

Electronic Temperature Controller PT-300

The electronic temperature controller is designed to maintain the temperature in the set range.

PT-300 is used in general-purpose industrial electric heating systems of pipelines and tanks, in de-icing systems, as well as for maintaining a positive temperature in control cabinets within the set temperature range. The required temperature range corresponds to the selected pre-programmed TST04

temperature sensor. The sensor is programmed at the factory and cannot be reprogrammed.

The regulator, in conjunction with the connected temperature sensor TST04, maintains the temperature according to the factory setting and does not require any settings for installation and operation.

The on/off button allows to switch off the heating system when it is not needed.

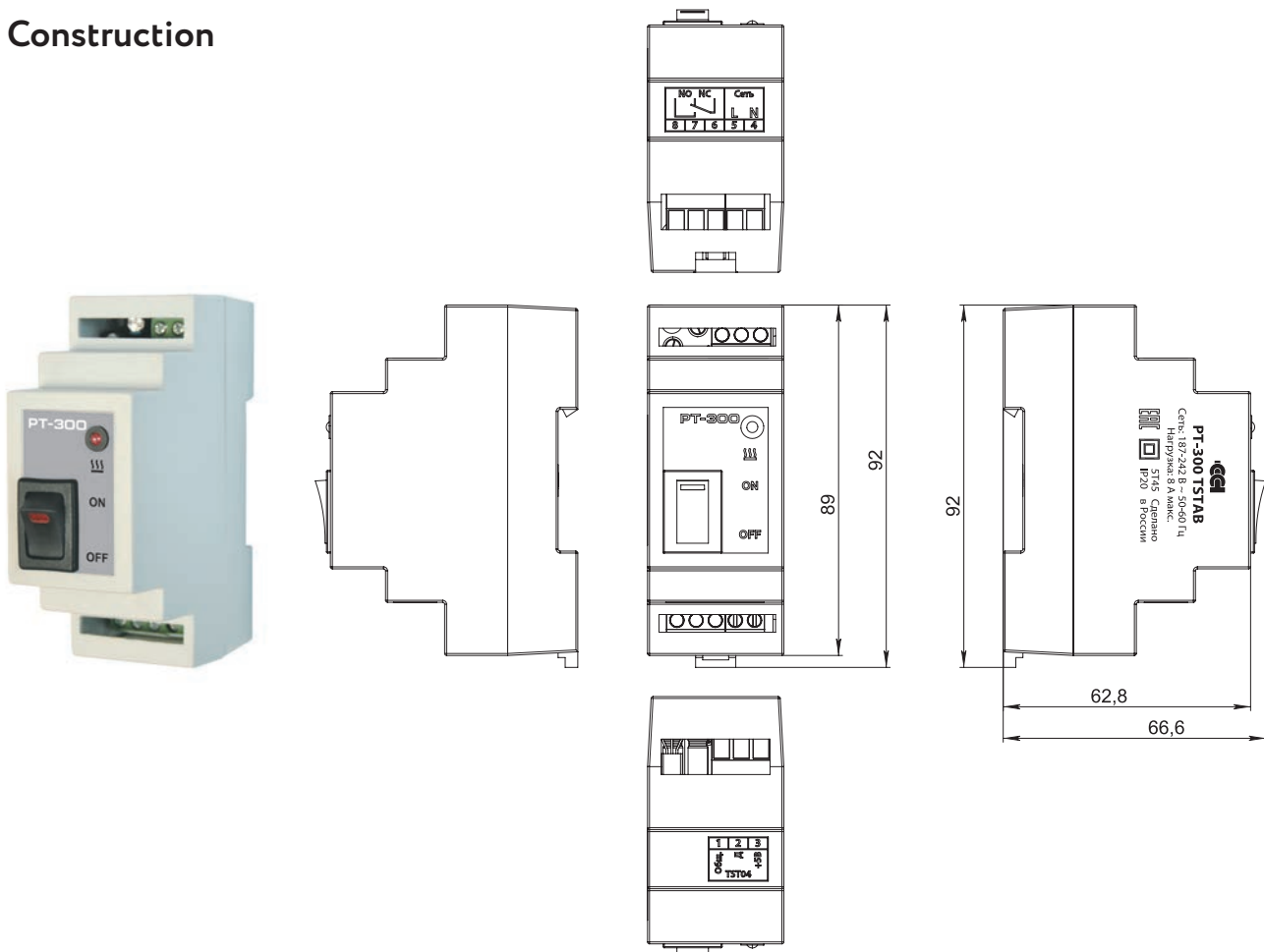
Features

- Easy operation
- Small size
- Max. switching capacity 8 A
- Maintenance of set temperature without additional adjustments
- Indication of power and heating status
- Parameter storage in non-volatile memory
- Relay changeover contact

Application Areas

- Freeze protection of pipelines and vessels

Construction

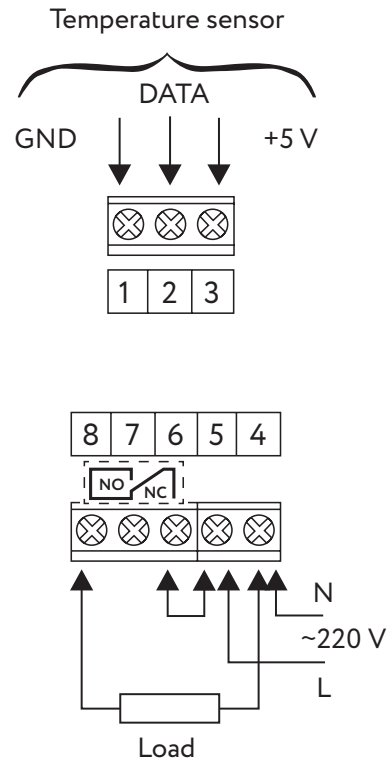


Technical Data

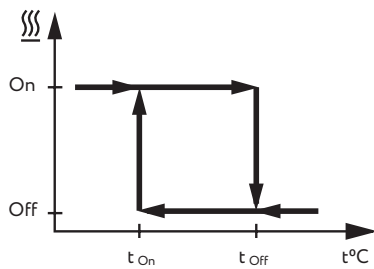
Temperature setting range	set by sensor TST04
Supply voltage	~220 V, 50 Hz
Power consumption	0,5 W
Dimensions	35×90×68 mm
Weight	100 g
Operating temperature	+5 ... +45 °C
Relative humidity	80 %
Degree of protection	IP20
Mounting type	DIN-rail, 2 modules
Type of temperature sensor*	TST04
Maximum sensor distance from the controller	up to 100 m
Number of temperature measurement channels	1
Number of control channels	1
Switching capacity	8 A
Temperature measurement accuracy	±0.5 °C

* The sensor is not included in the scope of supply and must be ordered separately

Wiring Diagram



Function Diagram



Types

Name	Order code
Electronic temperature controller PT-300	1120004000

Accessories

Name	Order code
Temperature sensor TST04 (in the required configuration)	1121001000

Approvals

