



Digital room thermostat
for underfloor heating

Mycond ORB

Operating instruction



INTRODUCTION

The ORB thermostat by Mycond will neatly fit into almost any interior, enabling you to control heating in your rooms with maximum comfort.

With the integrated Weekly Programming mode, you can easily configure the heating on/off schedule based on your daily routine, which will help you considerably cut your costs on heating. The ORB thermostat by Mycond features a large screen with backlighting and large font, as well as touch buttons with smart backlighting. All of this makes the thermostat easy to operate.

Please follow the instructions given in this manual to ensure trouble-free operation of the thermostat and the entire system for many years.

CAUTION!

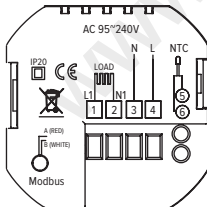
Exceedance of maximum load current or voltage may lead to the unit malfunction.

If power supply circuits of the thermostat and thermocouple are routed near load circuits or other power circuits, electromagnetic interference may affect the measuring part of the unit, resulting in the unit malfunction.

THERMOSTAT SPECIFICATIONS

Power supply	95-240 V AC, 50-60 Hz
Load current	16 A
Measurement accuracy	$\pm 0.5\text{ }^{\circ}\text{C}$
Temperature control range	5-35 $^{\circ}\text{C}$
Ambient temperature	0-45 $^{\circ}\text{C}$
Ambient humidity	5-95 %
Power consumption	< 1.5 W
Error	< 1 %
Body material	Fire-resistant plastic (PC + ABS)
Installation box	60 mm
IP rating	30
Warranty operating life	12 months

THERMOSTAT CONNECTION



THERMOSTAT INSTALLATION

This thermostat shall be mounted into a standard 60 mm installation box.

1. Remove the installation plate as shown in Fig. 1.
2. Connect the power source by connecting the load to the appropriate terminals (Fig. 2).
3. Mount the installation plate on the wall using the supplied screws (Fig. 3).
4. Attach the thermostat body to the installation plate (Fig. 4).
5. The installation is completed.



Fig. 1

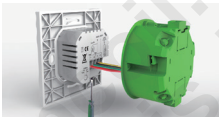


Fig. 2

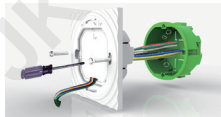


Fig. 3



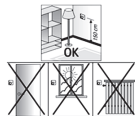
Fig. 4



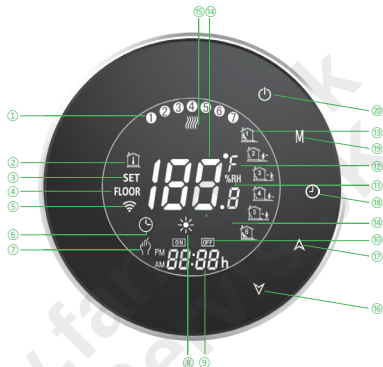
Fig. 5

THERMOSTAT LOCATION

Keep the thermostat away from heat sources (such as radiators, sunlight, etc.), as well as doors / windows. Installation height above the floor shall be about 1.5 m.



The equipment shall be installed and connected by a qualified specialist, otherwise the equipment or the heating system may be damaged. Always power the system off before connection to the mains.



- | | |
|----------------------|------------------------------|
| 1. Days of the week | 11. Humidity |
| 2. Room temperature | 12. °C or °F |
| 3. Set temperature | 13. Intervals (1 to 6) |
| 4. Floor temperature | 14. Room temperature display |
| 5. Wi-Fi | 15. Heating on |
| 6. Programmable mode | 16. Down button |
| 7. Manual mode | 17. Up button |
| 8. Heating on | 18. Time Setting button |
| 9. Time display | 19. Mode Change button |
| 10. On/off time | 20. On/Off button |

TOUCH BUTTONS

On / Off

Touch  to start / stop the thermostat operation.

Temperature setting

Press **A** and  to set the temperature you want to maintain in the room.

Setting the time and the day of the week

When setting the time, press  to select the minutes / hours / days of the week. Press **A** and  to change the value, and press  once more to save the settings.

Locking the control buttons

Press **A**, and then press  to lock the screen. To unlock the screen, press **A** followed by  again, and hold the buttons.

Mode change

Touch **M** to switch between the manual mode and the automatic mode.

Checking the floor sensor temperature

Press and hold  for 5 seconds to display the temperature detected by the floor sensor.

PROGRAMMABLE MODE

The automatic mode consists of 2 different blocks. The first one includes days No. 1, 2, 3, 4, and 5 (that is, Monday, Tuesday, Wednesday, Thursday, and Friday), and the second one includes days No. 6 and 7 (that is, Saturday and Sunday).

For each program block, you can configure heating on time and heating off time, as well as the heating temperature during the given period. Each block is divided into 3 intervals, that is, morning, afternoon and evening.

PROGRAMMABLE MODE SETTING

The thermostat supports 6 heating intervals. You can set six time intervals and six temperature levels.

Schedule adjustment/setting is only possible in the programmable mode.

Press  four times, until “1 2 3 4 5” digits (indicating week days) appear on top of the screen.

Press **A** and  to set the first interval. Press , and set the time by pressing **A** and . Press , and set the temperature by pressing **A** and . Repeat the same steps for intervals No. 2, 3, 4, 5, and 6.

Press  and repeat the previous steps to complete settings for days No. 6 and 7 (weekends).

Default schedule settings in the programmable mode

Interval	Week days (Mon – Fri)		Weekends (Sat – Sun)	
	TIME	TEMP.	TIME	TEMP.
Interval 1 (Comfort)	06:00	20 °C	06:00	20 °C
Interval 2 (Power Saving)	08:00	15 °C	08:00	20 °C
Interval 3 (Comfort)	11:30	15 °C	11:30	20 °C
Interval 4 (Power Saving)	13:30	15 °C	13:30	20 °C
Interval 5 (Comfort)	17:00	22 °C	17:00	15 °C
Interval 6 (Power Saving)	22:00	15 °C	22:00	15 °C

FUNCTION AND OPTION SETTINGS

When the power is off, press and hold **M** and **⏻** for 5 seconds to enter the function setting menu. After that, press **M** to choose between the available functions, and press **A** or **▼** to change the available options. All the settings will be confirmed automatically.

No.	Function	Value	Default
1	Temperature compensation	-9 to + 9 °C (for the internal sensor)	-2
2	Dead band temperature	0 to 5 °C	1
3	Lock	00 = All the buttons except for the power button are locked 01 = All the buttons are locked	01
4	Sensor types	00 = Internal sensor (for temperature control or limitation) 01 = External sensor (for temperature control or limitation) 02 = Both internal and external sensors (internal sensor for temperature control, external sensor for temperature limitation)	02
5	Display backlighting time	1-60 seconds	3
6	Maximum set temperature	15 to 35 °C	35
7	12/24-hour format	00 = 12 hours 01 = 24 hours	01
8	Display mode	00 = Display both the set temperature and the room temperature 01 = Only display the set temperature	00
9	Low temperature protection setting	0 to 15 °C	0
A	High temperature protection setting	10 to 70 °C	45
B	Restoring factory settings	00 = User settings 01 = Restore factory settings	00

WARRANTY CARD

Model number	Purchase date	
Serial number	Name, address and phone number of the Buyer	
Name and registered address of the Seller	Seller's signature	Seller's stamp