

Data Sheet

Electronic Room Thermostat

Description

Electronic room thermostats are typically used in conjunction with a boiler and wall hung radiator heating systems. However, they can also be used in other heating systems such as floor heating , where reference room temperature is used to switch the heat source either directly or via zone valves.



Functions

By setting the desired room temperature, optimal thermal comfort in the room is achieved. The thermostat setting also includes a frost protect setting allowing for minimal energy consumption while avoiding damage from freezing temperatures and a standby/off position.

When a temperature is chosen a green LED confirms that the device is powered and operational. The LED turns red when there is a demand for heat and the output relay is on

By the help of programming function it has full heating schedule control. A schedule can be set to suit the user's heating demands, this can significantly reduce the cost of heating the home by only heating the building when necessary.

Thermostat can be set to 5-2Day schedule or 24Hr depending on user preference. If required, the schedule can be deactivated, and the device can be used manually like a room thermostat. 4 event times can be selected (2 heating periods) for morning and evening.

Clock in 12-hour or 24 hour format.

Black frame , LCD touch screen display.

Temperature sensitivity +/- 0,1 C .

Ordering

Product	Type	Installation	Supply Voltage	Ordering Code
Electronic room thermostat	On/Off	inwall	230 VAC	OLG1801
Electronic room thermostat	On/Off	inwall	230 VAC wifi	OLG1801W

Operating guide

1* Power on/off press the  key to turn on/off the thermostat

2* Press the  key to switch between manuel and automatic modes.

3* In the automatic mode⁺, press the  key or  key to adjust the temperature , and it will enter the automatic mode , which only turns for a while .

4* Press the  key to enter the clock setting , press the  mode key to switch the setting options , and press the  and  keys to adjust the each parameter.

5* Simultaneously press and hold the  key and  keys for 5 seconds to add or cancel the child lock.

6*WIFI link : When the thermostat is turned on , press and hold the  button 5 or 8 seconds , the WIFI icon flushes on the thermostat display , and the thermostat enters the code matching state.

Technical data

Power supply	V	230 VAC
Temperature sensor		NTC
Display screen		LCD - touch
Display temperature range	C	0-51 C
Temperature sensitivity	C	+/- 0,1 C
Temperature setting	C	5- 50 C
Working environment	C	-5 - 50 C
Self consumption power	W	< 1W
Load current	A	16A

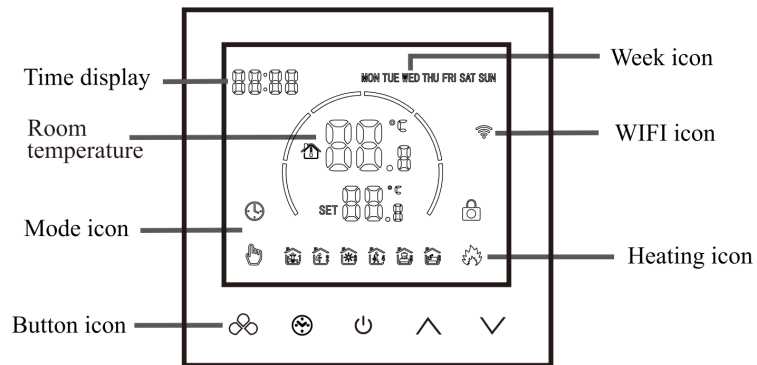
Advanced option setting (changing parameters)

In the shutdown state , press the   keys. Press for 5 seconds to enter advanced option setting.

Press the  key to enter the next option , then press the   keys to adjust options , and press the  key to exit the advanced option setting mode.

01	Temperature compensation	Default -2 C , range -9,9 C ...9,9 C
02	Sensor selection	Default IN , IN : internal sensor , ALL : all internal sensor , OUT : external sensors
03	Limit temperature value modification	Default 60 C , adjustable between 35 - 60 C
04	Temperature difference setting	Default 1C , adjustable between 0,1 - 10 C
05	Antifreeze function	Default OFF , can be activated
06	Rest day selection and closing week programming	5-Two day weekend , 6 - Single day off 7-No rest OFF - Turn of programming
07	Main and auxiliary reverse selection (optional)	Default 00 , 00 - main reversal , 01 - auxiliary
08	Backlight brightness	00 -Turn off the backlight , 01 - Micro-light 02- Medium brightness , 03- Backlight highlight
09	Set temperature upper limit	Default 60 C , adjustable 15- 95 C
10	Reset	Default display is “-,” , press ^ key to display “ - - - ,” and then press enter key to restore factory settings.
11	Sound	ON : Turn on the sound , OFF : Turn off the sound

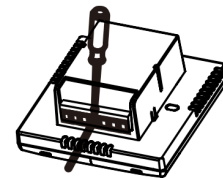
Icon description



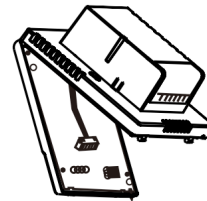
Installation

Mechanical

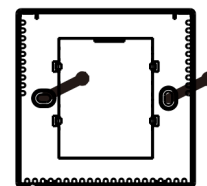
1* Connect the wiring box according to the wiring diagram



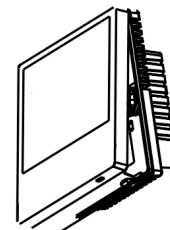
2* Separate the power supply from the control board cable.



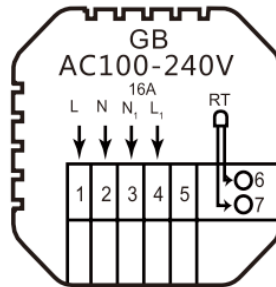
3* Screw the power supply into the box of 86.



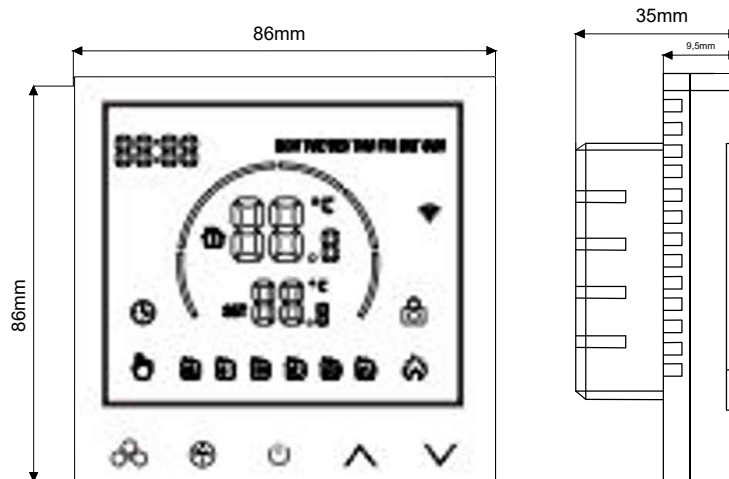
4* Connect the power board to the control board line and align the buckle at 30 degrees to complete the installation.



Electrical wiring diagram



Dimensions



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