



Function

The purpose of safety thermostats is to maintain the water temperature in heating systems within set limits, and especially well under the critical point. Safety thermostats TS 3030 e TS 3032 are encased thermostats with bimetallic sensor.

These thermostats may function both as normally open and normally closed. The type of functioning is to be chosen during the electrical connection phase.

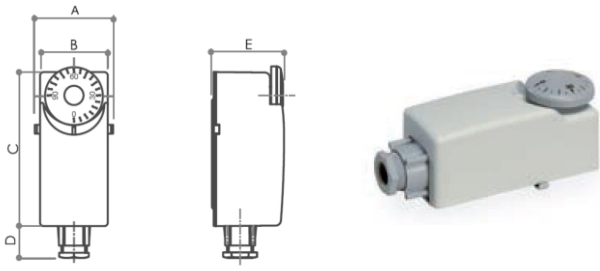
Technical data

Temperature range of adjustment:	0 ÷ 90 °C
Tolerance:	1 bar
Differential:	8 ± 2 °C
Temperature limit of the control head:	T 85
Degree of protection:	IP 40
Contacts rating:	16(4)A/250V~ 6(1)A/400V~
Nominal impulsive voltage:	4 Kv
Type of action:	1B
Earthing method:	Bolt
Cables to be used for electrical connections:	T140
Degree of pollution:	2

Dimensional Drawings

TS 3030

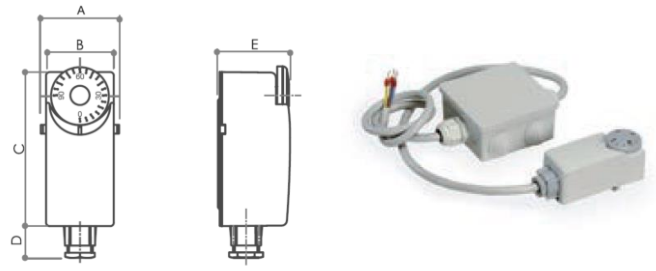
Bimetallic contact safety thermostat



Code	Size	A	B	C	D	E
69011230	-	45	38	88	18	42

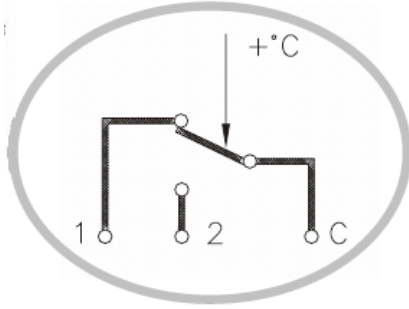
TS 3032

Bimetallic contact safety thermostat, pre-wired, normally closed.



Code	Size	A	B	C	D	E
69011232	-	45	38	88	18	42

Electrical Connections



Connections

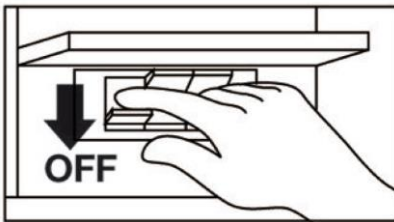
Terminal C: phase;

Terminal 1: opens the circuit when the temperature increases;

Terminal 2: closes the circuit when the temperature increases.

Generally, in heating systems the electric appliance is connected to terminals C and 1 of the thermostat.

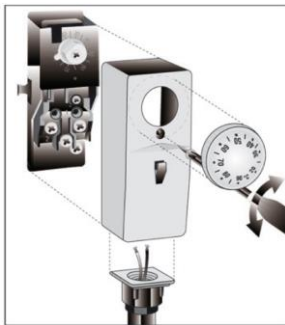
Working Instructions



SAFETY INSTRUCTIONS

Before connecting the thermostat, make sure that the supply voltage to the LOAD to be controlled (boiler, pump, etc.) is NOT connected and that the voltage corresponds to the one indicated inside the device.

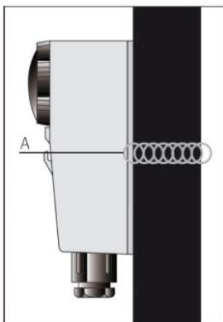
Furthermore, make sure that the load is compatible with the voltage of contacts.



INSTALLATION

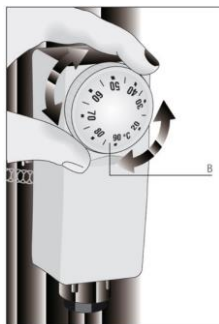
WARNING: the operations described below must be carried out only by qualified personnel or the installer, taking care to scrupulously respect the safety rules and the current provisions of the law.

- Open the lid of the product by removing first the adjustment knob and then the screw under it.
- Take the system's cables through the conduit and connect them to the terminals.
- Fasten the lid back onto the product by means of the screw and place the adjustment knob back.



- Fasten the thermostat to the pipe with the specific accessory supplied with the product.

A = Spring



TEMPERATURE SETTING

B = Temperature adjustment knob

Item Specifications

TS 3030

Encased adjustable contact thermostat Range of adjustment 0-90 °C. Interruption contacts to increase temperature or switchover contacts; contacts rating 16(4) A/250 V; 6(1) A/400 V; degree of protection IP40. Max. temperature of body T85.

TS 3032

Encased adjustable contact thermostat, pre-wired. Range of adjustment 0-90 °C. Interruption contacts to increase temperature or switchover contacts; contacts rating 16(4) A/250 V; 6(1) A/400 V; degree of protection IP40. Max. temperature of body T85.



Luxor S.p.A.

Sede amministrativa, stabilimento e uffici commerciali:

Administrative office, factory and commercial office:

Tel.: 030-9961161 – Fax: 030-9961165

info@luxor.it – www.luxor.it

via Madonnina, 94 – 25018 Montichiari - (BS) Italy

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