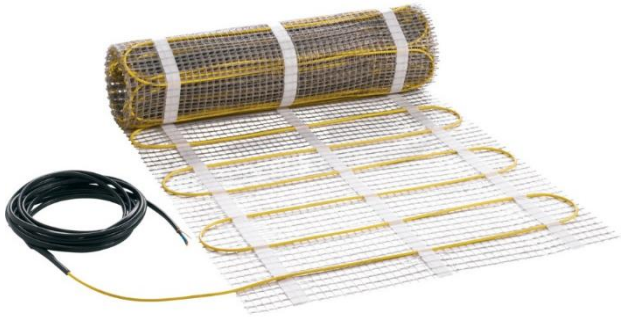
Instamat

eco DESIGN

CE



EL.BEDIENING.23* and -.24*
Manual Underfloor Heating



**) This manual is for the use of the thermostat with an electric underfloor heating from Instamat. For use with an electric radiator, you need "EL.BEDIENING.23 and -.24 Manual Radiator".*

An electric radiator and underfloor heating cannot be used together on one thermostat. If this is applicable in the room, two thermostats are required.

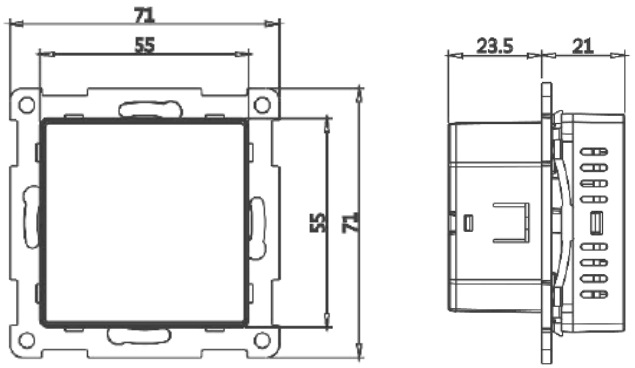
DISPOSAL: This product may NOT be treated as ordinary household waste. It has to be disposed of at proper waste collection sites.

WARNING: Read the instructions carefully before use and keep this manual for future reference

Installation must be carried out by qualified personnel in accordance with legal regulations (where required by law).

Installation must be carried out in accordance with national and/or local electrical codes.

Dimensions



Technical specifications	
Product	Digital thermostat
Appliance	Electric radiator or electric underfloor heating
Version	Class II
IP-code	IP21
Maximum Power	3600 Watt
Power	230 V / 50 Hz
Control	Touchscreen / App
Wi-Fi	Yes, via the Tuya Smart app
Frequency	2.4 Ghz
Programmable	Yes, 7x4 switching times (only with the mobile App)
Temperature selection	+5°C / +30°C
Sensor	Intern and extern
Warranty	2 years
Approval mark	CE

ALWAYS TURN OFF THE ELECTRICITY BEFORE INSTALLING THE THERMOSTAT!

Installing electric underfloor heating

Follow the installation instructions for the electric underfloor heating. You can find these in the packaging of the heating mat.

Installation and connection of underfloor heating and thermostat must be carried out in accordance with the NEN 1010 regulations.

First follow the instructions of the adhesive manufacturer for specifications. The adhesive must be suitable for floors where you use underfloor heating.
Cement generally has a drying time of 1 week per applied cm with a minimum of 3 weeks.

Contents of package;

- Thermostat
- Sensor*

**) When installing with an electric underfloor heating, the sensor must be connected to the thermostat.*

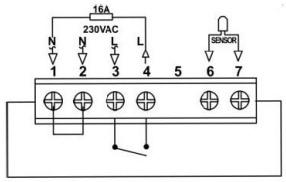
Installation thermostat:

Disassemble the thermostat by pushing a flat screwdriver into the slot on the left and right.

Then carefully pull the front forward and separate the parts.

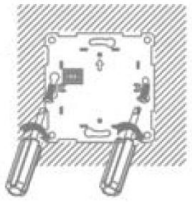


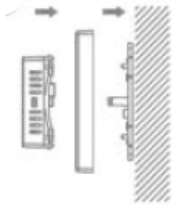




Connect the wires as follows:
Clamp 1= Neutral (N) mat
Clamp 2= Neutral (N) power
Clamp 3= Phase (L) power
Clamp 4= Phase (L) mat
Clamp 5= do not connect
Clamp 6&7= Sensor

Mount the module in a mounting box with the arrow pointing upwards.

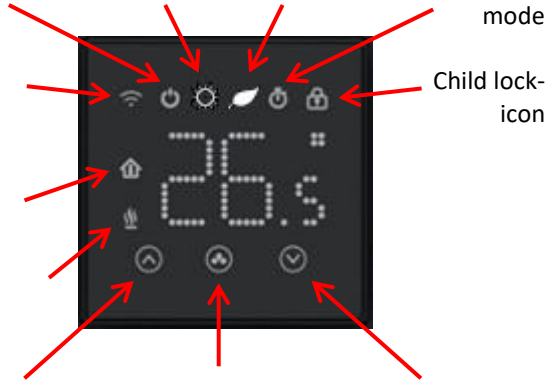




Then replace the frame and click the display back into place.

Turn the electricity back on.

Display:



Standard functions thermostat:

Press the function-key to select one of the different functions:

Icon	Function
⏻	Off.
☼	Manual, the function keeps the room at the set value. The temperature can be changed with the plus and minus keys.
🍃	Eco mode, the function keeps the room at the set value. The temperature can be changed with the plus and minus keys.
⏱	Program, the function follows the settings set in the Smart app. (Wi-Fi)

Wi-Fi-/program function:

See "*Manual Smart app for EL.BEDIENING.23 & -24*".

Advanced thermostat settings:

Here you will find an overview of the menu, the options and the factory settings. Put the thermostat in standby. Press the function key for ≥ 5 sec. You can now press the function-key to navigate through the menu. Settings can be changed with the - and - keys. Mandatory and recommended values for use with electric radiator are marked.

Menu	Setting	Option(s)	Factory setting
01	Temp. calibration for internal sensor	-8°C ~ 8°C	0°C
02	Maximum setpoint	5°C ~ 90°C	35°C
03	Minimum setpoint	5°C ~ 90°C	5°C
04	Sensor selection	0: internal 1: external 2: both	2: both
05	Frost protection	5°C ~ 15°C	5°C
06	Temp. calibration for external sensor	-8°C ~ 8°C	0°C
07	Floor temperature display	Read only	-
08	High temperature protection	20°C ~ 80°C	32°C
09	Switching differential	0°C ~ 3°C	0°C
11	Child lock	0: Off 1: On	0: Off
12	Open window detection (ORD)	0: Off 1: On	0: Off
13	ORD detection time	2 ~ 30 min.	15 min.
14	ORD temperature	2	2°C
15	ORD delay time	10 ~ 60 min.	30 min.
17	Factory reset	0: No 1: Yes	0
18	LED intensity during use	1 ~ 40	40
19	LED intensity in standby	0 ~ 40	1
20-23	Software version	Read only	-
50	External sensor type	6.8K/10K/12K/ 15K/47K/33K	10K
51	System with defective external sensor	0: Stop 1: On-off 2: Always on	0
52	Consumption yesterday	Read only	-
53	Consumption today	Read only	-
54	Total consumption	Read only	-
55	Device power	1 ~ 60 (x 100 Watt)	20 (2000 Watt)
56	Setting cooldown high temperature protection	0°C ~ 5°C	4°C

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