ZONE CONTROLS

Thermostats

Electronic tamperproof room thermostat with 'call for heat' LED and remote sensor options

- Versions for 230V ~ and 24V ~ operation with switching load up to 5 (1) amps.
- Internal dial inside tool removable casing to prevent unauthorised adjustment
- Red LED light shows when thermostat is calling for heat
- Internal dial operated temperature settings from 6°C to 30°C
- Optional remote sensors – enables thermostat use in bathroom applications
- Wall mounted thermostat in elegant white design, only 85mm wide x 85mm high x 31mm deep
- Accurate temperature control for maximum comfort – differential 0.5^{o}C

Electronic tamperproof room thermostat 230V Emmeti Sales Code U9 132 070
Electronic tamperproof room thermostat 24V Emmeti Sales Code U9 132 080

General Data

Dimensions: Height 85mm, Width 85mm, Depth 31mm
Electrical rating: 230v ~ 50Hz, 5(1)A SPDT relay
Power consumption: 7w
Operating temperature range: $6^{o}C$ to $30^{o}C$ in $2^{o}C$ intervals
Temperature differential: $0.5^{o}C$
Internal Sensor: NTC 4.7 kOhms
Enclosure: Double insulated, IP30
Colour: Signal White – RAL9003
Working temperature range: $0^{o}C$ to $40^{o}C$
Humidity range: 20% to 80% RH non condensing
Case material: ABS, self extinguishing VO
Weight: 0.135 kg
Approvals: Compliant with EC Directives: 89/336, 73/23 & 93/68

Installation Requirements

Please ensure that the electrical wiring of the installation and connections to and from the thermostat are in accordance with BS 7671, the latest edition of the IEE Wiring Regulations.
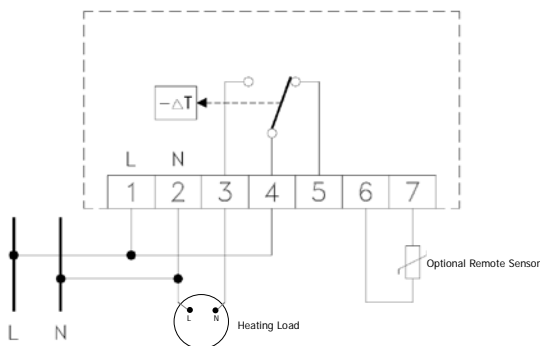
The thermostat has been designed for fixed wiring only. Cable access is through the rear of the mounting backplate as shown below:

The backplate can be secured either to a flat vertical mounting surface or to a single gang flush mounted wiring box: the fixing centres are shown below.

The thermostat should be positioned about 1.5m from floor level and must avoid being positioned near draughts, sources of heat or cold or direct sunlight.
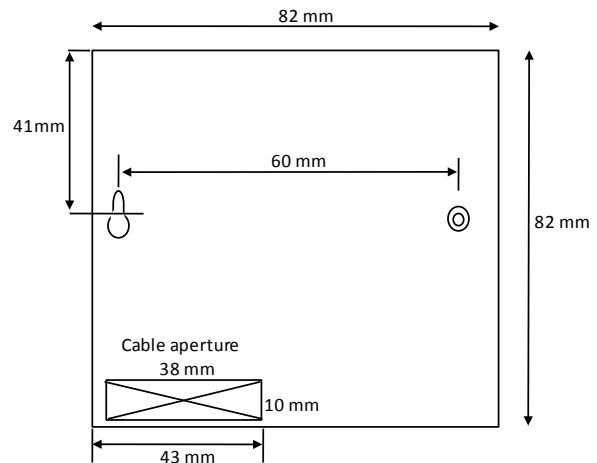
Full installation instructions are enclosed with each product and can be obtained from Emmeti UK at the address below

Wiring

- Live supply – terminal 1
- Neutral – terminal 2
- Volt free relay contacts:
    - Common – terminal 4
    - Normally open – terminal 5
    - Normally closed – terminal 3
    - Remote Sensor* – terminals 6 & 7

* - remove link adjacent to sensor on PCB when fitting remote sensor

---

Optional Remote Sensors for use with Electronic Tamperproof Room Thermostats U9 132 070/U9 132 080

Emmeti UK sales code – U9 132 012

- Wall mounted remote sensor in elegant white design to match the room thermostat
- Simple to install - connects using standard wiring to thermostat terminals*
- Suitable for use in bathrooms: no adjustment and extra low voltage
- IP 30 rated enclosure
  * Cable of at least $1.5mm^{2}$ conductors must be used to connect the thermostat to the remote sensor

Emmeti UK sales code – U9 132 011

- 1.5m lead sensor designed for concealed applications
- Simple to install connects directly to thermostat terminals
- Suitable for use in bathrooms: no adjustment and extra low voltage
- IP65 enclosed probe for additional sensor protection