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CONTROLS

WIRELESS ROOM THERMOSTAT KONVEKA INK

INSTALLATION
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PRODUCT DESCRIPTION

The Konveka INK, when used in conjunction with the Konveka INK-C controllers (which communicate wirelessly via radio communication), functions by regulating the heating or cooling in one zone (or room) of a building. This enables the setting of a specific temperature within the zone, delivering enhanced comfort and significant energy savings. Additionally, the Konveka INK measures and displays the relative humidity in the room.

The Konveka INK is primarily utilized in existing heating systems where establishing a wired thermostat connection is not feasible.

FEATURES

- Temperature and relative humidity display
- Heating and cooling mode
- Manual or economy mode
- Frost protection
- Open window detection
- Screen lock
- Adjustable switching differential

TECHNICAL SPECIFICATIONS

Power supply	Rechargeable lithium battery
Battery charging connection	USB-C
Temperature range	5°C ~ 35°C with 0.5°C increments
Temperature accuracy	± 0,5°C
Operating voltage	5V
Communication frequency	868 MHz
Radio signal coverage distance	Up to 120 m
Protection class	IP20
Ambient temperature	0 - 45°C

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Ambient and storage humidity	5 - 95% RH (Non-condensing)
Storage temperature	-10 to 45°C
Dimensions	80 x 80 x 20 mm
Colors	White, Black
Certificates	CE, RoHS

STANDARD SET

Thermostat	1 pc.
Desk stand	1 pc.
Wall bracket	1 pc.
Installation manual	1 pc.
Cardboard box	1 pc.
Fasteners	1 set

DIMENSIONS
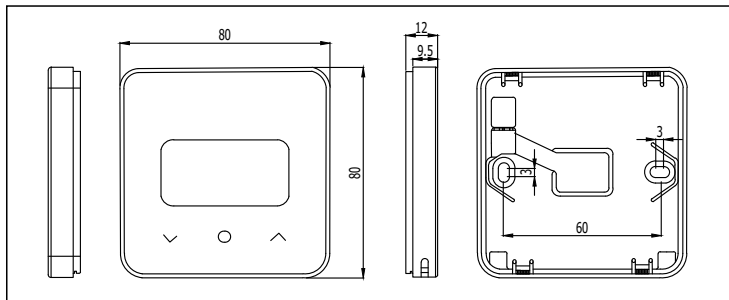
INSTALLATION

Wall Installation

Stand on desk

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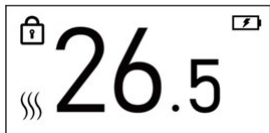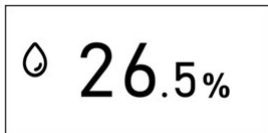CONTROLS
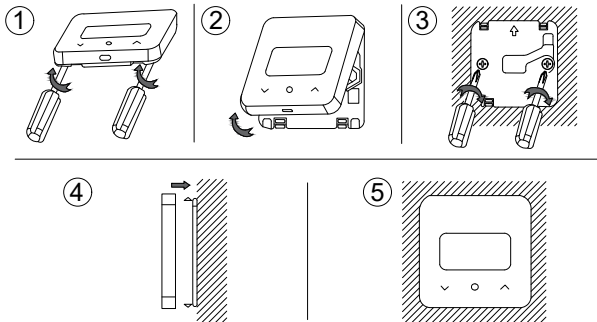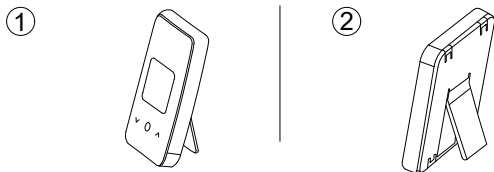
SETTINGS

Relative humidity display. As a default display shows room temperature. To switch to relative humidity, press the **O** button. The display switches back to room temperature automatically after 10 seconds.
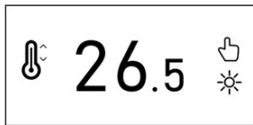

Default display – Room temperature   Relative humidity display

Turning on and off.

When thermostat is on, press **O** button for 5 seconds to turn it off. When it's off, press **O** button to turn it on.

Setting desired temperature

Press ⌃ and ⌄ buttons to set desired room temperature. The display switches back to actual room temperature automatically after 10 seconds.

Selecting mode

Holiday Mode is a thermostat temperature setting that overrides the pre-existing temperature with a temperature of your choice, making it easy to save energy when you are away from your home for an extended period.

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When you are away from home, you can press the **O** button to activate Holiday Mode 🏠. The thermostat will then operate according to the pre-set energy-saving temperature (normally suggested at 7°C). You can adjust the temperature by pressing the ⌃ and ⌄ buttons.

To set Holiday Mode press the **O** button 3 times, then the ⌃ and ⌄ buttons to select Manual Mode 🖐 or Holiday Mode 🏠.

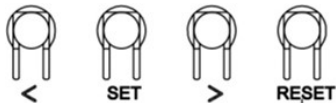To set Holiday Mode temperature select Holiday mode first. Then press ⌃ and ⌄ buttons to set desired room temperature. The display switches back to the actual room temperature automatically after 10 seconds.

