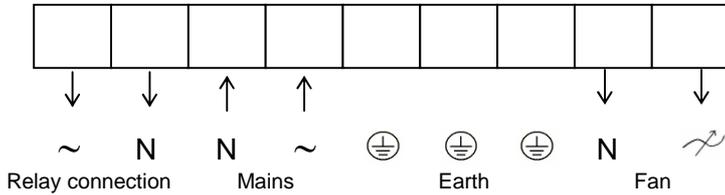


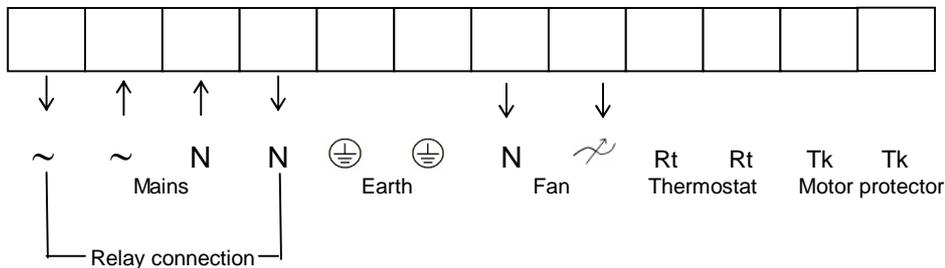
## Connection diagram

### RE 1,5 RE 3 RE 5 RE 7



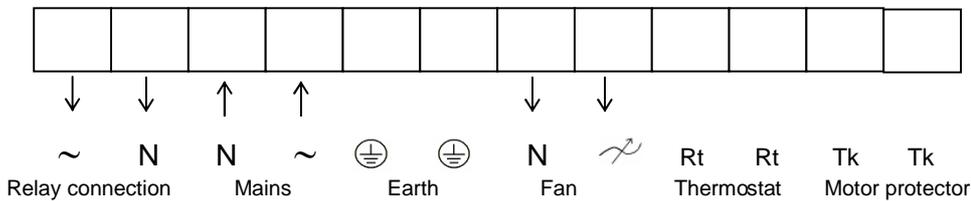
Relay connection: There is always 230V between ~ and N when the transformer knob is in one of the positions 1-5.

### RTRE 1,5 RTRE 3 RTRE 5



Relay connection: There is always 230V between ~ and N when the transformer knob is in one of the positions 1-5. If the motor protection is not in use, Tk shall be looped together.

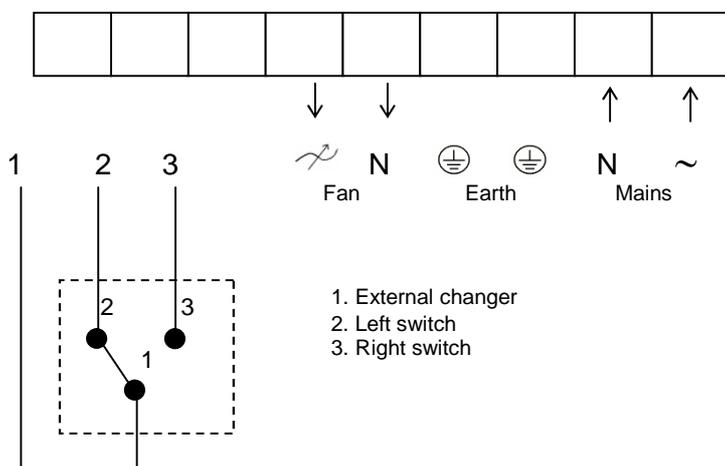
### RTRE 7 RTRE 12



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### REU 1,5 REU 3 REU 5 REU 7



1. External changer
2. Left switch
3. Right switch

**Attention!** Switching contact must always be connected.

## Operating Instructions

### 5-step controller for 1-phase fan motor

RE1,5 3 5 7. RTRE1,5 3 5 7 12. REU1,5 3 5 7.

#### Contents:

Safety information  
Transport, storage  
General description  
Technical data  
Installation  
Maintenance, service

#### 1. Safety Information

- 1.1. Mounting and electrical installation may only be carried out by a qualified electrician. Instructions supplied by the manufacturer or dealer must be followed in order for the product warranty to be effective.
- 1.2. The mains voltage must be disconnected during all work with the cover removed. Otherwise, there is a risk of electric shock.
- 1.3. The product must not be used with equipment other than that specified.
- 1.4. The total output of the connected fan motors must not exceed the maximum load for the controller.

#### 2. Transport, storage

- 2.1. The product is suitably packed at the factory for the agreed mode of transport.
- 2.2. Take care to avoid damage to the packaging or controller when unpacking.
- 2.3. The original packaging must be used at all times during storage.
- 2.4. Avoid exposure of the controller to extreme heat or cold.

#### 3. General description

- 3.1. The controller is intended for the speed control of 1-phase fans within voltage band II.
- 3.2. Adjustment is by means of a switch that selects different voltage steps to the fan.
- 3.3. An illuminated warning lamp indicates that the supply voltage to the fan is not interrupted at all terminals.

#### 4. Technical data

Supply voltage:	230V 50-60 Hz
Output voltage:	80, 105, 130, 160, 230 V
Enclosure class:	IP54
Ambient temperature:	50°C
Manufacturing standard:	EN 61558-1/2-13

- 4.1. One terminal of the output circuit of the controller is protected by an automatic current limiter capable of external resetting.
- 4.2. With the switch in position 0, the controller is disconnected at all terminals (not REU1,5). Relay connection blocks are also dead in this position.
- 4.3. RTRE models are provided with a motor protector. The protector can be reset by interrupting the mains voltage for 10 seconds. RTRE also includes a room thermostat control function, for which the terminals are connected at the time of delivery. N.B. The indicator lamp will illuminate to indicate a tripped motor protector and interrupted room temperature circuit, because these only interrupt the voltage supply to the fan at a single terminal.

- 4.4. The switches of the REU1,5 interrupt the voltage supply at only a single terminal, and the indicator lamp will thus illuminate with the switches in position 0. A circuit breaker for disconnecting all terminals must be installed ahead of the REU1,5 controller.

#### 5. Installation, mounting

- 5.1. Wall mounting with three screws.
- 5.2. Note the maximum ambient temperature for the controller.
- 5.3. The cover of the controller is opened by means of a captive screw.
- 5.4. Two cable ducts are provided for a maximum cable diameter of 13 mm.
- 5.5. The distribution box should be protected with a 10A fuse for installation using 1,5 mm<sup>2</sup> conductors, and with a 16A fuse for 2,5mm<sup>2</sup> conductors.
- 5.6. Max. load relay connection 7 A resistive / inductive.

#### 6. Maintenance, service

- 6.1. The controller is essentially maintenance-free. If the controller has been accidentally exposed to abnormal levels of liquid, dust or physical damage, its function and safety must be checked before further operation.
- 6.2. Make sure that the terminal blocks are fully tightened.