

USER'S MANUAL

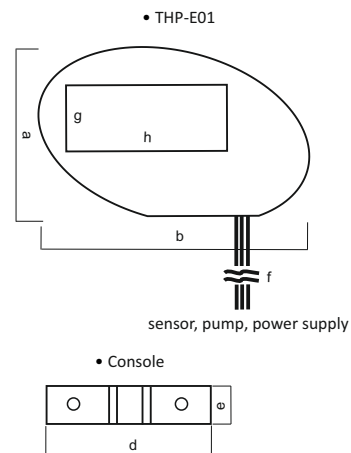
electronic thermostat THP-E01



Product description

Electronic thermostats are mainly used in applications, where the emphasis is put on visual aspect and easy control, or where it is convenient to prevent direct contact with the conenctors. Main advantages of these thermostats are easy control, mounting and reliability. Widely used for switching of boiler circulation pump. Thermostats THP-E01 feature change-over contact for connection and disconnection of electric circuit. While using thermostat THP-E01 it is possible to set the switching difference. The thermostat is supplied with sensor, wall-mounting console, cables and sensor holder.

Design



Dimensions in mm				
a	b	c	d	e
80	125	70	70	20
f	g	h		
2000	25	70		

Installation

Electrical:
⚠ Warning

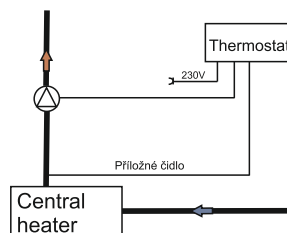
Only qualified person can do installation and connection of thermostat to integrated circuit in accordance with notice nr.50/1978 mim.§ 6.. Installation only without voltage!! Installation and connecting of the thermostat into power grid can be done only by authorised serviceman. Thermostat's sensor detects the surface temperature, which can be affected by the surrounding air temperature. Surface temperature of the pipes is lower than water temperature in the heating system. Thermostat controls electrical device according to the heating system medium temperature. Switch or fuse must be part of protection system of the building. Misuse of this device can cause failure of the protection system. Switch or fuse must be accessible nearby this device and shall be labeled as disconnection element.

Mechanical:

Start with mounting the console onto the wall using the screws. Proceed by attaching thermostat to the console. Fix the sensor to it's place with the holding tape (insulate if necessary). Connect the cable to the controlled device and to the power supply.

Troubleshooting

Only the producer is allowed to service this device.



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.

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

- during tranport 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.

Stroring conditions

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

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

info@thermis.cz, www.thermis.cz



Description

Buttons and indicators:

⏻ Turn the device on/off.

SET Enter the settings and input value.

⬆ Show the pre-set value in the display mode. Skip between functions in the menu and increase the value.

⬇ Show of the pre-set difference in the display mode. Skip between functions in the menu and decrease the value.

WORK: on = connected

off = disconnected

SET: on = user setting in progress

Display status:

Display mode: Initial display status. Current sensor temperature is shown.

Value setting mode: Required temperature value can be set for connecting/disconnecting.

Programmable menu mode: function can be selected and set.

Display mode

Current sensor temperature is shown. ⬆ ⬇ buttons function - see section Buttons and indicators.

Value setting mode

Press SET button at least 3 sec to enter (SET indicator is on). Use arrow buttons to set the value. Newly set value can be saved by pressing SET button for 3 sec or automatically after 20 sec.

Programmable menu mode

Press SET button and ⬆ for at least 3 sec to enter. Use arrow buttons to select the function you want to set. Use SET button to enter. Use arrow buttons to set the new value. Press SET button for 3 sec to save the new value and return to programmable menu mode. Press SET button for 3 sec again to save the new parameters and return to display mode.

Technical parameters

Symbol	Function	Available range	Default value
F1	Difference	1°C - 16°C	2°C
F2	Thermostat retardation	0 - 9 min	0 min
F3	Min. required value	-50°C - required value	0°C
F4	Max. required value	required value - +99°C	99°C
F5	Operating function	1. cooling 2. heating 3. alarm	1
F6	Temperature correction	-5°C - 5°C	0°C

Type	THP-E01
Temperature range	-50°C - 99°C
Temperature difference	1°C - 16°C adjustable
Power consumption	max. 5W
IP protection	IP 44
Max. environment temperature	60°C
Storing temperature	-30°C - 60°C
Acuuracy	±1°C
Operating placement	common environment
Output	contact switch-off or switch-on
Connector workload	10A/250V