

Data Sheet

Danfoss Icon™ Dial

Room Thermostats, 230 V

Description



Danfoss Icon™ Dial 088U1000



Danfoss Icon™ Dial 088U1005

Danfoss Icon™ is a range of flush and surface mounted room thermostats for hydronic floor heating applications.

Danfoss Icon™ Dial is mains powered and can be used as a stand-alone thermostat or in combination with Wiring Centers.

The thermostat uses a relay output and can control up to 5 thermal actuators.

The user can set the desired room temperature with the dial, in a range from 5 to 30 degrees.

The dial can be removed, allowing limitation pins to be used to limit the setpoint range.

Features:

- ON/OFF control
- In-wall version compatible with a wide range of 3rd party wall frames
- Range limitation via pins
- Neutral design and simple user interface
- Frost protection setting
- Can be used with 230 V NC or NO actuators
- Includes thermal accelerator
- Very high UV-resistance

Ordering

Product	Version	Size	For junction box	Code no.
Danfoss Icon™ Dial	In-wall	80 × 80 mm	Euro, Ø 68 mm	088U1000
Danfoss Icon™ Dial	In-wall	86 × 86 mm	Square, 70 × 70 mm	088U1001
Danfoss Icon™ Dial	In-wall	88 × 88 mm	Swiss type	088U1002
Danfoss Icon™ Dial	On-wall	86 × 86 mm	N.A.	088U1005

Accessories

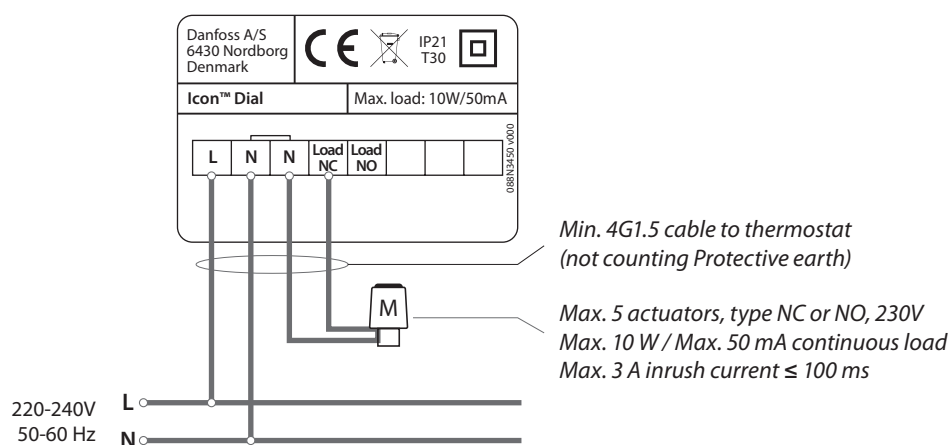
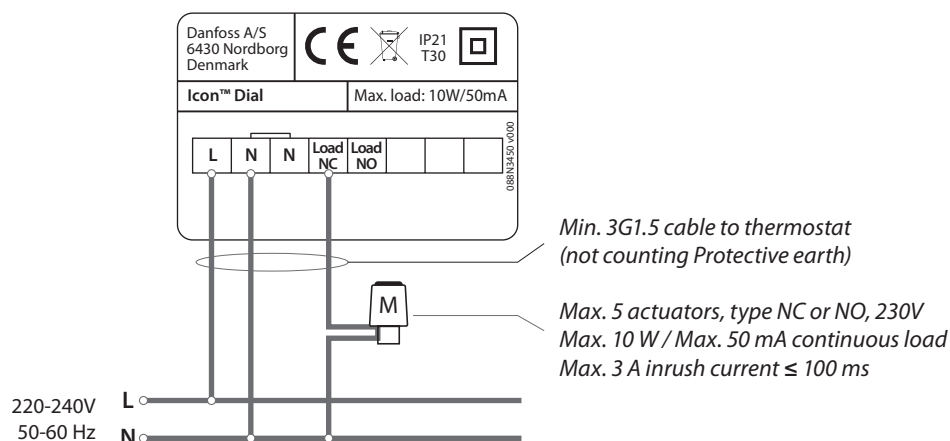
Product	Code no.
Danfoss Icon™ 230V Wiring Center, 8 channels, up to 14 outputs	088U1040
Danfoss Icon™ 230V Wiring Center, 8 channels, up to 14 outputs, CH	088U1041
Danfoss Icon™ 230V Wiring Center, 8 channels, up to 14 outputs, NP	088U1042

