



Digital room thermostat for fan coil units

Block by Mycond

Operating instruction



INTRODUCTION

The Block 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 Block 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 easier to operate.

Using a programmable thermostat with a Wi-Fi feature to control the fan coil units, 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!

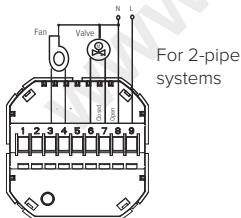
Exceedance of maximum load current or voltage may lead to the unit malfunction.

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	24 V DC		
Resistance of fan relay amplifiers		-----	
Resistance of valve relay amplifiers	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 V		
Error	< 1 %		
Housing material	fire-resistant plastic (polycarbonate + ABS)		
Mounting socket box	60 mm		
IP protection class	20		
Warranty period of operation	12 months		
Batch number	rev. 2307-02		

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.

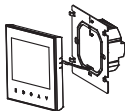


Fig. 1

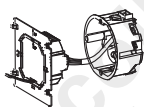


Fig. 2

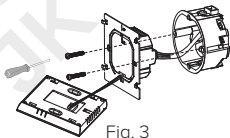


Fig. 3

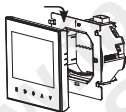


Fig. 4

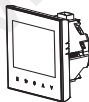
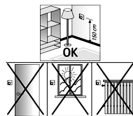


Fig. 5

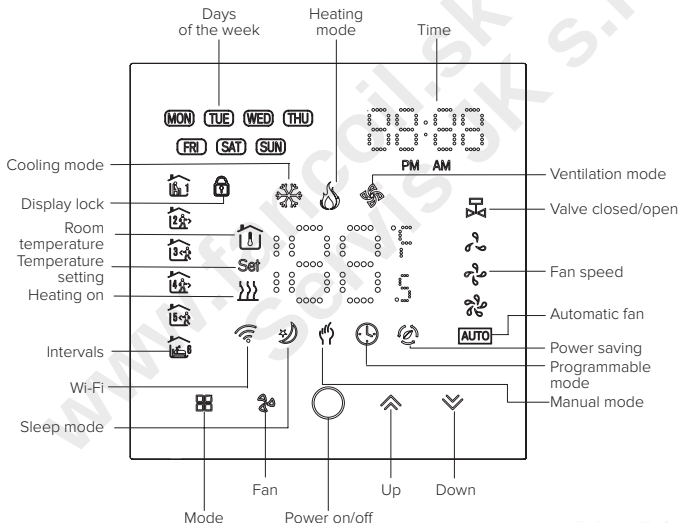
THERMOSTAT LOCATION

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.

Indications on the display



TOUCH BUTTONS

On/Off

Touch  to switch the thermostat on/off.

Switching between the Manual / Programmable modes

Press and hold  until  icon starts flashing. Press  to select the manual mode, and then press  to select weekly programming.

Temperature setting

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

Thermostat lock

Press and hold  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 , until  icon starts flashing.

Press  and then set minutes, hours and day of the week (1 = Monday, 2 = Tuesday, etc.) with   buttons. After 3 seconds, the set values will be confirmed automatically.

Weekly mode programming

Press  to set the weekly operation program. After that, press  to change various parameters, and press  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  (Mode). In the manual mode,  button will be displayed in the left top part of the screen. Press the button  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  and  to set the time of the first interval (Comfort). Press  and then set the required temperature for the first interval by pressing  and . Repeat the above steps for the other 5 intervals. Press  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  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  and  to go to the system functions. After that, press  to change the value.

All the settings will be confirmed automatically once the power is on.

No	Function	Meaning	On request
1	Adjusting the sensor	-9°C to 9°C	-3
2	Fan control	00: When the room temperature reaches the set point, the fan will switch off 01: When the room temperature reaches set point, the fan will return to low speed	0
3	Locking	00: all buttons except the power button are locked 01: all buttons are locked	1
4	Heating/Cooling	00: heating only 01: heating/cooling	1
5	Minimum temperature for setting	5 to 15 °C	5
6	Maximum temperature for setting	15 to 35 °C	35
7	12/24 hour format	00: 12 hours 01: 24 hours	1
8	Display mode	00: Display of set and room temperature 01: Display of set temperature only	0
9	Energy saving mode	00: No power saving mode 01: Power saving mode	0
0A	Heating temperature in energy saving mode	10 to 30 °C	20
0b	Cooling temperature in energy saving mode	10 to 30 °C	26
0c	Daytime display brightness	From 0 to 8	1
0d	Nighttime display brightness	From 0 to 8	1
0e	Minimum speed	From 0 to 10	3
0f	Average speed	From 0 to 10	6
10	Maximum speed	From 0 to 10	9
11	The value of P	From 1 to 10	5
12	The value of I	from 1 to 60 seconds	5
13	Firmware version		U1

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