

Description of icons and buttons on LCD display

SNOWFLAKE - frost protection function on

HAND - When displayed and flashing - manual mode

3 waves: HEATING

6 time periods: house: Morning, Leave, Lunch, Leave2, Return, Night

CHILD LOCK (by pressing **CLOCK** for >7 s, you deactivate it and vice versa)

TEMPERATURE IN THE ROOM (ROOM TEMP)

TEMPERATURE IN THE FLOOR (OUT TEMP)

25.5 °C TEMPERATURE IN THE ROOM; or of the floor, if only the floor sensor is on

DAY OF THE WEEK - TUE: Tuesday...

TIME

SET TEMP: The set temperature in the current time period

CLOCK button, **MENU** button, **ON / OFF** button, **ARROW** button

Wi-Fi icon does not flash - the thermostat is coupled and ready to be controlled by a mobile.

Pre-setting: Displej Moon™ WiFi - LCD touch screen thermostat with weekly program

It controls floor heating and other heating systems with 7-day intervals and 6 periods of the program regulation. The models have an NTC sensor for ambient temperature and floor temperature detection, and they perform checking by setpoint comparison. Manual mode, time weekly program and temporary manual mode can be switched anytime by pressing the relevant buttons. Frost protection function will be active when the ambient temperature drops under 5 °C in order to prevent water pipe freezing in the premises. It can control other heating types: electrical, or gas boiler, ball valve, electrically-actuated valve, thermal valve, solenoid, heating foil...

Features

LCD touch screen: When touched, with back-light and dual mode displaying temperature and time

Option to set 6 time periods

External and internal temperature sensors are available to choose from.

Display accuracy of the room temperature is 0.5. Inner accuracy is 0.1°C.

Room temperature setting according to the requirement

Power-off memory function

Room temperature automatic calibration function

Technical data

Power supply: AC 200 – 240 V, 50/60 Hz

I Max: 16 A

Accuracy: ± 0.5 °C

Temperature range setting: 5 °C – 60 °C

Sensor: floor, room, or both

External temperature sensor: NTC

Limit temperature range of the NTC sensor: 5 °C – 99 °C

Consumption: < 0.3 W

Size: 86 x 86 x 17 mm (H x W x D)

Description of the buttons

No.	Icon	By pressing CLOCK icon for >7 seconds the child lock is deactivated and vice versa.
1		ON / OFF
2		MENU button: Modes include manual, automatic and temporary manual modes.
3		CLOCK button - time setting: hours, minutes, weeks/days of the week By pressing CLOCK for >7 seconds you activate the child lock and vice versa.
4		ARROW up: Higher temperature setting; ARROW up - increases the programmable parameter.
5		ARROW down: Lower temperature setting; ARROW down - decreases the programmable parameter.

Time and time interval setting

1) Time setting

Press the button "**CLOCK**", the clock flashes. Press **ARROW** up or **ARROW** down to set the hours. Continue by touching **CLOCK** and set the minutes...and the current day. MON: Monday, TUE: Tuesday, WED: Wednesday, THU: Thursday, FRI: Friday, SAT: Saturday, SUN: Sunday.

2) Automatic mode setting: workdays, temperature, time intervals

Weekly interval for automatic mode: Press **MENU**. With Wi-Fi variant, keep it pressed for longer than 7 seconds. The screen will show **Loop** (workday interval setting). The screen will display days "MON...FRI" (the interval from Monday to Friday, press **ARROW up**, it will show "MON...SAT" (the interval from Monday to Saturday); press **ARROW up** twice, the screen will show "MON...SUN" (the interval of workdays - Monday to Sunday).

Time and temperature setting for interval in automatic mode: After you have set the weekly interval "MON...FRI" or "MON...SAT" or "MON...SUN", press **MENU** (for >7s). The set temperature flashes. Adjust it by **ARROW** up or down. Then press **CLOCK** to enter the setting of the first time, time interval. Adjust it by **ARROW** up or down. Continue by pressing **MENU**; use **ARROWS** to set the required temperature of the following interval. Then press **CLOCK** to enter the setting of the second time, time interval. And carry on with setting in this way...









