

TAMPER PROOF THERMOSTAT TECHNICAL DATA

TIODIA003 Tamper proof Thermostat



PRODUCTS FOR THE BUILT ENVIRONMENT



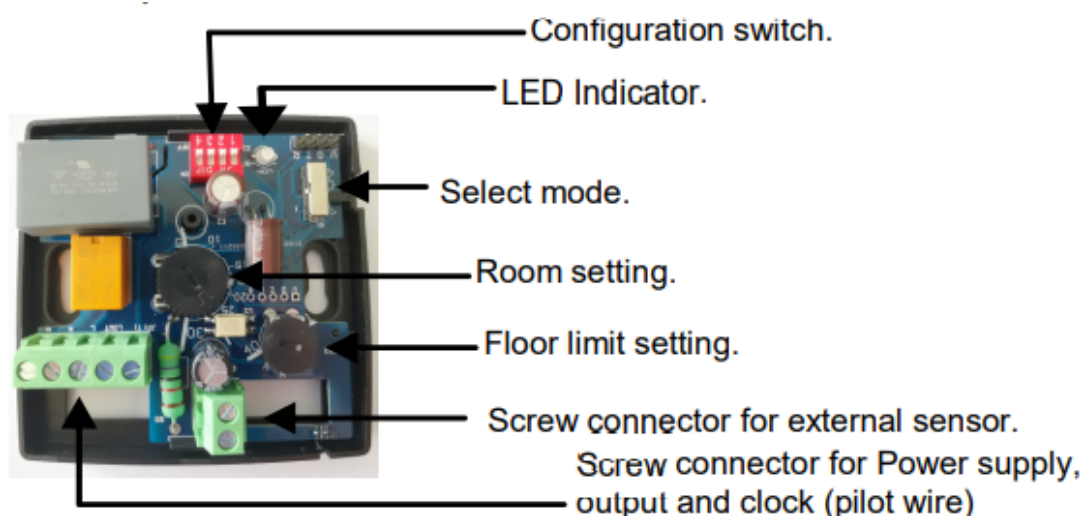
www.tioclimate solutions.co.uk

TIODIAOO3

Electronic thermostat with night reduction mode for water floor heating systems controlled by Actuators



- External pilot wire for night reduction, equipped with a switch to select comfort, reduction or clock mode.
- Possibility to regulate either the floor or room temperature, or combined (in this case, the floor sensor is used as temperature limiter)
- Relay output, to be connected directly to actuators (see connecting drawing on the installation sheet) or to our Modular connecting system. (In this case please refer to the connecting box datasheet)



CONFIGURATION SWITCH



LED INDICATOR

Red: Heating indication

Green: reduction mode by clock (pilot wire)

Orange: Heating during reduction mode by clock (pilot wire)

Red blinking:

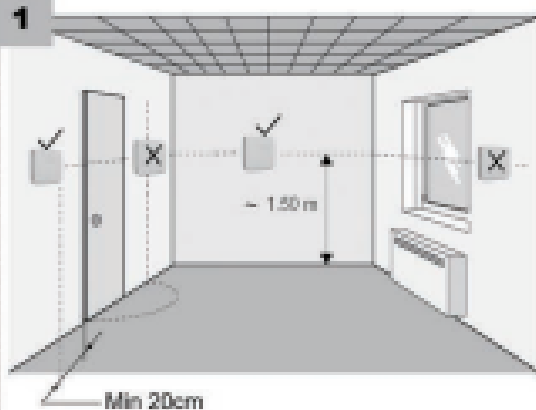
- 0.5 second cycle => Internal & external sensor failures
- 1 second cycle => Internal sensor failure
- 2 seconds cycle => External sensor failure

Actuator type 1	
ON	NO actuator
OFF	NC Actuator
Regulation mode 2	
ON	Proportional
OFF	Static differential
Sensor mode 3&4	
3 – OFF 4 – OFF	Regulation on internal room
3 – OFF 4 – ON	Regulation on external probe
3 – ON 4 – OFF	Regulation on internal room sensor with lower limit floor on ext. probe
3 – ON 4 – ON	Regulation on internal room sensor with upper limit floor on ext. probe

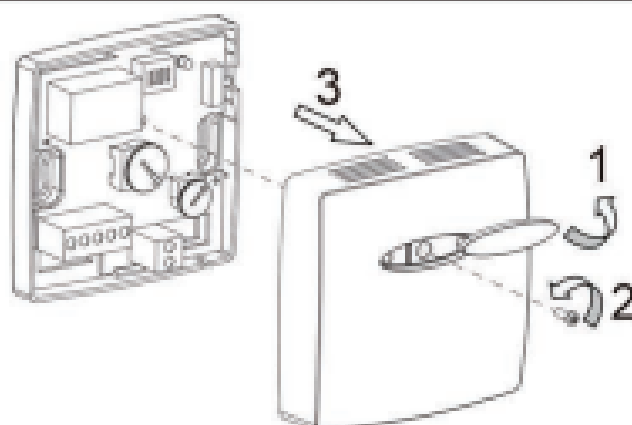
TECHNICAL CHARACTERISTICS

Measured temperature precision	0.1°C
Operating temperature	0°C - 50°C
Setting temperature range	5°C – 30°C
Floor limiting temperature range	10°C – 40°C
Regulation characteristics	Proportional band 10min for 2°C or Static differential 0.5°C
Electrical Protection	Class II - IP30
Power Supply	230 VAC +/- 10%
Output	Relay output 230VAC,200W max
External Floor sensor	NTC (10K Ohms) 3m

