Danfoss TPOne-B Electronic Programmable Room Thermostat

Danfoss TPOne-B Electronic Programmable Room Thermostat User Guide

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Danfoss TPOne-B Electronic Programmable Room Thermostat

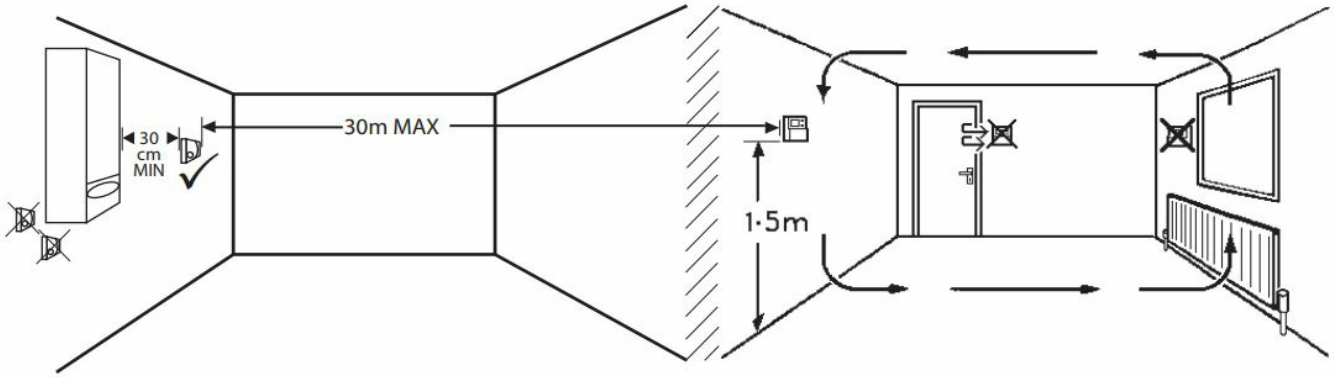
Specifications

- **Operating Voltage:** 2.5 – 3VDC (2x AA batteries)
- **Output relay**: SPDT Type 1B
- **Setting temperature range:** [Temperature Range]
- **Operating temperature range:** [Temperature Range]
- **Switch rating**: [Switch Rating]
- **Switch type:** [Switch Type]
- **Battery lifetime:** [Battery Lifetime]
- **IP rating:** IP20
- **Control**: On/off control, Chrono-proportional control
- **Operating mod**e: [Operating Mode]
- **Construction:** [Construction]
- **Pollution Degree Rating:** [Pollution Degree Rating]
- **Rated impulse voltag**e: 4kV
- **Ball pressure tes**t: [Ball Pressure Test]
- **Dimensions (mm):** H67 x L154 x P30
- **Software Classification:** Class A
- **Battery backup time:** 2 Hours

Installation Instructions

Please note: This product should only be installed by a qualified electrician or competent heating installer and should be by local wiring regulations.
Full product instructions can be found at www.danfoss.com

Thermostat positioning

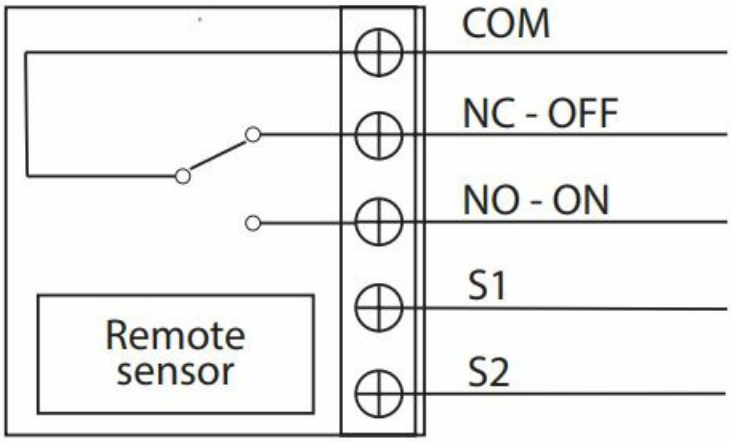


Specifications	**TPOne-B**
Operating Voltage	2.5 – 3VDC (2x AA batteries)
Output relay	Volt Free
Setting temperature range	5-35°C
Operating temperature range	0-45°C
Switch rating	3A (1) at 230Vac
Switch type	1 x SPDT Type 1B
Battery lifetime	Min. 2 years
IP rating	IP20
On/off control	Yes
Chrono-proportional control	Yes
Operating mode	Heating
Construction	EN 60730-2-9, EN 60730-2-7
Pollution Degree Rating	Degree 2
Rated impulse voltage	4 kV
Ball pressure test	75°C
Dimensions (mm)	H67 x W154 x D30
Software Classification	A
Battery backup time	2 Hours

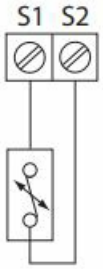
ErP Class
The products represented within this document are classified according to, and allow completion of, the Energy Related Product (ErP) Directive System Package fiche and the ErP system data label. ErP Labelling obligation is applicable from 26th September 2015.

