

EPH CURVE Room thermostat - heating-cooling sequence

For flexible individual-room control in residential and commercial premises. Temperature control of air-conditioning systems (fan-coil). Suitable for thermal drives, motorised valves, ventilators or cooling equipment in air-conditioning systems. Housing 86 x 86 mm of pure-white (RAL 9010), flame-retardant thermoplastic (fire class as per UL94 VO). Setpoint adjuster with scale of 5...35°C or -5...15°C. Suitable for mounting onto walls or recessed junction boxes. Cable inlet at rear. Screw terminals (for wire of max. 2.5mm²).



CM2



CM3



CMF



CMT

Type	Operating mode	Power	Weight [kg]
CM2	Heating-cooling room thermostat	230 V~	0.11
CM3	Heating-cooling room thermostat with light	230 V~	0.11
CMF	Frost thermostat with light	230 V~	0.11
CMT	Heating-cooling tamperproof room thermostat	230 V~	0.11

	CM2	CM3	CMF	CMT
Contact	SPDT	SPDT	SPST	SPDT
Lockable range	•	•	•	•
Heat anticipator		•	•	
Indicator light		•	•	
Setting range	5...35°C	5...35°C	-5...15°C	5...35°C

Power supply	± 10 %, 50Hz	Dead time	Time constant
Switch rating	10(3) A, 230 V~	2 min	20 min
Protection class	II (IEC 60536)	moving (0.2 m/s)	1 min15 min
Degree of protection	IP 20 (EN 60529)	Ambient temperature	0...60 °C

Important

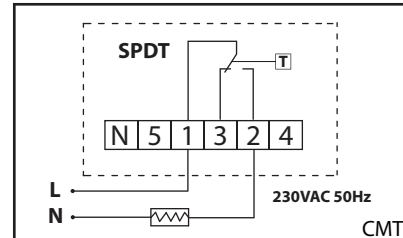
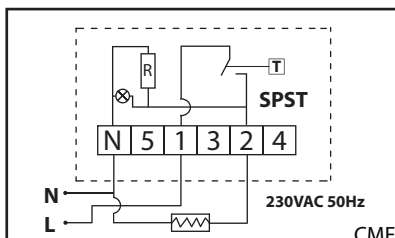
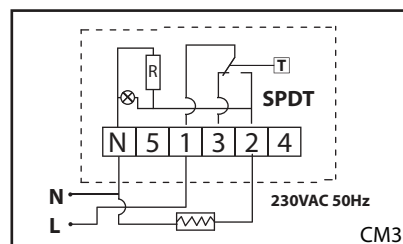
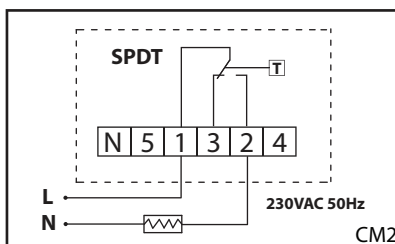
Installation must be carried out by a trained service engineer.
Disconnect the power supply before beginning installation.

Location

To ensure accurate control of your heating system, the room thermostat must be located in a position with good air circulation in an average temperature area. The thermostat should be mounted about 1.5M above the floor. Do not position the thermostat in a draughty area, near hot or cold pipes or in areas of direct radiant heat from the sun.

Operation

The room temperature is measured using an internal gas filled sensor and then compared with the setpoint. An electric switching relay is operated in relation to the temperature deviation. When the setpoint has been reached, the switch moves to the mid-position ('OFF'). The controller's operating points are determined by the setpoint.



CM_ - Mains Operated Room Thermostat

CM2 - Room Thermostat
CM3 - Room Thermostat with Light
CMF - Frost Thermostat with Light
CMT - Tamperproof Room Thermostat

For use in normal environments.

CURVE



Before commencing any work on the electrical connections, you must first disconnect the device from the mains. None of the 230V connections must be live until the installation has been completed and the housing is closed. Only qualified electricians or authorised service staff are permitted to open the terminal box.



Caution! There are parts that carry mains voltage behind the cover. The terminal box must not be left unsupervised when open. (Prevent non specialists and especially children from gaining access to it.)



If this device is used in a way not specified by the manufacturer, it's safety may be impaired.

This thermostat can be mounted in the following ways:

1. To a recessed conduit box
2. To a surface mounted box
3. Directly mounted on wall

Installation and connection should only be carried out by a qualified person and in accordance with national wiring regulations.

