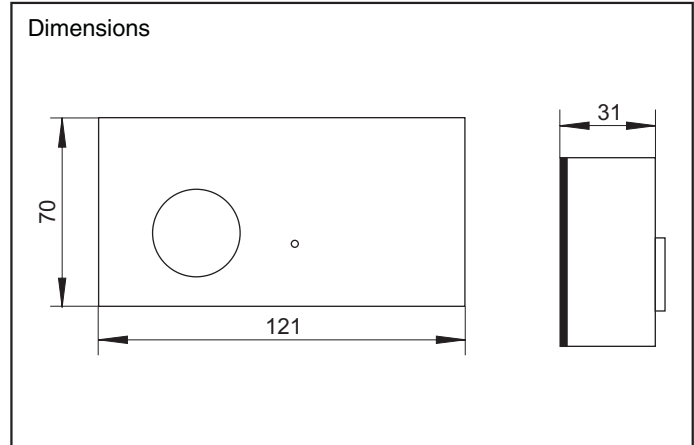
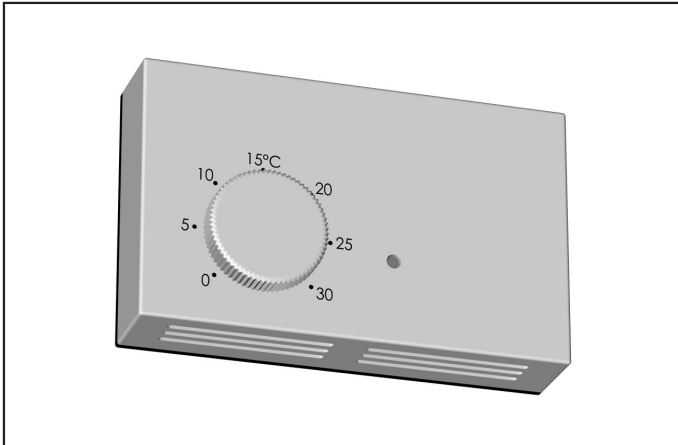


CONTROL UNITS AND CONTROLLERS

OUTPUT CONTROLLER

RV1/2-3,5/6,4



USE, DESCRIPTION

The controller is destined for output control of round electric heaters EOKO and rectangular electric heaters EO up to max. output 6,4 kW. Controller is located inside plastic box destined for wall mounting. Rotating knob is used for setting of required temperature. Current flow through heater is indicated by LED above knob.

Function

Controller steplessly controls the heating output of the heater in dependence on the deviation of the required temperature from the current one. The output of the heater is controlled in range 0 - 100%. Controller is equipped with temperature sensor, required temperature adjuster and night temperature reduction adjuster.

Function of reduction

If you connect the terminals 3 and 4, the reduction is activated. On terminals can be connected for example the Time switch. You can heat the space on reduced temperature for example over the night. The time of reducing is set on time switch. During the reduction the controller is regulating the temperature set on regulator reduced by temperature set on trimmer "NIGHT"

example:

Temperature set on regulator = 20°C
 Required temperature during reduction = 15°C
 On trimmer "NIGHT" set 5°C

Controller has in-built temperature sensor and in-built regulator of temperature, If you use the external sensor (CPT or CKT) or external controller with sensor (CPTO) the function of external components will be always superior to function of in-built sensors or controllers of temperature. For chosen variant is necessary to set DIP switch to the proper position.

Technical parameters

- power supply 230V / 400V AC / 50-60Hz
- range of switched current into applied load 1 - 16A
- maximum output of heater 230V/3,5kW, 400V/6,4kW
- required temperature pre-set range 0 - 30°C
- internal temperature sensor
- input for switching of night temperature reduction by potential-free contact (contact ON - temperature reduction active)
- setting of night temperature reduction 0 - 10°C
- programming by aid of DIP-switches
- protection degree IP20
- ambient work temperature 0 - 35°C
- possibility to connect external temperature sensor or controller
- indication of current flow through heater



OPERATION

Controller is destined for indoor operation with ambient temperature 0 - 35°C (regular standard environment).



