

Thermostat

HD-T02

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Installation instructions

Thermostat HD-T02 for electric heating

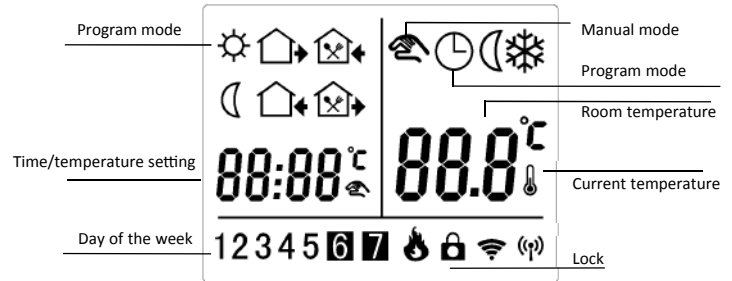
1. General information:

The HD-T02 digital thermostat is designed to control and regulate interiors' electric heating systems. The thermostat enables comfortable regulation of the room and floor temperatures. The thermostat is equipped with an integrated space (air) temperature sensor and an external NTC floor temperature sensor, which can be connected via a cable. Both the room temperature and the floor temperature can be set together or independently. There are programs for weekly cycles and there are up to six modes available for each day. A manual mode is also available for constant temperature settings. The integrated backup battery ensures that your settings are saved in the thermostat's memory in case of a long power outage.

Parameters :

Tension: 230VAC, 50/60HZ Current	Current load : I _{max} 16A
Consumption: <1W Change	Temperature sensor : NTC
Temperature: 0,1 °C	Room temperature setting range: 5° C~35°C
Floor temperature regulation: 5~95 °C (external sensor)	Hysteresis : ±1°C
Setting a safe floor temperature: 5-60 °C (3Lit)	Operating temperature : -5~50°C
Degree of protection : IP20	Integrated backup battery

Display description:



2. Function :

The thermostat has three regulation modes :

- Manual mode:** Manual temperature setting.
- Program mode:** Automatic temperature changes according to the specified time modes (six-time modes per day), for more information read below.
- Connected mode:** In program mode, press to switch the thermostat to manual mode. In the manual mode, the thermostat will automatically switch to the programmable mode when the next period comes.

- Awakening (a.m), time mode 1
- Departure in the morning (a.m), time mode 2
- Arrival in the morning (a.m), time mode 3
- Departure in the afternoon (p.m), time mode 4
- Arrival in the afternoon (p.m), time mode 5
- Night (p.m), time mode 6

- Button lock:** press simultaneously and hold for 5 seconds to activate the lock. To deactivate the lock, press and hold buttons for 5 seconds.
- Heating symbol:** Means that the heating is on.
- Anti-freeze symbol :** Appears when this function is on.

Button functions :

- Power supply :** on/off.
 - Changing the regulation mode:** Switching between Manual and Programmable mode.
 - Hours/time:** To change the time display on the thermostat, press and select the change. By pressing again you toggle the Minutes – Hours – Days change option
- Use to change time and days After finishing the changes, wait 10 seconds and the thermostat will automatically save the changes made
- Up, to increase values and parameters or change the time mode of the thermostat.
- Down, to reduce values and parameters or change the time mode of the thermostat.
- With the power on, press the button together with for 5 seconds to enter weekly programming mode.
- Press after setting all parameters, move to the next step of changes using the buttons Editing of each parameter is automatically saved after 10 seconds.

Options	Time mode	Symbol	Time	Changes	Temp.	Changes	
	Working days	1		06:00		21°C	
		2		08:00		18°C	
		3		11:30		21°C	
		4		12:30		18°C	
		5		17:00		22°C	
		6		22:00		19°C	
	Weekend	1		08:00		22°C	
		2		23:00		19°C	

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3. More advanced thermostat settings:

With the thermostat off, hold down the buttons and for 5 seconds to activate the advanced settings menu. The serial number and parameters of the thermostat will appear on the display. By press the buttons and to make changes. Press to go to the next setting (see a table with setting symbol changes). Confirm the changes with the button to store it in memory.

Symbol	Description of changes	Factory settings	Scope and choice of changes
1Adj	Hysteresis of the internal temperature sensor	-2	-9°C ~ +9°C
2Sen	Active temperature sensor	In	In: Integrated sensor in the thermostat (checks and blocks temperatures) OU: External temperature sensor (checks and blocks temperatures) AL: Integrated sensor floors
3Lit	Maximum floor temperature blocking setting.	50.0	5~60°C (Recommended maximum temperature for coverings such as Vinyl and Laminate approx. 28-34°C, check with the manufacturer)
4dif	Range of temperature change On / Off heating	1	1~5°C
5Ltp	Anti-freeze mode	OFF	On Off
6PRG	Weekly/weekend program options	12345	Weekend 2 days - Sat/Sun: 12345 will be displayed One day off - Sunday: 123456 will be displayed No days off: 1234567 will be displayed
7Hif	Temperature lock	45	35~95°C
AFRC	Factory reset	-	Press '' and hold for min. 5 seconds as it appears '- - -' The factory setting was performed

Notice: If you use a thermostat to regulate the electric floor heating, change the level of blocking of the maximum floor temperature according to the recommendations of the manufacturer of the final walking surface (settings in the table - 3Lit). The pre-set protective floor temperature is 50 from the factory

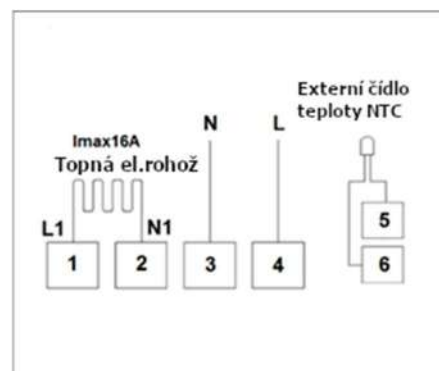
4. Installing the thermostat:

 <p>Move the rear metal frame downwards to separate it from the front panel of the thermostat.</p>	 <p>Disconnect the front panel power from the rear unit plug</p>	 <p>Connect the power wires of the thermostat and the heating mats incl. External sensor to the rear part of the thermostat according to the circuit diagram.</p>
 <p>Place the connected rear part of the thermostat in the installation box in the wall and screw it</p>	 <p>Reconnect the front panel power to the back of the thermostat</p>	 <p>Slide the front panel of the thermostat back onto the rear fixed metal frame.</p>

Sensor error display

Check if you have selected the correct temperature sensor from the advanced settings. If the thermostat detects an error, the display will show ERO or ER1, which means there is an error in the setting or external connection sensors. ERO = integrated room temperature sensor error, ER1 = external temperature sensor error. The thermostat with this error will not work until it is removed!

Diagram



The thermostat should be installed by an experienced electrician. Please make sure that no water, mud or other debris gets into the thermostat, as this may cause damage to the devices.

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