



Floor Heating Controls

Danfoss Icon2™ Wireless Room Thermostat



Description

Danfoss Icon2™ wireless room thermostat offers the freedom to place your thermostat without the constraints of wires in the wall. The fade away feature, together with the minimalistic design, only 16 mm deep, gives it elegance and makes it blend in with the surroundings. The Icon2™ RT is Zigbee 3.0 certified and can be integrated with compatible smart home solutions.

Features & benefits

- Touch user interface
- Infrared floor sensor (only on IR version)
- UV resistant plastic to reduce yellowing
- Temperature limiting (between 4 °C and 35 °C)
- Possibility to deselect cooling for specific room
- Dual heat emitter (e.g. radiator and floor heating in same room)
- rH measurement

Ordering

Product code numbers

| Type | Description | Code number |
|----------------------------|---|-------------|
| Danfoss Icon2™ RT wireless | Room Sensor without Display, Zigbee communication | 088U2120 |
| Danfoss Icon2™ RT wireless | Room Thermostat, Zigbee communication | 088U2121 |
| Danfoss Icon2™ RT wireless | Room Thermostat featured with IR floor temperature sensor, Zigbee communication, Wireless | 088U2122 |

Product details

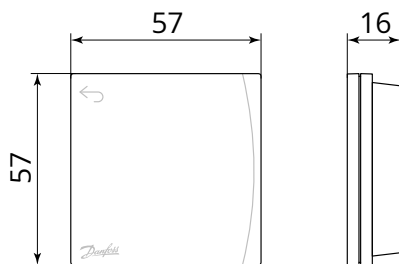
General data

Table: Technical specifications

| | |
|--|---|
| Purpose of control | Room thermostat for room temperature control |
| Ambient temperature range, continuous use | 0 – 40 °C |
| Frequency | 2.4 GHz (Zigbee) |
| Transmission power | <10 mW |
| Encapsulation (IP Class) | IP 20 |
| Supply voltage | 2 × 1.5 V AAA-Alkaline batteries |
| Conformity declared acc. to following directives | RED, RoHS, WEEE |
| Protection class | Class III |
| Type | Electronic thermostat with touch user interface |
| User interface | Capacitive touch and shine through display |
| Display features | Switches OFF after 10 sec. with no interaction |
| Ambient temperature, storage | -20 – 65 °C |
| Shell material | White parts: PC ASA |
| Approval | CE, RoHS, WEEE |
| Colour | White RAL9016 |
| Battery lifetime | 2 years |
| Transmission range | Up to 30 m |
| Temperature measurement accuracy | Range 5 – 15 °C: +/- 1K Range 15 – 25 °C: +/- 0,6K Range 25 – 35 °C: +/- 1K |

Dimensions

Figure: Danfoss Icon2™ RT



All dimensions are in mm

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

| Approval type | Title | Certification body | Approval topic |
|-------------------------------|--|---|----------------------------|
| EMC Certificate | ACMA CF16605 AU-Rev.00 | ACMA - Australian Communication and Media Authority | RCM |
| EU Declaration | Danfoss EU 10000066562.02 | Danfoss | EU RoHS |
| Electrical Safety Certificate | EAC KZ 7100841.01.01.01391 | EAC - Eurasian Customs Union | EMC |
| Wireless Certificate | RSM CF16605 NZ-Rev.00 | RSM - Radio Spectrum Management | RCM |
| Wireless Certificate | CAB UA.R.TR.052.032-23 | CAB - Conformity Assessment Body Ukrchastotnagliad | |
| Manufacturer's Declaration | Danfoss MD 600000325683.02 | Danfoss | China RoHS |
| Manufacturer's Declaration | Danfoss Manufacturer's Statement of Compliance on EU Data Act 250902EN3402.002 | Danfoss | Compliance misc. Standards |
| Export Control Declaration | Icon² Wireless Radio communication 2.4GHz & Wired Room Thermostat | Danfoss | |

Contact details

Online support

Danfoss offers a wide range of support along with our products, including digital information, software, mobile apps and expert guidance. See the possibilities below.



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