



RTRE Transformers

Manual 5-step transformer for effective fan speed control

- Integral motor protection
- Indicator lamp
- Thermoplastic casing
- Manual operation

[Find more details in our online catalogue](#)

Manual operation

The 5 steps of the RTRE single-phase transformer is adjusted manually using the control knob on the front of the unit.

Integral motor protection

An integral motor protection device is included which cuts the supply voltage to the fan if the thermal contact in the fan motor is activated.

230V terminals

The RTRE transformer has 230v terminals for operating dampers, electric water-heater batteries or other external equipment.

The RTRE single-phase transformer controls the fan speed by altering the supply voltage in five fixed steps. These steps are operated manually using the control knob on the front of the unit. The RTRE transformer contains an integral motor protection device which cuts the supply voltage to the fan if the thermal contact in the fan motor is activated. The unit can be reset by turning the knob to zero. After a ten-second duration has passed the unit will restart.

Available in different sizes, the unit features input terminals for room thermostat RT. This stops the supply voltage to the fan when the circuit is broken. These terminals are linked prior to delivery. The transformer has 230v terminals for operating dampers, electric water-heater batteries or other external equipment. These terminals have no current when the transformer knob is in position 0, or when the TK or RT input is open. The RTRE also features a self-extinguishing thermoplastic casing.

Technical parameters

Nominal data

| | | |
|-------------------|--------|----|
| Voltage (nominal) | 230 | V |
| Frequency | 50; 60 | Hz |
| Phases | 1~ | |
| Input current | 3 | A |

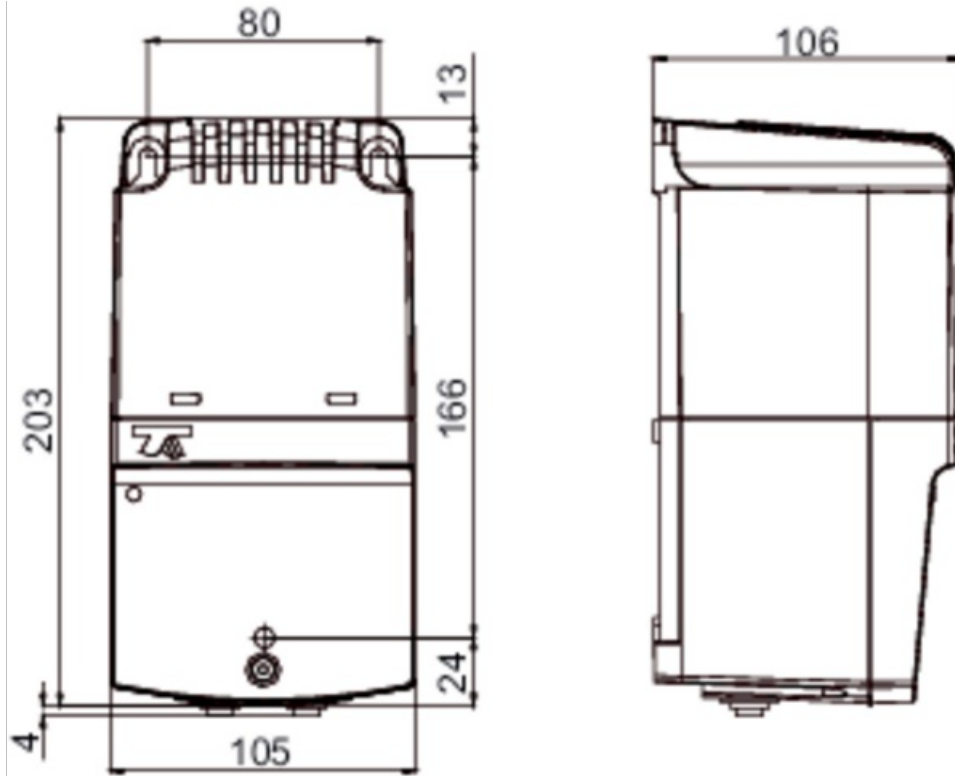
Protection/Classification

| | |
|-----------------|------|
| Enclosure class | IP54 |
|-----------------|------|

Dimensions and weights

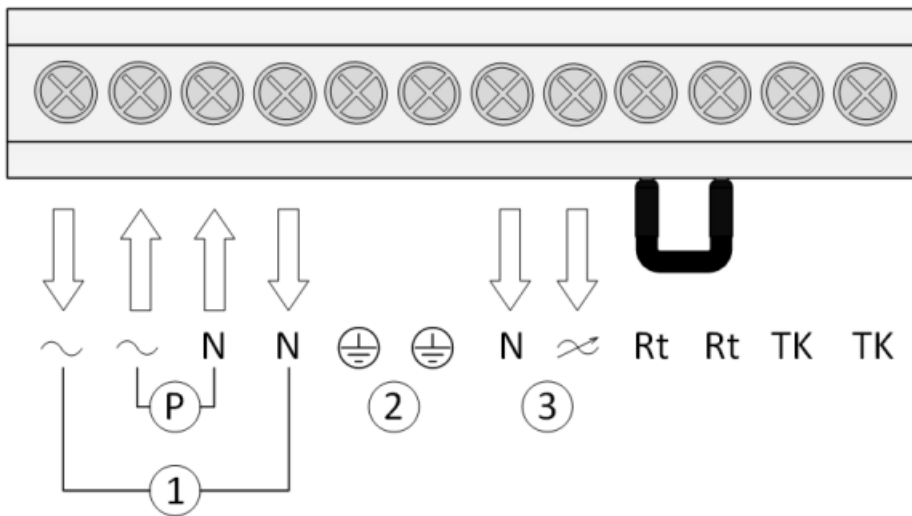
| | | |
|--------|-----|----|
| Depth | 106 | mm |
| Height | 203 | mm |
| Width | 105 | mm |
| Weight | 2.8 | kg |

Dimension



Wiring

RTRE 1,5 RTRE 3 RTRE 5



(P): Main power supply input.

(1): Relay connection. There is always 230V between ~ and N when the transformer knob is in one of the positions 1-5.

(2): Earth

(3): Fan connection output.

(Rt): Room thermostat (if the room thermostat is not in use, Rt shall be looped together)

(TK): Motor protection (if the motor protection is not in use, TK shall be looped together)

Documents

- RE RTRE REU_ IMO_ GB.PDF
- DECLARATION OF CONFORMITY_RE_REU_RTRE_EN-2017.PDF