Datasheet

CM Room Thermostats

Important: Keep this document

The image above is a CM2S thermostat. The design of other products in the CM range may vary.

CAUTION! Installation and connection should only be carried out by a qualified person.

- Only qualified electricians or authorised service staff are permitted to open the thermostat.
- If the thermostat is used in a way not specified by the manufacturer, its safety may be impaired.
- Before commencing installation, the thermostat must be first disconnected from the mains.
- If this equipment is installed or used in a way not specified by the manufacturer, its safety may be impaired.

Description

The room temperature is measured using an internal gas filled sensor and then compared with the set point. When the set point is above the room temperature, there is a call for heat and the thermostat switches out on terminal 2. When the set point is below the room temperature, there is no call for heat and the thermostat switches out on terminal 1.

Information

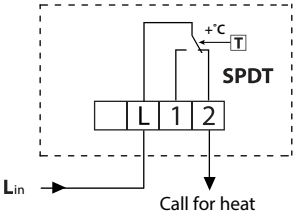
PRODUCT CODE	DESCRIPTION	LIGHT	ON / OFF SWITCH	SWITCH RATING
CM2	Heating-Cooling Room Thermostat	-	-	230 & 24V~, 10(3)A
CM3	Heating-Cooling Room Thermostat	Yes	-	230V~, 10(3)A
CMF	Frost Room Thermostat	Yes	-	230V~, 10(3)A
CMT	Heating-Cooling Tamperproof Room Thermostat	-	-	230 & 24V~, 10(3)A
CM2S	Heating-Cooling Room Thermostat	-	Yes	230 & 24V~, 10(3)A
CM3S	Heating-Cooling Room Thermostat	Yes	Yes	230V~, 10(3)A

Specification

POWER SUPPLY	230V~, 50Hz, ± 10%	ADMISSIBLE HUMIDITY	5-95%RH
PROTECTION CLASS	II (IEC 60536)	SWITCHING DIFFERENTIAL	± 1˚C
DEGREE OF PROTECTION	IP20 (EN 60529)	POLLUTION DEGREE	2
AMBIENT TEMPERATURE	0 ... 50˚C	TEMPERATURE SENSOR	Gas filled
WEIGHT (KG)	0.11 approx.		

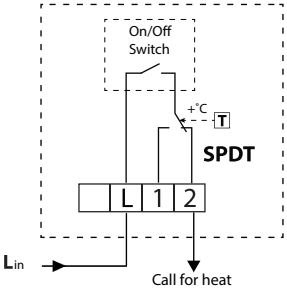
Heating-Cooling Room Thermostat

Product Code	CM2
Temperature Range	5 ... 35˚C
Contact	SPDT
Lockable Range	Yes
Heat Anticipator	No



24VAC / 230VAC 50Hz

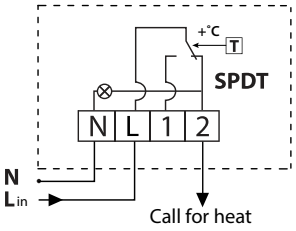
Product Code	CM2S
Temperature Range	5 ... 35˚C
Contact	SPDT
Lockable Range	Yes
Heat Anticipator	No



24VAC / 230 VAC 50Hz

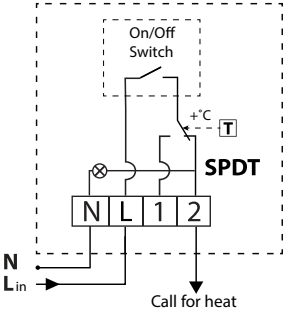
Heating-Cooling Room Thermostat with Light

Product Code	CM3
Temperature Range	5 ... 35˚C
Contact	SPDT
Lockable Range	Yes
Heat Anticipator	Yes



230VAC 50Hz

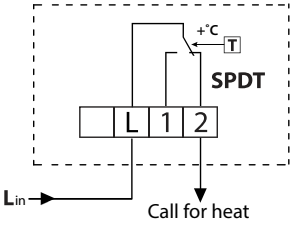
Product Code	CM3S
Temperature Range	5 ... 35˚C
Contact	SPDT
Lockable Range	Yes
Heat Anticipator	Yes