Note: If it is necessary to temporarily change the temperature in the automatic mode, press **ARROW** up or down to adjust the temperature. With the next change the thermostat will come back to the automatic mode and "**HAND**" icon will disappear.

Adjustment of the time interval setting (shortcut)

Press **MENU** (for >7s) and again **MENU** and then **CLOCK**. Adjust the time interval by **ARROWS**. First **MENU**, then **CLOCK**, and adjust the time interval by **ARROWS**. And so on... The periods must not overlap each other. You must keep 6 periods.

Temperature adjustment in the time interval (shortcut)

Press **MENU** (for >7s) and again **MENU**. Adjust the temperature by **ARROWS**. Press **MENU** and adjust the time interval by **ARROWS**...

Period		Icon	The set time of the period	The set temperature of the period	
Workday	1		06:00	20 °C	If you set the temperature to "00", this time interval will be off.
	2		08:00	15 °C	
	3		11:30	15 °C	If only the floor sensor is on, then the floor temperature is displayed, otherwise the room temp.
	4		12:30	15 °C	
	5		17:30	22 °C	
	6		22:00	15 °C	
Weekend	1		08:00	22 °C	
	2		23:00	15 °C	

Error message ERR

Please, choose the correct working mode of the internal and external sensors. If the sensor is selected incorrectly or it is faulty (failure), the LCD will show "ERR" and the thermostat will interrupt the heating until the failure is eliminated. Sensor extension: With hot water heating, select 1.5 – 2.5 mm² firm/stable cables; with electric heating, select firm cables, thicker than 2.5 mm².

Note: If the external sensor temperature exceeds the permitted value of the limit temperature, the thermostat will not switch the relay - the heating will not be on. But if the temperature is lower than the set value, HEATING icon will be displayed, but the thermostat will not switch the relay.

Advanced setting Usually done by technician

The thermostat is off. Press **CLOCK** and then the button **ON / OFF** and enter the advanced setting.


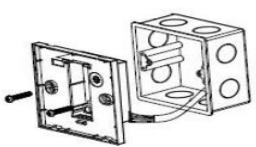
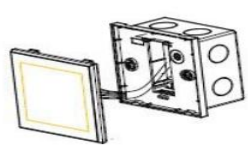
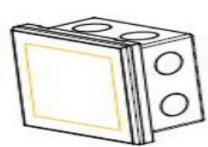
(Old software: With the power on, press and hold the button **MENU** for > 5 seconds to enter the advanced setting.) By pressing **MENU** you will skip to another parameter.

Parameters for electric floor heating

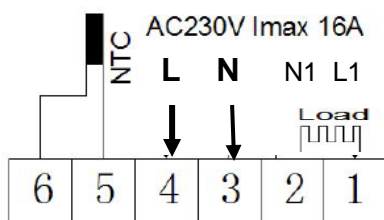
No.	Symbol	Setting item	Parameter setting	Factory setting; if different, set it in this way:
1	SEN	Option to control the sensor	00: internal sensor, 01: external sensor 02: internal and external. Controlled according to the room temperature. External sensor limits the floor temperature.	00: internal sensor (Set to 02)
2	OSU	Limit temperature value of the external sensor:	5 – 99 °C (Set it to 37 °C for electric floor heating with heating cables)	42.0 °C
3	dIF	Limit temperature hysteresis of the external sensor	1 – 9 °C	2.0 °C (Set to 1.0 °C)
4	SUH	Temperature display upper limit setting	5 – 99 °C	35.0 °C
5	SUL	Temperature display lower limit setting	5 – 99 °C	05.0 °C
6	Adj	Temperature calibration with another thermometer	Temperature measuring, checking and calibration	Accuracy 0.1 °C (the current temperature)
7	FrE	Frost protection function	00: frost protection off 01: frost protection on	00: frost protection off
8	Pon	Status memory before the power cut-off	00: Memory not needed 01: Memory is needed. Set to 01!	01: Thermostat status as before the power cut-off
9	Add	For Wi-Fi model only Control by mobile	01 Control by mobile / by application 02-99 Prohibited control by mobile	01
10	FAC	Factory setting	08: display only, no other meaning/symbol 00: Reset to factory setting	08

