Finnish innovation COMFORTTEMP 880

The stylish and the most effective way to make an energy efficient electric heating installation







SPECIFICATIONS

16A, IP21, floor, room, dual, PWM, snow melting Exxact, Elko, Merten, Impressivo, Jussi, Gira compatible The best possible ecodesign rating (40%) CE certified, Bluetooth







INSTALLATION

- Connect the wires and push the frame and frame adapter into place.

- The thermostat automatically selects a mode. If a floor probe is connected at first start-up \rightarrow floor mode. Otherwise room thermostat mode.



INSTALLATION IS READY!

BASIC USE



BLUETOOTH

IF an installer or user wishes, he can perform several advance functions with the free ecoControl app.



User Interface



USER PROGRAMMING



1. Select a thermostat

2. Modify your program

3. Save and accept

User program is ready! Also set AUTO mode from settings!



USER PROGRAM ON (AUTO)



Internal real time clock has a 3h backup. If a power shortage is longer, real time will be corrupted. **IF** the user program is in AUTO mode the thermostat will use the comfort setpoint until the next app connection, which automatically updates the clock. A corrupted clock is indicated by error message.

In case of an ERROR





THERMOSTAT SETTINGS



THERMOSTAT SETTINGS



Save

preset

Mode

Air

Valve protection

Wireless temperature sensor

Receive wireless eco-controls

ECOCONTROL

Do thermostat settings and use 'save' to transfer to device. Bad settings may result in damaged structures!

Reset

thermos

tat

Save

V

V

Reset to

factory

settings



Select mode : Floor, Room, Dual, PWM, Snow melting

Valve protection activates a valve once per week on Tuesday including summer. This prevents sticking in water circulation heating systems.

You can replace the main temperature sensor with a 3rd party wireless IP65 remote sensor. Check page 14!

If a wireless eco-control is enabled, thermostats with the same NETWORK KEY share an external setback. You may, e.g., connect a smart home wifi relay to the setback input of one thermostat and this feature wirelessly propagates the control to all thermostats. This mode also doubles the RF range. You can enable the mode just to extend the range.

You may also use a competitor's floor sensor probes. Available types are (@25C) 2k, 10k, 12.5k, 15k, 33k

Network key is your own secret password (wireless ecocontrols), wireless sensor pairing code or lock code to prevent all modifications in public installations (Ask for more information!)

Network key

10k

Floor sensor type

Confirm network key





SAVE SETTINGS

	< ECOCONTROL	
Save preset Reset to factory settings Reset thermos- tat Do thermostat settings and use 'save' to transfer to device. Bad settings may result in damaged structures! Mode Air Valve protection	Changes are only saved if you turn the setting knob on the thermostat when requested C Choose preset Choose preset	
Wireless temperature sensor	Name Room1	Accept within 10 sec. No passwords
Floor sensor type	User program	
Network key	Air temperature limits 5 - 28 °C	
Confirm network key	Floor temperature limits	



WIRELESS SENSOR

You can replace the main sensor of the mode by a wireless IP65 battery sensor. Wireless sensor is very accurate and sometimes can be placed better than a thermostat from the temperature measurement point of view.

Turn 'Wireless temperature sensor' ON

Write and confirm a network key of your wireless sensor

You can find a network key and QR code from the sensor.

Open a sensor lid and remove a plastic protector from battery.

Thermostat blinks an error mode until it reads the first value. This can take a few minutes.

You can later check a paired sensor by **hardly shaking** a sensor. The paired thermostat error blinks some time as an indication.

WIRELESS ECO CONTROLS



Thermostats wirelessly share an external setback signal if 'Receive wireless eco controls' is ON.

Only thermostats with the same 'network key' share an external setback signal.

You can use any word as your secret network key.

Wireless eco control is quite a slow and can take up to minute to propagate a signal through a whole house.

NOTE! You can double the RF-range to a mobile phone by turning this feature ON.

PUBLIC SPACE LOCKING



Thermostat can be locked so that **A**. Buttons are not working and **B**. It is not possible to change any parameters.

You need a special LOCK and UNLOCK code from the supplier to do this operation.

Supplier needs the REPORT from the thermostat to generate codes.

Codes are valid about 30 days and works only in the specified thermostat unit.

Locking and unlocking is made by setting a code to Network key and Confirm network key fields.

QR-CODE



'Network key' can be read from QR-code!