



# TM1-50

## Electronic room thermostat

TM1-50 is a one-step electronic room thermostat for controlling heating or cooling.

- Supply voltage 230 V AC
- Change-over contact for control of heating or cooling
- Contact rating 16 A, 230 V

TM1-50 is an electronic room thermostat for wall mounting. The thermostat has settable hysteresis and a change-over relay output. It is connected to supply voltage 230 V AC.

### External sensor

An external sensor can be connected if the thermostat cannot be mounted at a representative location. Contact Regin for choice of sensor.

### Setpoint

The setpoint is set by means of the knob on the side of the thermostat. In order to eliminate the risk of tampering, the setpoint knob can be locked by means of a locking screw under the cover.

### Settable hysteresis

The thermostat is made for heating and cooling applications and switches ON at the setpoint value. The output switches OFF when the room temperature drops to the temperature level of the setpoint minus the hysteresis. For example, if the setpoint value is 35°C and the hysteresis is 5 K, the relay switches on at 35°C and off at 30°C.

- Input for external sensor
- Settable hysteresis 1...10 K
- Setpoint knob (20...50°C) can be locked

### Mounting

The cover of the thermostat is held by a snap catch which is opened by depressing the locking torque in the bottom edge using a screwdriver. The screw pockets have a c:c of 60 mm to enable mounting over an inset wallbox.

### Applications

TM1-50 is suitable for controlling cooling coils, fan heaters, fans, DX-cooling, solenoid valves, fan coils etc., and especially for control of ventilation fans in lift motor rooms and transformer rooms where adjustable hysteresis is often specified.

## Technical data

|                     |                             |
|---------------------|-----------------------------|
| Supply voltage      | 230 V AC +/-15%, 50...60 Hz |
| Power consumption   | 1 W                         |
| Ambient temperature | 0...50°C                    |
| Storage temperature | -40...+50°C                 |
| Ambient humidity    | Max 90% RH                  |
| Protection class    | IP20                        |



This product conforms with the requirements of European EMC standards CENELEC EN 61000-6-1 and EN 61000-6-3, European LVD standard IEC 60 730-2 9 and carries the CE mark.

## Input

External sensor Only for Regin's NTC-sensors. Contact Regin for choice of sensor.

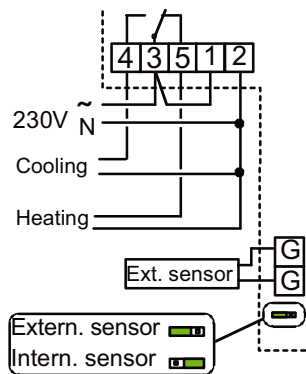
## Output

Relay One change-over contact 230 V AC, 16 A, potential free

## Settings

Setpoint 20...50°C  
Hysteresis 1...10 K

## Wiring



## Dimensions

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