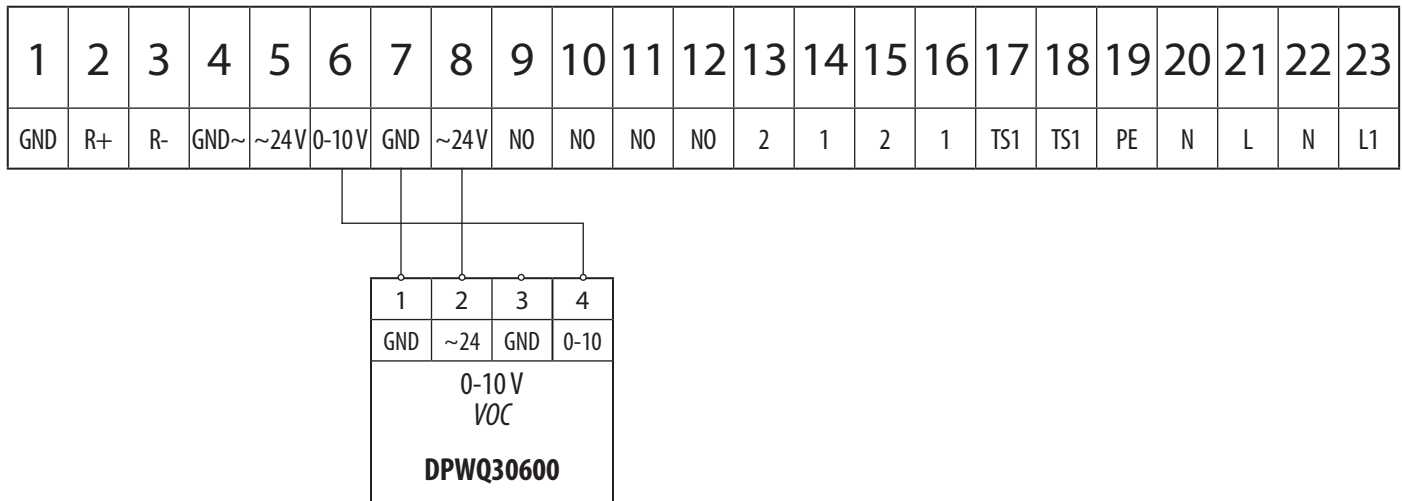
The unit is powered from a 24 V AC/DC low-current electric mains.

Technical data

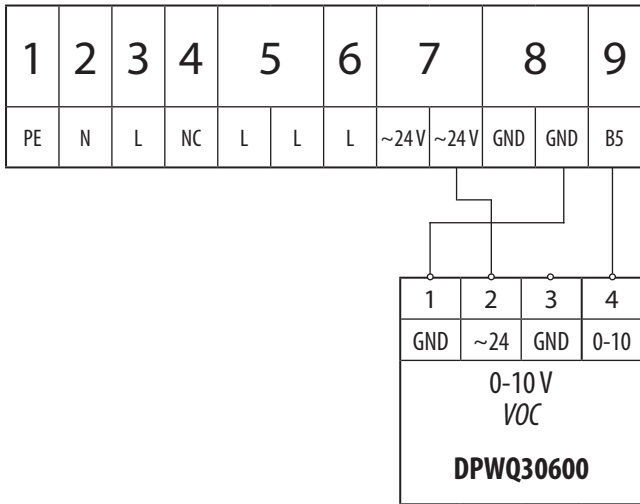
Parameters	Values
Power source	24 V AC/DC
Gas analyser	VOC sensor
Measurement range	0-100 % air quality
Output signal	0-10 V
Measurement precision	±20 %
Operating conditions	0-50 °C; 10-90 % relative humidity without condensate
Protection class	IP30
Dimensions [mm]	79x81x26

Connection diagram

VUTR P/V EC



DVUT HB EC



DVUT PB EC

