ECtemp Next Plus

All room thermostats are used for room temperature control in electric floor heating systems.

By controlling room temperature in accordance with the temperature desired by the user, the room thermostats provide optimal energy savings while upholding optimal thermal comfort in the room.

2 YEAR WARRANTY

Product

Product specifications

Benefits	Supply voltage/ Output voltage	85–250 V AC, 50/60 Hz
• **Modern design with white backlight**	Operating room temperature	5 - 35° C
• **AWAY function**	Operating floor temperature	5 - 45° C *
• **Child safety lock**	Ambient temperature	-10 - 60° C
• **3 selectable temperature control modes**	Fault indication	Yes
• **Maximum floor temperature limitation**	Hysteresis	1° C, symmetrical around the setpoint temperature
• **Optional room temperature display**		
• **Frost protection mode**	LCD backlight	Yes, white
• **Temperature calibration**	Max. load, inductive	< 3 A
• **Advanced programmable timer.**	Max. load, resistive	< 16 A
	Temperature calibration	Yes (+/-10° C)
Approvals:	Power consumption	2 W
	Power supply	85–250 V AC, 50/60 Hz
Ⓢ Intertek EAC UA.TR.089 CE	Sensor, floor	NTC 15K accuracy: ±1%
	Shell material	ABS, non-inflammable
Standard compliance	IP class	30
• EN/IEC60800:2009	Approval	CE marking, EN 60730
	Colour	White RAL9010/Dark Grey RAL7024
	Dimensions	86 × 86 × 16.0 mm

Types

Item no.	Product Type	Programmable	EAN no.
088L0121	**ECtemp Next Plus**	Yes	5703466233979

Connection scheme

NTC
S2 S1   N N L L

Max. 16(1)A
85-250 VAC
L
N

Wire sensor
NTC, 15 kOhm@25°C

86.0

86.0   16.0 24.5

50.0

50.0
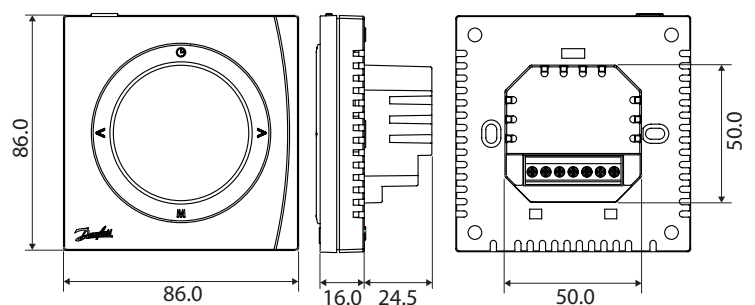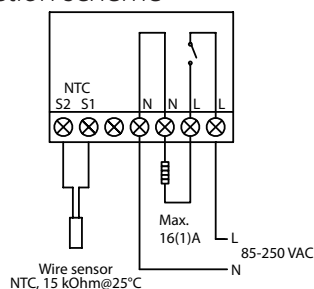
* It will be possible to set the maximum floor temperature up to 45° C. Furthermore, it will be possible to use only a room sensor. However, this option is not recommendable due to an increased risk of overheating the floor.

Please contact Danfoss how to extend the maximum floor temperature and set the only room temperature control mode.

IMPORTANT: When the thermostat is used to control a floor heating element in connection with a wooden floor or similar material, always use a floor sensor and never set the maximum floor temperature to more than 35° C.