



# GRC

## temp/rH electronic two fans speed controller

The GRC digital fan speed controller is a temperature and relative humidity dependent speed controller for areas with inlet and exhaust air flow. Minimum motor speed, relative humidity/temperature and negative pressure setpoints can be adjusted by front panel potentiometers.

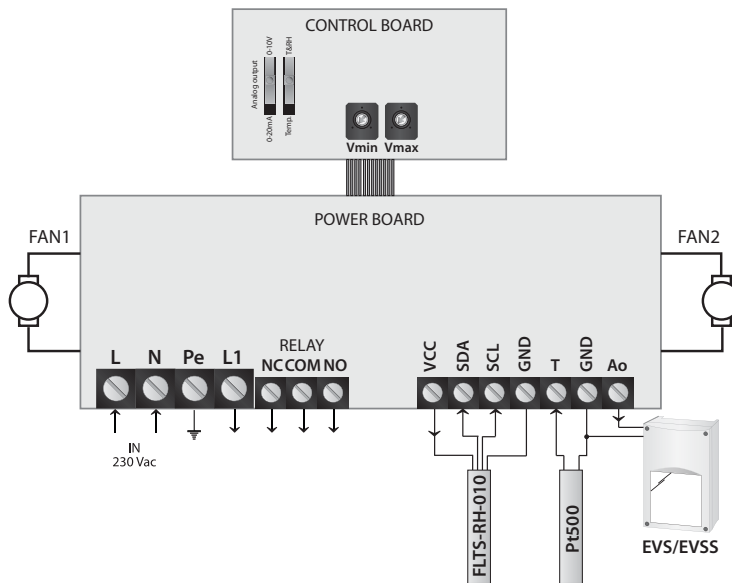
The GRC has an internal slide switch for choosing only temperature setting or relative humidity and temperature setting. Minimum and maximum speed can also be adjusted internally. There is a separate on/off switch with the possibility to bypass or to branch off 230 VAC. The controller is overvoltage protected by a varistor and has a built-in overcurrent fuse.

The GRC uses Sentera's digital relative humidity/temperature sensor FLTS-RH-010 or the analog temperature sensor FTSP-500-010, sold separately.

### SPECIFICATIONS

- 230 VAC - 50 Hz - 10 A (2 x 5 A output)
- Infinitely variable control
- Internal minimum and maximum speed setting
- Dewpoint/Temperature program (mode) selectable by slide switch
- Enclosure: plastic (R-ABS, UL94-V0, RAL 7035), IP54
- Ready mounted cable glands
- 0-10 VDC/0-20 mA selectable by slide switch
- LED functionality indication
- Maximal ambient temperature: 35 °C
- FLTS-RH-010 or FLTSN-P500-010 sensors not included
- According to the low voltage directive: 2006/95/EC / the EMC directive: 2004/108/EC

### WIRING DIAGRAM



L	power supply line - single phase 230 VAC - 50 Hz
N	power supply neutral
Pe	power earth
L1	not regulated output 230 V
VCC	power supply for digital sensor (3,0 - 3,3 VDC)
SDA	data line for digital sensor
SCL	clock for digital sensor
T	temperature sensor FLTSN- P500-010 or ROTSN-P500
GND	ground
NC	relay output
COM	relay output
NO	relay output
Ao	analog output (0-10 V/100 mA or 0-20 mA - select by switch)
GND	ground
Fan1	fresh air fan
Fan2	exhaust fan