PULSER...X010

Electric heating controller for external input signal 0-10 V, 230 V AC or 400 V AC, wall mounting



Electric heating controller for controlling electric heating batteries, electric panels etc. It operates on an input signal from an external controller.

- ✓ Wall mounting
- ✓ External input signal 0...10 V
- ✓ For loads up to 3.6 kW (230 V) or 6.4 kW (400 V)

Application

This is an electric heating controller with triac control for single phase or two phase electric heating. It is connected in series between a power supply and electric heater; such as an electric heating battery or electric panel. The unit is controlled by an external 0...10 V DC control signal.

Triac control is considerably more accurate than on/ off control. This means increased heating comfort and lowered energy costs. The electrical output is controlled by solid-state electronics with no moving parts, making it completely maintenance free. Network disturbances are also eliminated, as the current is controlled on/off at zero crossing.

Function

The electric heating controller utilises stepless, time-proportional control, i.e. the ratio between on-time and off-time is varied in order to fit the present heating requirement. Example: At an incoming control signal of 5 V and a pulse period of 60 s, the controller works using an on-time of 30 s and an off-time of 30 s, providing an output power of 50 %. The pulse period is settable: 6 s, 60 s or 120 s

Installation

The electric heating controller is primarily intended for wall mounting.

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Technical data

Supply voltage	...230X...: 230 V ~ (207...253 V ~ 50/60 Hz 16 A) ...400X...: 400 V ~ (360...440 V ~ 50/60 Hz 16 A)
Ambient temperature	0…30 °C, non-condensing
Pulse period	6/60/120 s, adjustable
Mounting	Wall
Protection class	IP20
Dimensions, external (WxHxD)	93 x 153 x 40 mm

Output load	Resistive load, max 16 A, min 1 A
Input signal	0...10 V DC

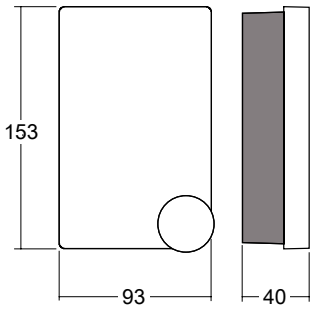
CE

This product carries the CE-mark. More information is available at www.regincontrols.com.

Models

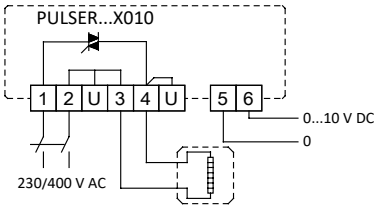
Article	Supply voltage
PULSER230X010	230 V
PULSER400X010	400 V

Dimensions



[mm]

Wiring



Terminals

Terminal 1...2: Supply voltage (polarity-independent)
Terminal 3...4: Output load
Terminal 5: Signal neutral
Terminal 6: 0...10 V DC
U: Outputs for wiring of PULSER-ADD

Product documentation

All documentation can be downloaded from www.regincontrols.com.