

SAFETY THERMOSTAT

Applications

The **te-sa** R-06TC0465C is a contact safety bimetallic thermostat with automatic reset that can be used where it is necessary to put a limit at the water temperature supplied by using pipes or pre-assembled distribution units. The operating mode of the thermostat is very simple because is a mechanical switch that maintain closed the electrical circuit if the detected temperature is below 65°C, and open the electrical circuit when the detected temperature by the sensor is over the threshold of 65°C. After the opening of the circuit, if the temperature of the sensor surface drops below 55°C, automatically the bimetallic internal element close again the electrical circuit and the utilities connected to the thermostat restart. The safety thermostat need to be connected in series on the electrical circuit that manages the water supply controlled (circulation pumps, zone valves, wall mounted boilers, electrical heaters,...)



Assembly of the safety thermostat

The safety thermostat can be easily assembled by screwing the head pin threaded M5x1 on the housing positioned where it is necessary detect the water temperature, normally on the supply of the underfloor heating system.

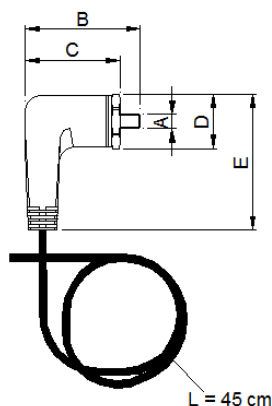
The assembly is made by using a wrench 17 mm, without addition of sealant materials. The positioning of the thermostat it is very important because if the head of the sensor it is not perfectly in contact with the surface, the detected temperature could be lower to the real temperature, therefore the safety of the control is reduced.



Technical Data

- Operating Voltage 230V – 50 Hz
- Suggested maximum electric current passing-through 5A (the thermostat can resist up to 16A but when the current increases the work cycles are reduced)
- Number of cycles life 100.000
- Degree of electrical protection IP67
- Intervention Temperature 65°C ± 3°C (at this temperature the internal switch open the electrical circuit)
- Reset temperature 55°C ± 3°C (at this temperature the internal switch close the electrical circuit that remain in this condition up to the Intervention Temperature)
- Quick connection of the cable two-wire to the sensor element
- Cable length 45 cm
- Fast assembly on the surface to be protected by using the M5x1 threaded pin

Dimensions



Art.	A	B	C	D	E
R-06TC0465C	M5x1	40	35	20	47