

INSTRUCTION MANUAL cased contact thermostat THP 90



Installation

⚠ Warning:

Only qualified person can do installation and connection of thermostat to integrated circuit in accordance with notice nr.50/1978 mim.§ 6.

Installation only without voltage!

1. Put thermostat on pipe with whole contact area. For better transmission is good to apply attached heat transfer paste on contact area.
2. Fasten thermostat with attached spring.
3. Remove regulatory button [1] and loos fixation screw [2], for loose the case [3].
4. Thread the connected conductor through power supply bushing [4], and tighten attached conductor to thermostat clamp [a], [b], [c], according to requested function. Connect ground cable to ground clamp [d]. Temperature difference can be adjusted with difference setting [e].
5. Put on case [3], tighten fixation screw [2], put on regulatory button [1]. Pay attention to straight position of thermostat shaft while putting on regulatory button.

The manufacturer will reject warranty repair, in case the product has been damaged:

- during transport and storage of the purchaser, or his customers,
- during installation or disassembly of device of the purchaser or his customer.

Warranty and post-warranty repairs

Warranty and post-warranty repairs are provided by the manufacturer. Warranty claim of a faulty thermostat should be done at the seller. The warranty claim will be accepted in case, that following requirements are met:

- submitted warranty list of the given thermostat,
- paid invoice of the thermostat,
- the conditions and requirements of operating manual were met.



Storing conditions

Storing can be done in closed and aired rooms within temperature range 15–60 °C. Storing and transfer must not cause a mechanical damage of the device. Thermostats must be treated with care, with no major shocks or vibrations.

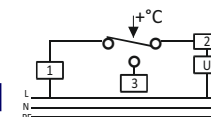
Disposal

Disposal should be performed as follows: Hand into a recycling collection point.

Warranty

Provided, that the product has been placed and used according to the instruction manual, the manufacturer provides with warranty in compliance with a valid code, unless agreed otherwise.

Wiring diagram



1 -2 switch-off at reaching adjusted temperature
1 -3 switch-on at reaching adjusted temperature

Description and use

Cased contact thermostat THP 90 is used in applications, where is emphasis on design and easy control, or where it is suitable to prevent straight touch with contacts. Widely used for switching of boiler or solar system circulation pump. Main advantages of these thermostats are easy control, mounting and reliability. Thermostats THP 90 feature change-over contact for connection and disconnection of electric circuit. Thermostat case guarantees protection IP 20.

Certificate of conformity:

For evaluation of conformity was used protocol nr.6450-004/2009

Harmonized norms: ČSN EN 61010-1:2003, ČSN EN 60695-2-11:2001

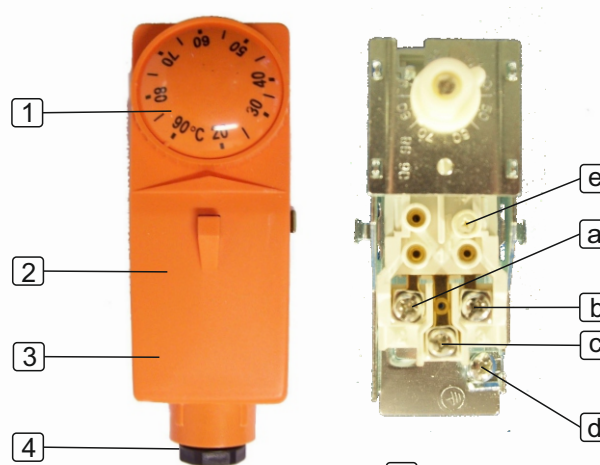
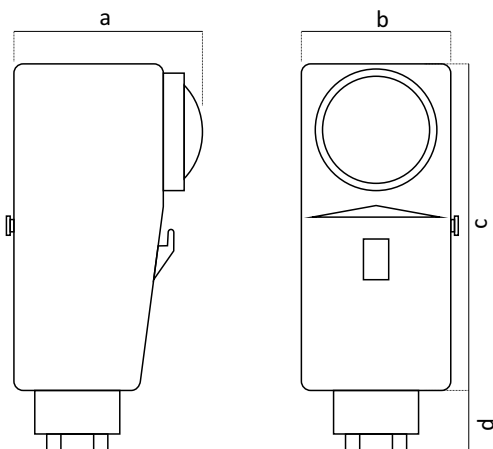
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Design

Description

Technical parameters



- 1 regulatory button
- 2 fixation screw
- 3 case
- 4 power supply bushing

- a clamp 2
- b clamp 3
- c clamp 1
- d ground clamp
- e difference setting

Dimensions in mm			
a	b	c	d
54	38	99	20

Type	THP-90
Temperature range	20-90°C
Temperature difference	adjustable 1-8±3K
IP protection	IP 20
Insulation class	I
Rate of temperature change	<1K/min
Tmax surrounding	85°C
Storing temperature	15-60°C
Output	NO/NC
Contact load	1-2 =16(2,5)A/250V~ 1-3=2,5A/250V~
Installation	common environment
Output pipe	M20x1,5
Mounting	on pipe
Design	freely accessibly or covered regulation