



Triac controllers type PULSER-M

Triac controller for wall mounting with built-in sensor and setpoint adjustment for controlling single phase or two phase electric heating batteries, it is also possible to connect an external sensor to the controller.

Application

- Electric heating batteries

Specifications

- Possible to connect 230 V single phase or 400 V 2 phase electric heaters
- Maximal load: 3,6 kW (230V) or 6,4 kW (400V)
- Adjustable at night: 1 to 10°C (closure of contact by means of an external time switch)
- Room temperature control: for slow temperature changes, works as P-controller (P = 2K)
- Supply air temperature control: for rapid temperature changes, works as PI-controller (P = 20K, reset time = 6 min)

Mounting

- Wall

Accessoires

- External duct sensors, type **TG-K330**
- Potentiometers to set external setpoint, type **TBI-30**

Technical data

- Supply voltage : 230V AC or 400V AC, single or two phase. Automatic adaption
- Current : minimum 1 A - maximum 16 A
- IP 20
- Proportional band : 2K fixed (room control) / 20K fixed (supply air temperature control)
- Reset time : 6 minutes, fixed (supply air temperature control)
- Pulse period : 60 seconds, fixed
- LED indication on the side of the controller when the output is active
- One input for an external NTC sensor
- Setpoint : selectable, either internal or external

Function

- The controller pulses the entire power output ON/OFF. The controller utilises time-proportional control, the ratio between On-time and Off-time is varied to fit the prevailing heating requirement (example ON = 30s and OFF = 30s gives 50 % output power).

Settings

- Setpoint range : 0 to 30°C, the choice of sensor determines the controller setpoint range
- Night set-back : 0 to 10°C

Dimensions

- (W x H x D) : 94 x 150 x 43 mm