Installation into round junction box KPR 68 KA

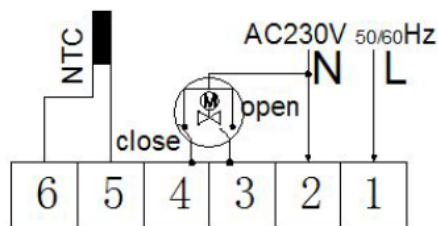
Caution: please, be extremely careful with the correct cable connection according to the wiring diagram. Make sure that no water, mud or any foreign particles will get into the thermostat; otherwise the thermostat may be damaged!

Round junction box KPR 68 KA			
			
1, Manually remove the round display by pulling from the base towards you. Manually remove the base from the back panel by pulling towards you.	2, Connect the back panel and wire into the round box KPR 68 KA connect the wires according to the wiring diagram, fix the rear panel back on the box by a screw	3, Connect the wirings of the back panel and front panel	4, Attach the base to the back panel. Attach the round display on the base, carefully in such a manner that the needle contacts will fall in the holes.

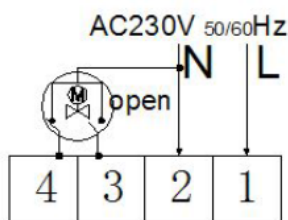
Wiring diagram



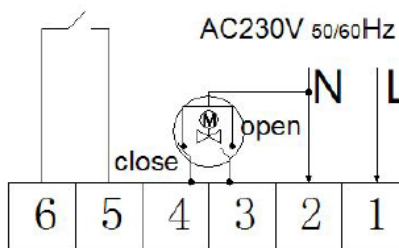
Wiring diagram for electric heating



Hot water heating with external sensor
(Do not connect electrical valve terminal "in the proximity to 4")



Hot water heating without external sensor
(Do not connect electrical valve terminal "in the proximity to 4")



Hot water heating without contact
(Do not connect electrical valve terminal "in the proximity to 4")

Declaration of conformity

issued pursuant to § 1 of Act No. 264/99 Coll. and Government Regulation No. 194/2005 Coll. as amended by Government Regulation No. 318/2007 Coll. and No. 308/2004 Coll. as amended by Government Regulation No. 449/2007 Coll. The name: electronic thermostat Displej Moon WiFi for temperature regulation. Conformity assessment has been performed in accordance with: Government Regulation No. 194/2005 Coll. as amended by Government Regulation No. 318/2007 Coll. on electromagnetic compatibility of devices and Government Regulation No. 308/2004 Coll. as amended by Government Regulation No. 449/2007 Coll. on electric equipment. In conformity assessment regarding the product, there have been the following EU directives used as well as standards followed: EN 60730-1:2011, EN 60730-2-9:2010, EN 61000-3-2:2006+A2:2009, EN 61000-3-3:2008, the Low Voltage Directive 2006/95/EC, Annex 4, the EMC Directive 2004/108/EC, Annex II.

Extended 3-year warranty - Warranty coupon for thermostat Displej Moon™ WiFi Room:

The warranty is null and void, if the installation was not performed in professional way or error occurred by incorrect design, damage, incorrect installation or any other later damage. If we are asked to repair or replace such a unit, all the costs will be charged.

Date of sale / Stamp:	Installation date:	<p>The thermostat must be energised at all times. The warranty is valid only with correctly delivered documents:</p> <ol style="list-style-type: none"> 1. When the Warranty coupon is correctly filled in; 2. Document on purchase: invoice or purchase receipt; 3. Supplier's duty will be to repair or deliver a new unit free of charge to the customer without any other extra costs related to the repair or unit exchange.
Electrician / Distributor:	Name and surname:	
Signature:	Stamp:	