



Digital room thermostat
for fan coil units

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!

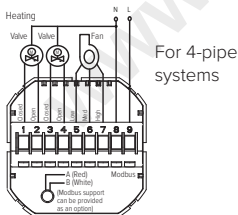
Exceedance of maximum load current or voltage may lead to the unit malfunction.

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		
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 (PC + ABS)		
Installation box	60 mm		
IP rating	30		
Warranty operating life	24 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.

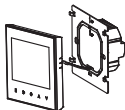


Fig. 1

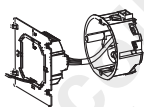


Fig. 2

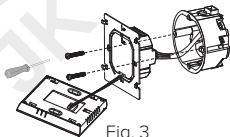


Fig. 3

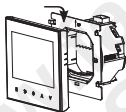


Fig. 4

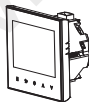
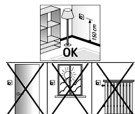


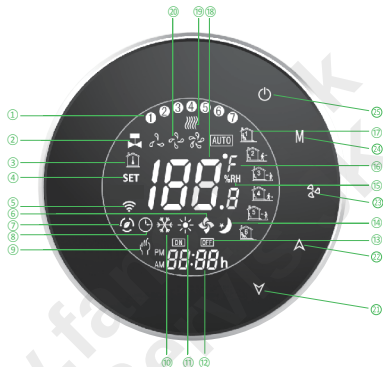
Fig. 5

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 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 | 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 that will be displayed on the left of  the screen.

Thermostat lock

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

Choosing the system operation mode

Press **M** to switch between the system operation modes, i.e. HEATING, COOLING, and 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, LOW).

Time adjustment / setting

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

Press **M** to set the minutes. 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.

Setting the weekly program mode

Press **M** to set the weekly operation program. Then, press **M** to change various items. 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 is someone in the room), and three Power Saving intervals No. 2, 4 and 6 (with a certain temperature maintained when the room is empty). 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 programmable mode, press **M** (Mode). In the manual mode, the  icon will be displayed in the left bottom part of the screen. Press **M** four times, until settings of the week day schedule appear on the screen (that is, “1 2 3 4 5” digits will be displayed on top of the screen).

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

Press **M** to return to the weekly schedule settings (“6” and “7” digits will be displayed along the screen). Repeat the same steps to configure the weekend schedule. Press **M** again to confirm and exit the settings.

Default schedule settings in the programmable mode

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	-9 to +9 °C	-2
2	Fan control	00 = When the room temperature reaches the set value, the fan will stop. 01 = When the room 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	10
6	Maximum set temperature	15-45 °C	30
7	Display mode	00 = Display both the set temperature and the room temperature 01 = Only display the set temperature	00
8	12/24-hour format	00 = 12 hours 01 = 24 hours	01
9	Dead band temperature	0 to 5 °C	1
A	Power saving mode	00 = Non-power saving mode 01 = Power saving mode	00
B	Power saving temperature	10-20 °C	20
C	Standby brightness	01-60	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