ACCESSORIES

- CPT - room temperature sensor
- CKT - duct temperature sensor



KEY CODE

RV 1/2-3,5/6,4

- Maximum controlled electric output of the heater in kW (3,5 kW for single-phase heaters connected to 230V; 6,4 kW for two-phase heaters connected to 400V)
- Number of controlled phases (1/2 - for one or two-phase connected heaters)
- Output controller

CONTROL UNITS AND CONTROLLERS

OUTPUT CONTROLLER

RV1/2-3,5/6,4



INSTALLATION

Installation on a wall

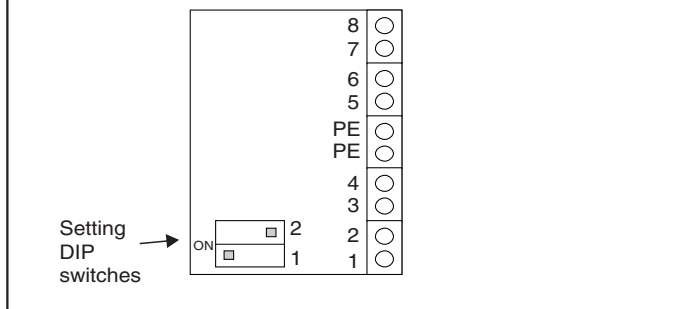
Controller must be fixed in horizontal position to enable proper air circulation through cooling openings to ensure enough cooling effect!

Pull the knob off the shaft. Remove screws from the sides of the casing and remove the front cover with cooling openings. Thread the input and output cables and cables to sensors, if any, through the holes in the back plate and fix the base plate to the wall by four screws in the corners (screws not included). Connect the conductors according to the chosen scheme, return the cover and fix it by side screws. Turn the shaft left to its end position and return the knob with line aiming to auxiliary mark down on the temperature scale right from 0°C. Push the knob on the shaft.

Electric installation

For regulation and sensing the temperature in the same place as the controller is installed and that is why use the in-built sensor and in-built regulator, you will not need for function of controller any further accessories.

Fig.1 Connection using built-in sensor and internal setting of required temperature



For sensing the temperature in different place than the controller is installed and the temperature should be controlled by in-built controller, you must use external temperature sensor either CPT or CKT.

Fig.2 Connection using external sensor (CPT or CKT) and with internal setting of required temperature

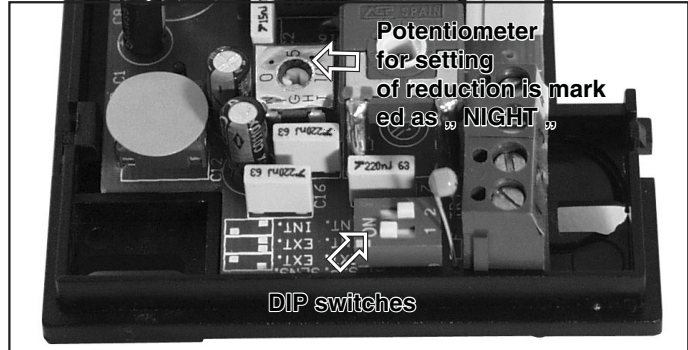
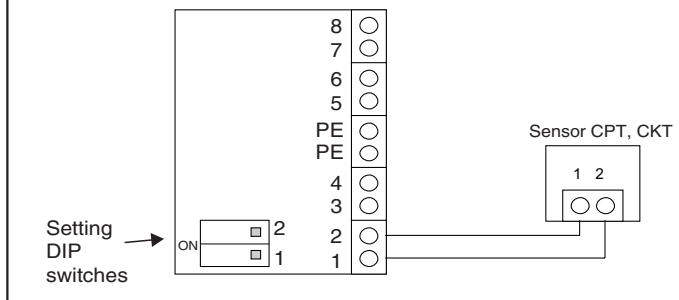
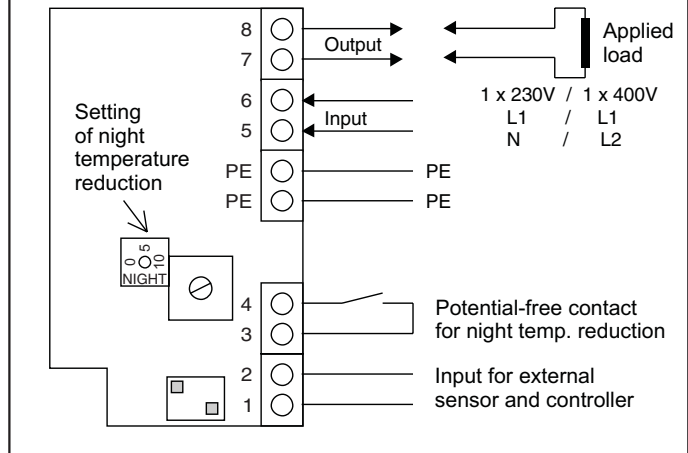


Fig.5 General connection of the controller.



NOTICE:

The controller's outlets for sensor connection are not separated from mains voltage. They are interconnected with hot parts of mains distribution and it means there is dangerous voltage there. That it is obligatory to keep appropriate safety precautions.

DANGER

Allways disconnect the controller from mains before cover removal.

Dangerous voltage under controller cover on controller cooler.