Pairing with controller INK-C

1. Turn on controller INK-C.

2. Select desirable zone (or room) number by pushing buttons **<** and **>**. Green LED indicator of selected zone number flashes slowly.

3. Press **SET** button. The green LED indicator starts to flash faster which means that pairing mode is on.

4. Turn on the thermostat INK.

5. Press **O** and ⌃ buttons simultaneously for 5 seconds. Note B25E appears on the screen. Then press ⌃ to turn on pairing mode. Pairing is started.

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6. Wait until green LED indicator on the INK-C stops flashing. Pairing is complete.

To unpair INK and INK-C, select desirable zone (room) number and press RESET button for 2 seconds.

Pairing mode display

To restore factory settings, press **<** and **>** simultaneously for 5 seconds until all LED indicators are on.

PARAMETER SETTINGS

Press button **O** for 5s to turn off thermostat, then press **O** button again for 5 s to enter parameter settings. Press button **O** to go through all settings. Number of each setting is displayed on top right corner of the screen.

Press buttons **<** and **>** to change the value of each setting. When settings are finished, long press button **O** to exit settings.

No.	Description	Range	Default Value
1	Heat & Cold mode select	Heating Mode / Cooling Mode	Heating Mode
2	Temp. calibration	From -8°C to 8°C	0°C
3	Max. temperature	From 5°C to 35°C	35°C
4	Min. temperature	From 5°C to 35°C	5°C
5	Frost protection temperature	Off / from 5°C to 15°C	5°C

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| 6	Temperature differential	From 0°C to 3°C	0°C
7	Screen color	White or Black	White
8	Screen lock	1: Lock / 0: Unlock	0
9	Open window detect function	ON / OFF	OFF
10	Open window detecting time	From 2 to 30 min.	15 min.
11	Open window detecting temperature drop	From 2°C to 4°C	2°C
12	Open window detecting delay time select	From 10 to 60min.	30 min.
13	Battery power indication	Read only	
14	Software Number	Read only	
15	Factory reset	Set to REST, then long press **O** button to activate	

Setting no. 1. Heating mode and Cooling mode select.
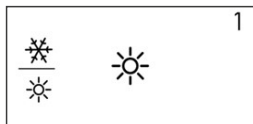
This setting is used to switch operating mode in summer and in winter.

☀ - Heating mode

❆ - Cooling mode

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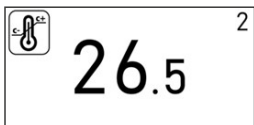
Setting no. 2. Temperature calibration.

This setting is used to calibrate thermostat's displayed temperature when actual room temperature differs from thermostat showed. For example, if thermostat shows 23°C, while actual room temperature is 21.5°C, set value to -1.5. The thermostat will show the correct value of 21.5°C.
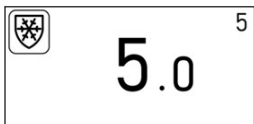
Setting no. 3. Max. temperature

This setting allows the maximum operating temperature of the thermostat to be limited.
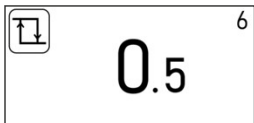
Setting no. 4. Min. temperature

This setting allows the minimum operating temperature of the thermostat to be limited.

Setting no. 5. Frost protection.

It is possible to set the room temperature to be maintained when the thermostat is in Frost Protection Mode. If the room temperature falls below the set value (the default is 5°C), the thermostat will turn on the heating until the room temperature reaches the set value.

Setting no. 6. Temperature differential

This setting allows to increase the switching differential of the thermostat. The default value is 0°C which means that at a set temperature of 20°C, the thermostat will switch the heating on at 19.5°C and off at 20.5°C. When the differential is 0.5°C, it will switch the heating on at 19°C and off at 21°C.

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Setting no. 7. Screen color.

This setting allows the selection of the screen color.

Setting no. 8. Screen lock.

This setting enables the locking of the buttons to prevent accidental setting changes. When the screen lock is activated, the buttons are not operable. To unlock the buttons for temporary adjustment, press the **O** button for 5 seconds.

Setting no. 9. Open Window Detection Function.

When the Open Window Detection function is enabled, the system will automatically stop heating when it detects a sudden drop in room temperature (default: 2°C in 15 minutes). This typically occurs when a window or door is opened without turning off the heating device. The device will return to the previous mode of operation after 30 minutes (default). The indicator ⊞ will disappear. Pressing any button will exit the Open Window Detection function during the heating off period.

Setting no. 10. Open window detecting time.

In Open Window Detection mode, it sets the period during which the preset temperature drop (setting no. 11) is measured.

Setting no. 11. Open window detecting temperature drop.

In Open Window Detection mode, it sets at what temperature drop (during preset period, setting no.10) thermostat will stop heating.

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Setting no. 12. Open window detecting delay time select.

In Open Window Detection mode, once an open window is detected, it sets the period after which the mode will be canceled.

WARRANTY

The thermostat comes with a 24-month warranty. If the thermostat breaks down either during the warranty period or afterwards, or if you have any uncertainties, please contact us:

Telephone number	Email
+370 677 06303	sales@konveka.lt
+370 600 05968	donatas@konveka.lt

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