



Digital room thermostat
for fan coil units

Mycond ORB (Wi-Fi)

Operating instruction





Scan the QR code
to download the Mycond
mobile app

INTRODUCTION

The ORB thermostat by Mycond will neatly fit into 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.

Using a programmable thermostat with a Wi-Fi feature to control the underfloor heating system, you can reduce the energy costs by at least 30% thanks to precise settings and individual operation schedule.

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



CAUTION!

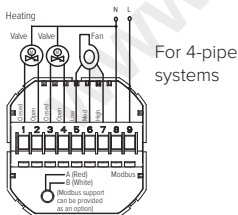
Exceedance of maximum load current or voltage may lead to the unit malfunction.

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		
Fan relay amplifier resistance	5 A	Inductive	3 A
Valve relay amplifier resistance	3 A	Inductive	1 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 (polycarbonate + ABS)		
Installation box	60 mm		
IP rating	20		
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 thermostat to the power source via 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.

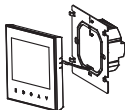


Fig. 1

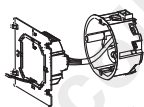


Fig. 2

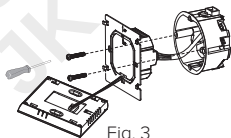


Fig. 3

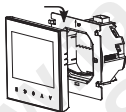


Fig. 4

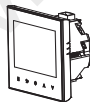
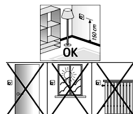


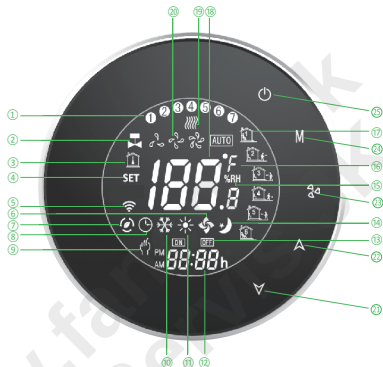
Fig. 5

THERMOSTAT LOCATION

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



The equipment must be installed and connected by a qualified specialist, otherwise you can damage the thermostat or the heating system. Always power the system off before connecting the thermostat to the mains.



- | | | |
|------------------------|------------------------------|------------------------------|
| 1. Days of the week | 10. Cooling mode | 19. Heating on |
| 2. Valve open | 11. Heating mode | 20. Fan speed |
| 3. Room temperature | 12. Time display | 21. Down button |
| 4. Temperature setting | 13. On/off time | 22. Up button |
| 5. Wi-Fi connection | 14. Sleep mode | 23. Fan Speed Control button |
| 6. Ventilation mode | 15. Humidity | 24. Mode Change button |
| 7. Power saving | 16. °C or °F | 25. On/Off button |
| 8. Programmable mode | 17. Intervals | |
| 9. Manual mode | 18. Room temperature display | |

TOUCH BUTTONS

On/Off

Touch  to switch the thermostat on/off.

Switching between the Manual / Programmable modes

Press and hold **M**, until  icon starts flashing. Press **M**;  icon will start flashing. Press **A** and  to select the manual or programmable mode.

Temperature setting

Press **A** and  in the manual mode to set the temperature.  icon will be displayed in the left corner of the screen.

Thermostat lock

Press and hold **A** and  for 5 seconds to lock or unlock the thermostat.

Selecting the system operation mode

Press **M** to select the system operation mode, i.e. HEATING, COOLING, or VENTILATION. In the VENTILATION mode, the valve is closed, but the fan is operating,

Fan speed setting

Press  to select the fan speed (AUTO, HIGH, MED, or LOW).

Time adjustment / setting

Press and hold **M**, until  icon starts flashing. Press **M**;  icon will start flashing. Press **A** and **▼** to select the manual or programmable mode.

Press **M** to set the minutes. Then, press **M** to go to hour settings. Press **M** again to set the day of the week. The settings will be saved automatically in a few seconds.

Weekly mode programming

Press **M** to set the weekly operation program. After that, press **M** to change various parameters, and press **A** or **▼** to set the respective values.

This thermostat supports six heating and cooling intervals per day. These include three Comfort intervals No. 1, 3 and 5 (with a certain temperature maintained when there are people in the room), and three Power Saving intervals No. 2, 4 and 6 (with a certain temperature maintained when there is no one in the room). You can individually set both temperature and time for each interval and day of the week.

You can only set/adjust the schedule in the programming mode. To switch between the manual mode and the programming mode, press **M** (Mode). In the manual mode, button  will be displayed in the left top part of the screen. Press the button **M** four times to enter settings of the week day schedule (digits “1 2 3 4 5” will be displayed on top of the screen).

Press **A** and **▼** to set the time of the first interval (Comfort). Press **M**, and then set the required temperature for the first interval by pressing **A** and **▼**. Repeat the above steps for the other 5 intervals.

Press **M** to go back to settings of the week day schedule (digits “6 7” will be displayed on the screen). Repeat the same steps to configure the weekend schedule. Press **M** again to confirm and exit the settings.

Default settings of the programmable schedule

Interval	Week days (Mon – Fri) ("1 2 3 4 5" on the screen)		Weekend (Sat) ("6" on the screen)		Weekend (Sun) ("7" on the screen)	
	TIME	TEMP.	TIME	TEMP.	TIME	TEMP.
Interval 1	06:00	20 °C	06:00	20 °C	06:00	20 °C
Interval 2	08:00	15 °C	08:00	20 °C	08:00	20 °C
Interval 3	11:30	15 °C	11:30	20 °C	11:30	20 °C
Interval 4	13:30	15 °C	13:30	20 °C	13:30	20 °C
Interval 5	17:00	22 °C	17:00	20 °C	17:00	20 °C
Interval 6	22:00	15 °C	22:00	15 °C	22:00	15 °C

FUNCTION AND OPTION SETTINGS

When the unit is off, simultaneously press **M** and **3** to go to the system functions. After that, press **M** to change the value.
All the settings will be confirmed automatically once the power is on.

No.	Function	Value	Default
1	Temperature compensation	-7 to +7 °C	-2
2	Fan control	00 = When the indoor temperature reaches the set value, the fan will stop. 01 = When the indoor temperature reaches the set value, the fan will switch to the low speed.	00
3	Lock	00 = All the buttons except for the power button are locked 01 = All the buttons are locked	01
4	Heating / Cooling	00 = Cooling only 01 = Heating / Cooling	01
5	Minimum set temperature	5-15 °C	05
6	Maximum set temperature	5-35 °C	35
7	Display mode	00 = Display both the set temperature and the room temperature 01 = Only display the set temperature	00
8	12/24-hour time format	00 = 12 hours 01 = 24 hours	01
9	Power saving mode	00 = Non-power saving mode 01 = Power saving mode	00
A	Power saving heating temperature	10-30 °C	20
B	Power saving cooling temperature	10-30 °C	26
C	Standby brightness	3-99	04

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