

**ELECTRIC TRIAC TEMPERATURE CONTROLLER**

Electric triac temperature controllers for single and two-phase electric heaters

**PULSER-M**



**Application**

The triac controller **PULSER-M** is designed for control of electric heaters power output. The controller design allows connecting to single- or two-phase heaters.

**Design and control**

**PULSER-M** is equipped with a built-in temperature controller for indoor temperature control and external main sensor as well as input terminals for connection of the built-in temperature sensor that can be used as a main

sensor and the sensor for minimum and maximum limitations. The temperature controller selects the required voltage automatically depending on 230 or 400 V operation. P or PI control law is selected automatically. Temperature setting range depends on the used temperature sensor, refer temperature sensors TG-K.

**Mounting**

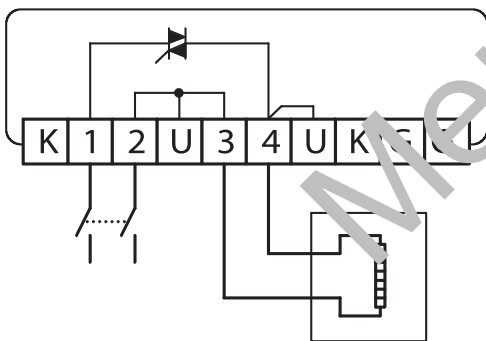
The controller is designed for mounting on the vertical level surface between power supply and the electric heater.

**Technical data**

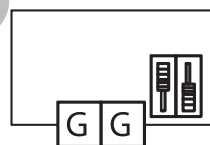
|                           | <b>PULSER-M</b>    |
|---------------------------|--------------------|
| Maximum load current      | 16 A (3400/6000 W) |
| Voltage [V]               | 230/400            |
| Pulse period              | 60 s               |
| Overall dimensions [mm]   | 94x150x43          |
| Weight [kg]               | 0,3                |
| Ingress protection rating | IP 20              |

**Wiring diagrams**

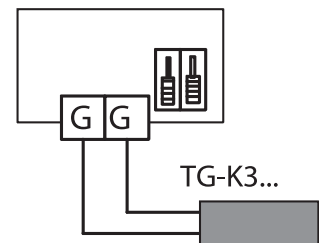
Connection to electric heater and power mains



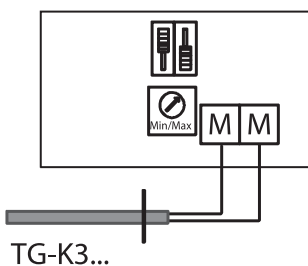
Connection of the main sensor and settings



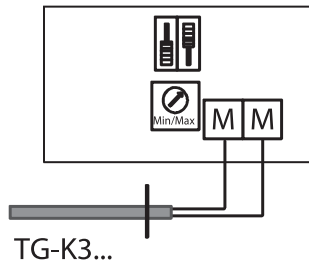
Connection of external sensors



Connection of the sensor for minimum temperature



Connection of the sensor for maximum temperature



Connection for night set-back

