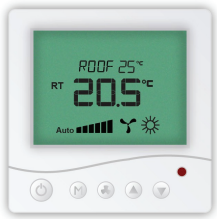


Fan Controller
TR3100FC

EN Operating Manual



Safety Instructions



Risk of electric shock!
↔ Connection and mounting must be undertaken by a professional electrician!

Note



- Please follow this manual for complete installation and operation instructions. If you have any questions or comments, please contact your supplier.
- CAUTION: This unit should be installed by a registered electrician and are familiar with house wiring. This is a line voltage device that could cause serious injury or damage if improperly installed.



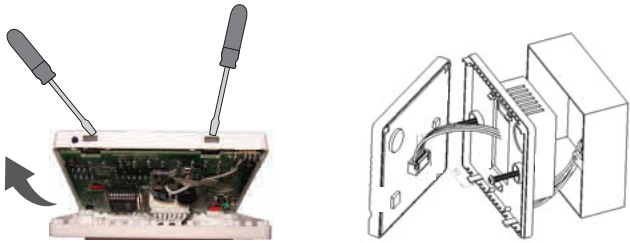
Technical data

Dimensions H x W x D (mm)	86 x 86 x 15
Supply voltage	230 / 240V AC
Display	3.2" LCD
Outputs	1 x triac output & 1 switch relay output
Function mode	Ventilation /Heating
Temperature sensor	NTC 10K Thermistor
Differential	1°C
Controlled temperature	+18°C ... + 25°C
Temperature meas. range	-9°C ... + 60°C
Display temperature update	every 1 sec.
Ambient temperature	-5°C ... + 45°C
Accuracy	± 1°C for +20°C
Resolution	0.5°C
Protection degree	IP 30

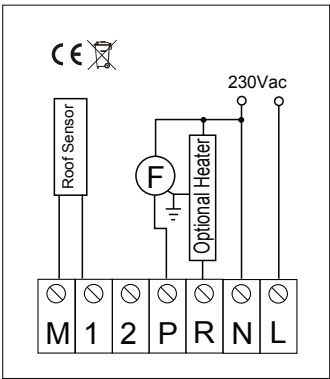


Installation and Mounting

Carefully separate the front half of the thermostat from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the thermostat. Carefully unplug the ribbon connector which is plugged in to the front half of the thermostat. Place the thermostat front half somewhere safe. Terminate the diagrams below. Screw the thermostat back plate on to the back box. Re-connect the thermostat ribbon cable and clip the two halves together.



Wiring Diagram



Fan: 2amps max
Optional heater: 2amps max



Winter Mode/Summer Mode / Manual mode

Press button M to select Winter mode / Summer mode /Manual mode
Winter mode and summer mode belongs to Auto mode.
Auto mode: on LCD , there will be an “ Auto ” displaying on left bottom side, controller will adjust the fan speed automatically according to temperature conditions.
Manual mode: on LCD , there will be a hand icon displaying on left bottom side, user can ajust the fan speed manually by button.
user may select 6 grades of fan speed:



Set temperature in Auto mode

Press button or button once, you will see set temperature flashing. Use button or button again to adjust to the temperature you want your room to maintain. Press button to accept and exit.

Resetting factory defaults

Your controller has the ability to reset all settings to the factory defaults. If you are certain you want to do this:
In standby mode(when controller is turned off), press and hold button and for 5 seconds until RES is shown on LCD.

Lock /Unlock the buttons

To lock/unlock the buttons, press and hold the buttons and for 5 seconds .

Winter mode(Warmup mode)

If the room temperature is cooler than the roof space temperature then the system will enter winter mode and bring warmer air from the roof space into the home. If roof space temp drops below 16°C, the fan speed will drop to trickle.

Summer mode(Ventilation mode)

If the room temperature is higher than the roof temperature, the fan speed will enter summer mode, The fan will operate at mid speed unless roof space temp reaches 25 °C or higher when the fan will drop to trickle speed.

Filter changing symbol

When the fan has been running for one year, this symbol will come up for user to change filter. To clear the symbol, firstly press the power button to turn off the controller. Then press and hold button M for 5 seconds until you see " menu 1 " And lastly press button M again to move to menu 3. Use up or down button to clear it.