



Installation Instructions for Room Thermostats

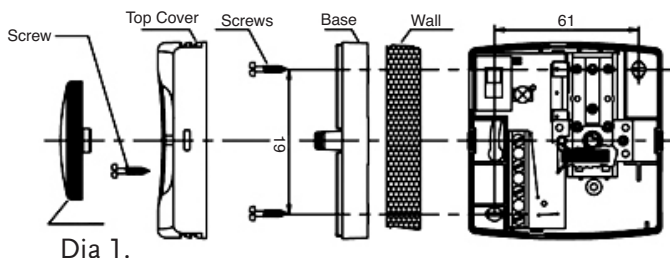
Model Number: TH90, TH90F & TH90C

For the correct working and safety reasons these thermostats must be installed and used according to the instructions. The thermostats are mainly suitable for heating and air conditioning installations. The thermostats have been tested in compliance with the european standards for safety.

Important: This product should be installed by a competent person and in accordance with the current IEE Wiring Regulations. If in doubt consult a qualified electrician.

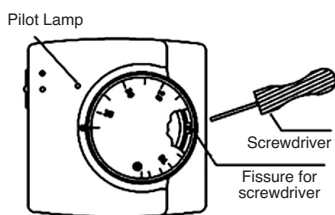
INSTALLATION

The room thermostats can be installed directly on the wall by means of screws securing the holes of the thermostats base after the removing the knob and the cover (see Dia 1.).



To remove the knob.

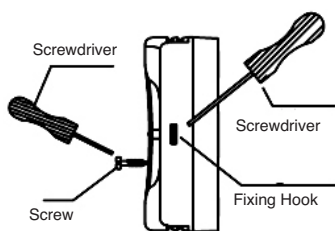
Turn the knob to the maximum position. Insert a blade of a screwdriver in the fissure between the knob and the top cover. Use the screwdriver as a lever to remove the knob see Dia 2.



Dia 2.

To remove the top cover.

Remove the screw on the top cover. Press slightly with a screwdriver blade on the fixing hook. See Dia 3.



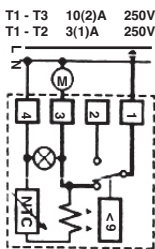
Dia 3.

We recommend to install the room thermostat at the height of approx 1.5m from the ground. away from any heat sources and avoiding humid and polluted environments.

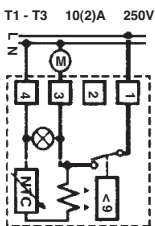
CONNECTION

Before proceeding with electrical connection disconnect mains. The electrical connection is ensured by the means of screw terminals. Max cable diameter 2.5mm².

The thermostats are equipped with an accelerating resistance which must be connected to the mains in order to ensure the indicated control performances. Terminal 4 should therefore be connected to neutral according to the wiring diagram. This connection will also allow the pilot lamp to light up to indicate that the unit is operating. See wiring diagram 4.



TH90C & TH90F - With changeover contact (SPDT)

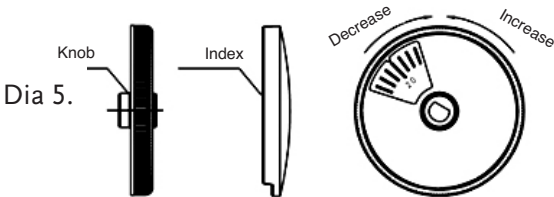


TH90 - With normally closed contact (SPST)

Dia 4.

CONDITIONS OF USE

Temperature scale adjustment (if required). Proceed as follows to obtain an accurate indication of the room temperature, approximately two days after the installation measure the room temperature with a thermometer. Compare the difference between the temperature reading on the thermometer and the temperature indicated by the knob index, remove the knob and the knob base. Turn the base clockwise (to decrease) or anticlockwise (to increase) in order to eliminate any difference in temperature between the thermometer reading and the knob index. One notch = 1°C (See Dia 5.). Replace the knob base first and then the knob.



Dia 5.

TECHNICAL DATA

Temperature Range:	5°/15°C 5°/35°C
Temperature Differential:	<1°C
Max Operating Temp:	50°C
Storage Temperature:	-30 / 70°C
Number of Cycles:	200,000
Electrical Values of opening:	10(2)A 250V
Electrical Values of closing:	Version TH90C/F 3(1)A 250V
Degree of Protection:	IP20
Type of disconnection:	Micro disconnection (Single pole)

GUARANTEE

Your KingShield Room Thermostats are guaranteed for 12 months from the date of purchase. This does not affect your statutory rights.

PLEASE KEEP THESE INSTRUCTIONS SAFE FOR FUTURE REFERENCE