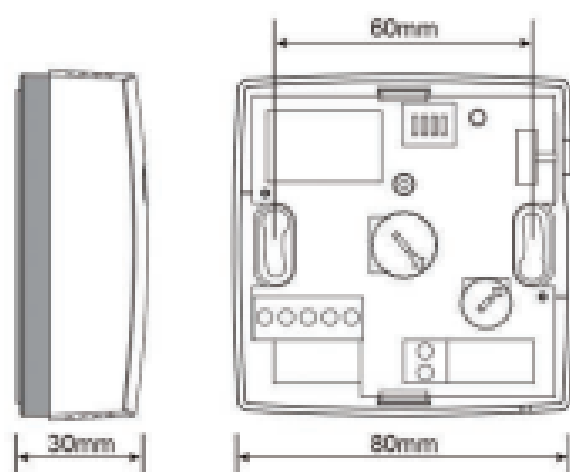
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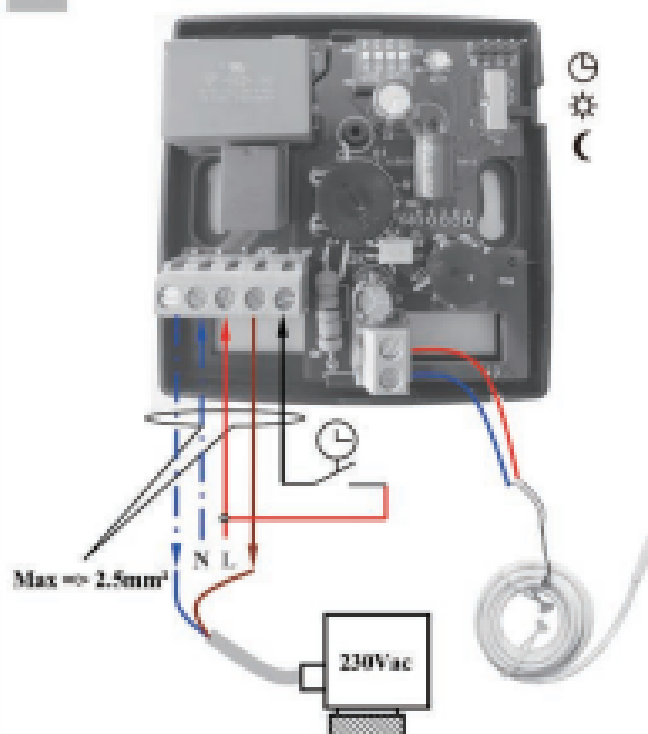
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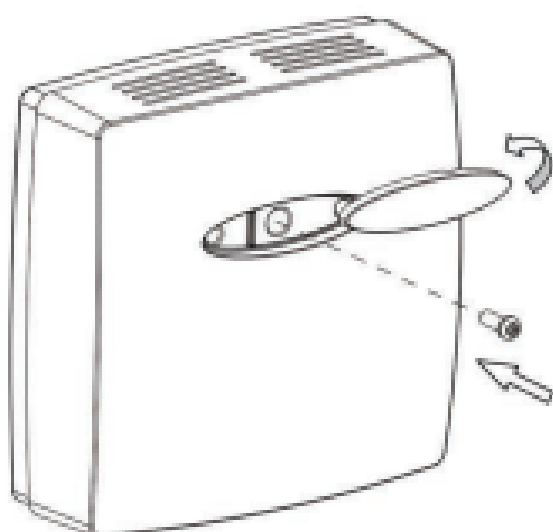
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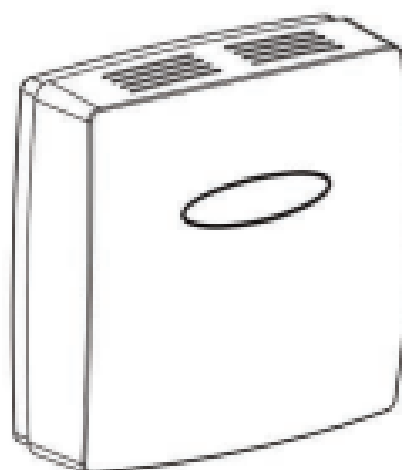
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