Technical specifications

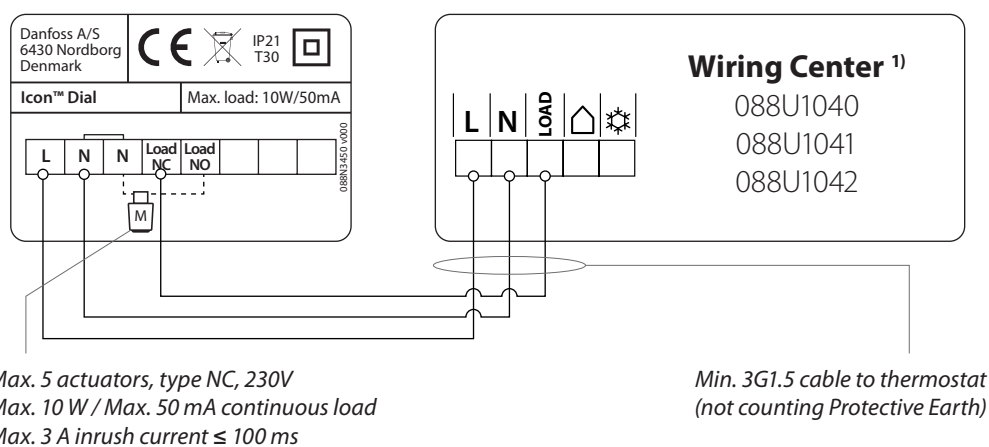
Type	Dial
Temperature setting range	5 °C to 30 °C (frost protection setting = 5 °C)
Ambient temperature, storage	–20 °C to +60° C
Ambient temperature, used in application	0 °C to 40° C
Controller, type	On/Off with thermal accelerator
Max. continuous load (output)	< 50 mA / 10 W (= 5 pcs. Danfoss TWA actuators)
Max. inrush current (actuator)	3 A ≤ 100 ms
Power consumption	0,4 W
Power supply (excl. actuators)	220-240 V, 50/60 Hz
Sensor, room	47 kΩ, NTC
Shell material	White parts: PC ASA Grey parts: PC, 10% glass
IP and Protection class	IP: 21 Protection class: II
ErP class	 (1%)
Approval	CE, RohS, WEEE
Colour	White RAL9010 / Dark Grey RAL7024
Dimensions, in-wall versions	80 × 80 × 11 mm (088U1000) 86 × 86 × 11 mm (088U1001) 88 × 88 × 13 mm (088U1002)
Dimensions, on-wall version	86 × 86 × 25 mm (088U1005)

Wiring examples

Wiring without Wiring Center, neutral wire from main installation

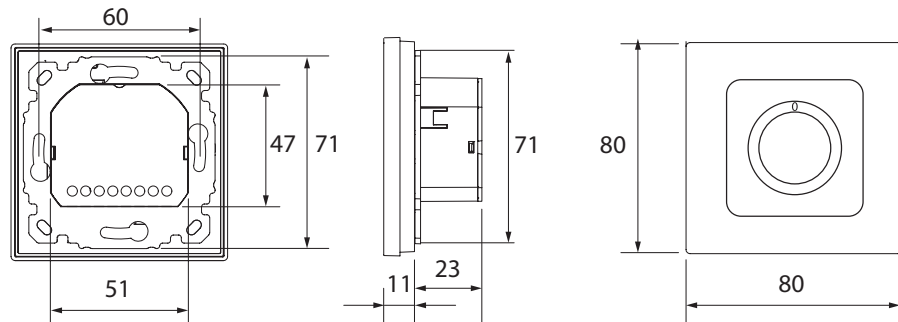


Wiring with Wiring Center

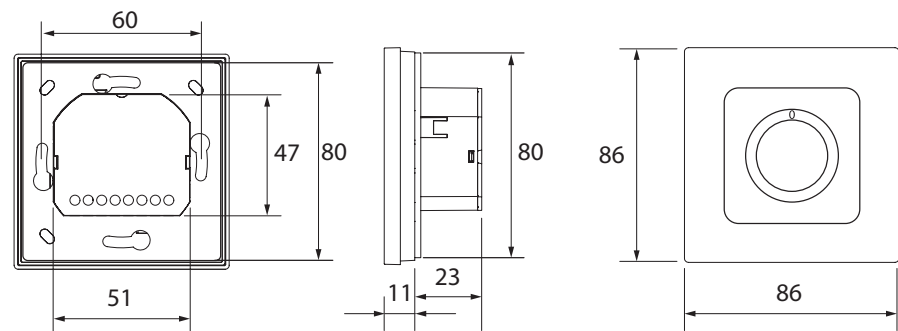


¹⁾ **Note!** Wiring Centers only support NC actuators.

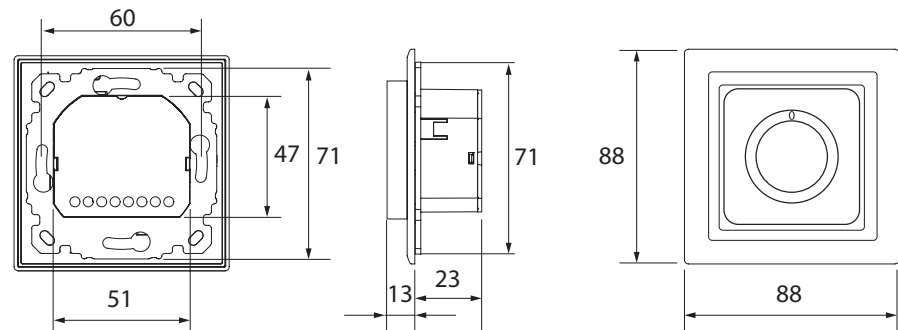
Dimensions



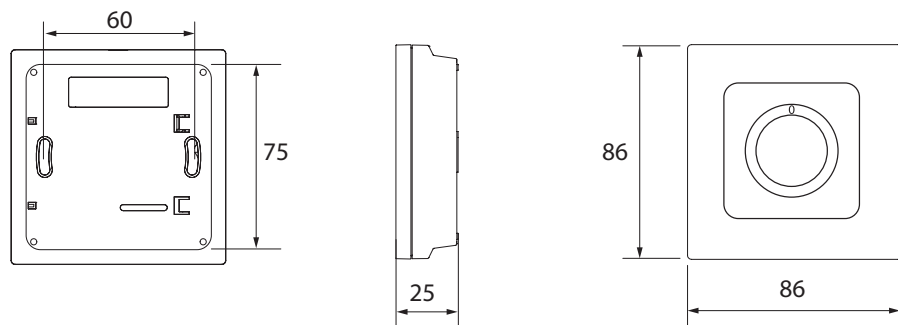
Danfoss Icon™ Dial 088U1000



Danfoss Icon™ Dial 088U1001



Danfoss Icon™ Dial 088U1002 (incl. Feller EDIZIOdue frame and adapter)



Danfoss Icon™ Dial 088U1005

Danfoss A/S

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