



PULSER-ADD is a slave-controlled electric heating controller for controlling electric heating batteries, electric radiators etc. The controller is slave-controlled via another PULSER.

- * PULSER-ADD is a supplementary unit for slave-control from another PULSER.
- * Automatic adaption to connected supply voltage 200 - 415V.
- * For loads up to 3.6kW (230 V) or 6.4kW (400 V).
- * Several PULSER-ADD units can be slave-controlled by the same main unit.

Function

PULSER- ADD is an electric heating controller (triac control) for single phase or two phase (200 - 415 V) electric heating.

It is intended primarily for wall mounting and is connected in series between power supply and an electric heater, for example an electric heating battery or electric panel.

PULSER-ADD is a supplementary unit which is used when the load of the electric heating battery exceeds the capacity of the PULSER. The control input of the PULSER-ADD must be connected to the control output of another PULSER.

If required several PULSER-ADD units can be controlled by the same main PULSER unit.

PULSER-ADD controls the electric load synchronically with the output load from the main unit.

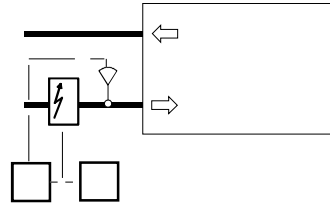
Function

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 e.g. ON = 30 s and OFF = 30 s gives 50% output power. The cycle-time (the sum of on - time and off - time) is fixed approx 60s.

This control accuracy contributes to reduced energy costs and to the increased comfort of an even temperature. Since the current is switched by a semiconductor (triac) there are no moving parts that can wear out. The current is switched at zero phase angle, to eliminate network disturbance .

Application example

With loads larger than 3500 W (230 V AC) or 6000 W (400 V AC) a PULSER ADD unit can increase the Controlling capacity of a standard PULSER unit. Several ADD units can be connected but each controller must control an individual heater section.



Technical data

General

Supply voltage	200... 415 V AC 50-60 Hz, single or two phase. Automatic adaption.
Power output	Maximum 16A, minimum 1A
Ambient temperature	Maximum 30°C with no condensation. N.B. Pulser generates 20W.
Storage temperature	-40 - +50°C.
Ambient humidity	90% RH maximum.
Form of protection	IP20



This product conforms with the requirements of European EMC standards CENELEC EN 50081-1 and EN 50082-1, European LVD standards IEC 669-1 and IEC 669-2-1 and carries the CE mark.

Control unit parameters

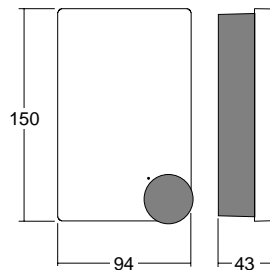
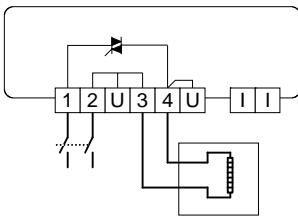
Indicator LED that is lit when power is pulsed to the heater.

Inputs

Control signal For control signal 210...415 V AC. Galvanically separated from the PULSER-ADD supply voltage PULSER-ADD will be on when the input signal is higher than 200V.

Dimension and wiring

Supply voltage and load



Wiring of control signal