230VAC 50Hz

Heating-Cooling Tamperproof Room Thermostat

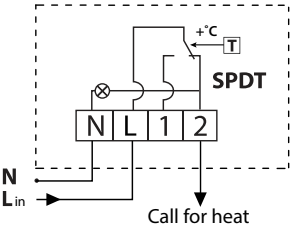
Product Code	CMT
Temperature Range	5 ... 35˚C
Contact	SPDT
Lockable Range	Yes
Heat Anticipator	No



24VAC / 230VAC 50Hz

Frost Room Thermostat with Light

Product Code	CMF
Temperature Range	-5 ...15˚C
Contact	SPDT
Lockable Range	Yes
Heat Anticipator	Yes



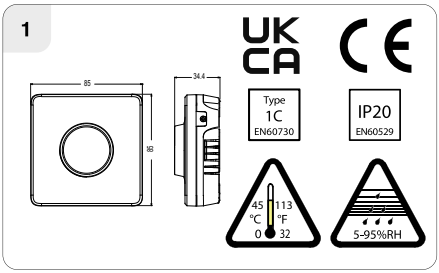
230VAC 50Hz

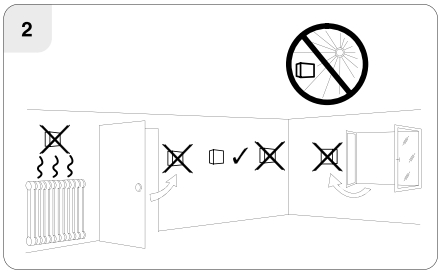
IMPORTANT

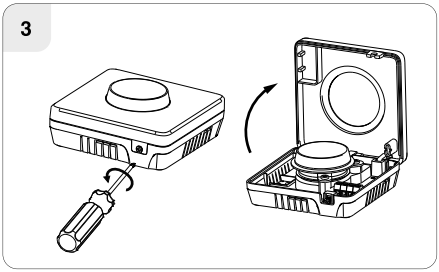
- Wiring diagrams above are shown for heating applications.
- Keep this document.

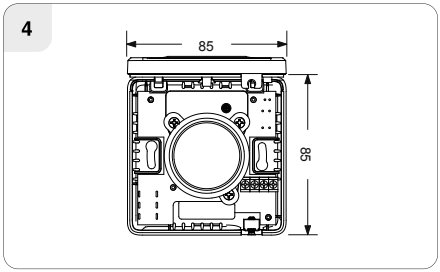
Installation

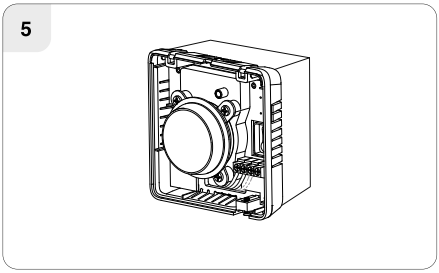
1) Remove the thermostat from its packaging.
2) Choose a mounting location so that the thermostat can measure the room temperature as accurately as possible.
   - Mount the thermostat 1.5 metres above the floor level.
   - Prevent direct exposure to sunlight or other heating / cooling sources.
3) Use a philips screwdriver to loosen the screw on the bottom of the thermostat to open the front housing.
4) Screw the backplate onto a back box or directly to the surface.
5) Wire the thermostat according to the wiring diagrams on pages 2 & 3.
6) Close the front housing and tighten the screw on the bottom of the thermostat.

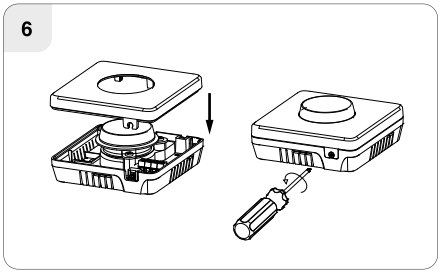












The crossed out wheelie bin symbol on this product indicates that this product must not be disposed of in your general waste. It can be taken to your Local Authority Civic Amenity site for free or returned to your retailer for free when you are buying a replacement. Inappropriate waste handling could lead to negative effects on the environment and human health. With your cooperation you contribute to the correct disposal, reuse, recycling and recovery of the components of this product and the protection of the environment.

20220110_CM__DS_JW

EPH CONTROLS

EPH Controls IE

T 021 434 6238
sales@ephcontrols.com
www.ephcontrols.com

EPH Controls UK

T 01933 626 396
sales@ephcontrols.co.uk
www.ephcontrols.co.uk