revision
09 2014

ALC230A

Room temperature and CO_2 controller

Controller with a 0...10 V output signal for control of e.g. an EC fan or damper.

Combined sensor and controller

ALC230A is a stand-alone unit containing a controller, a temperature sensor and a CO_2 sensor. This enables you to save on component costs, resulting in a cheaper, easier installation.

Simple and easy VAV controller

ALC230A is perfectly suited for demand controlled ventilation and contributes to a healthy room climate and reduced energy costs. The unit has a reversible output signal that permits control of either heating or cooling. The control mode is changed simply by moving a jumper. The temperature setpoint is easily changed using the wheel on the right side of the casing. The rotary switch for the CO_2 setpoint is located inside the casing.

Straightforward mounting

The unit is intended for mounting on a standard device box and powered by 230 V. No transformer is required.

Short facts about ALC230A

- Combined CO_2 and temperature control
- Settable for control either of heating or cooling
- Adjustable setpoint, P-band and I-time
- Discreet, stylish design suitable for all indoor environments

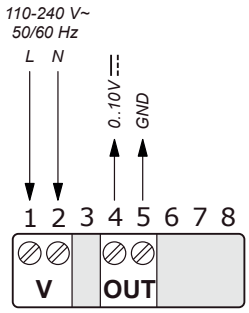
Technical data

Supply voltage	110...240 V AC, 50/60 Hz
Power consumption	Max. 1.25 W
Protection class	IP30
Ambient temperature	0...50°C
Ambient humidity	10...90 % RH (non-condensing)
Working range, CO_2	0...2000 ppm
Outputs	1 analogue output 0...10 V (RL > 10 K)
Dimensions (WxHxD)	88 x 100 x 30.5 mm
Mounting	Wall

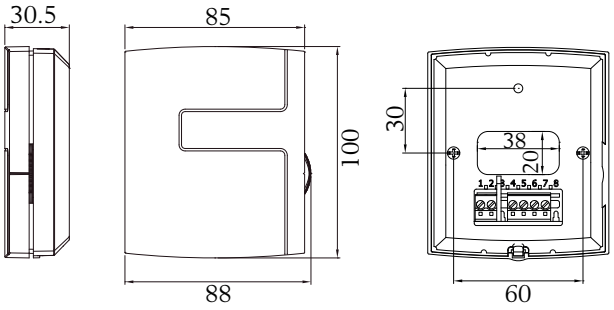
CE

Low Voltage Directive (LVD) standards: This product conforms to the requirements of the European Low Voltage Directive (LVD) 2006/95/EC through product standards EN 60730-1 and EN 60730-2-9.
EMC emissions & immunity standards: This product conforms to the requirements of the EMC Directive 2004/108/EC through product standards EN 61000-6-1 and EN 61000-6-3.
RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council.

Wiring



Dimensions (mm)



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