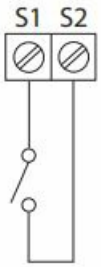
ERP Class	Product Function and ErP Description	Additional efficiency gain
ErP Product Class 4	**TPI Room Thermostat, for use with on/off output heaters** An electronic room thermostat that controls both thermostat cycle rate and in-cycle on/off ratio of the heater proportional to room temperature. TPI control strategy reduces mean water temperature, improves room temperature control accuracy and enhances system efficiency.	2%

Wiring



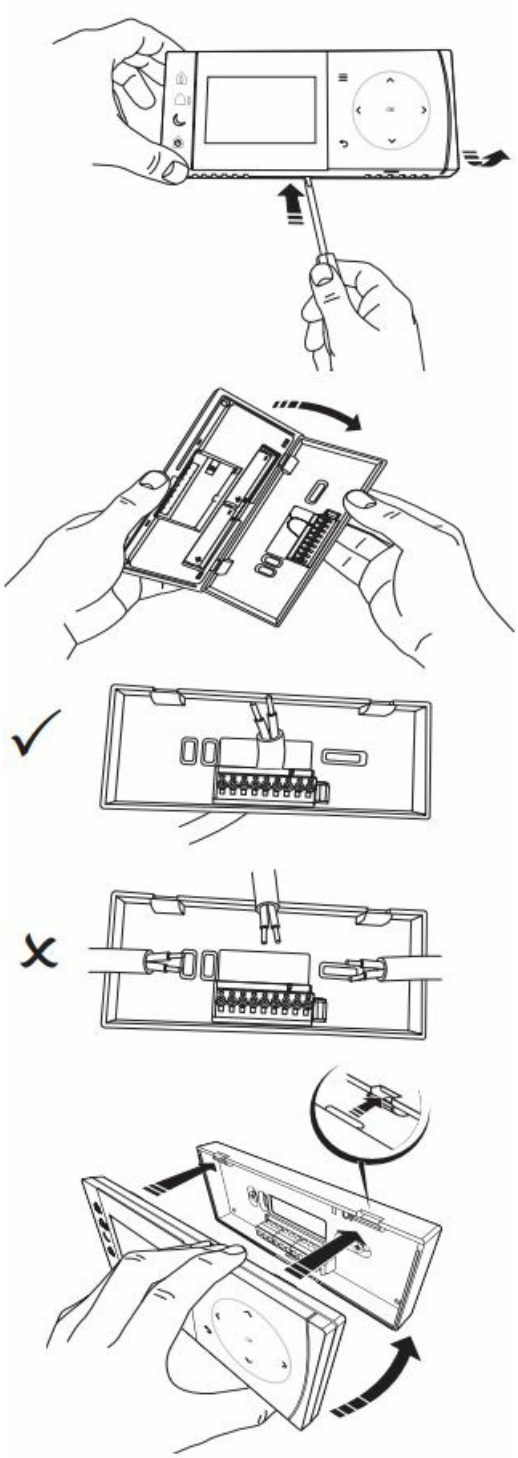
- Remote sensor inputs



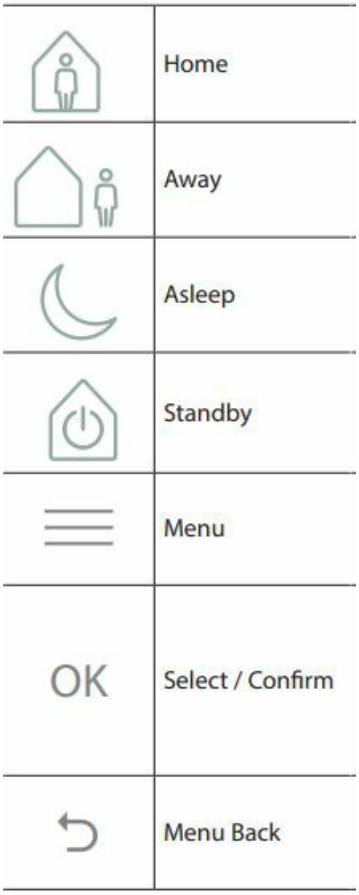


- Remote room or limit sensor
- Window switch contact

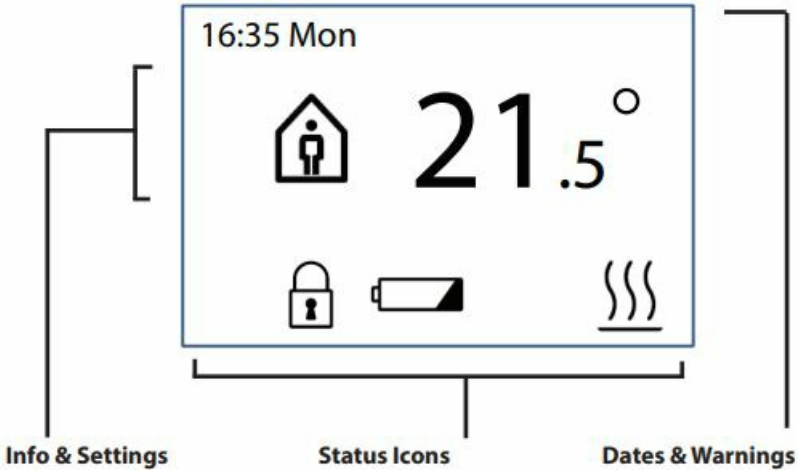
Mounting

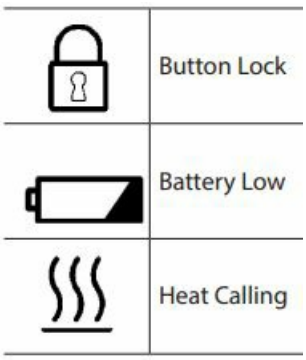


User Interface

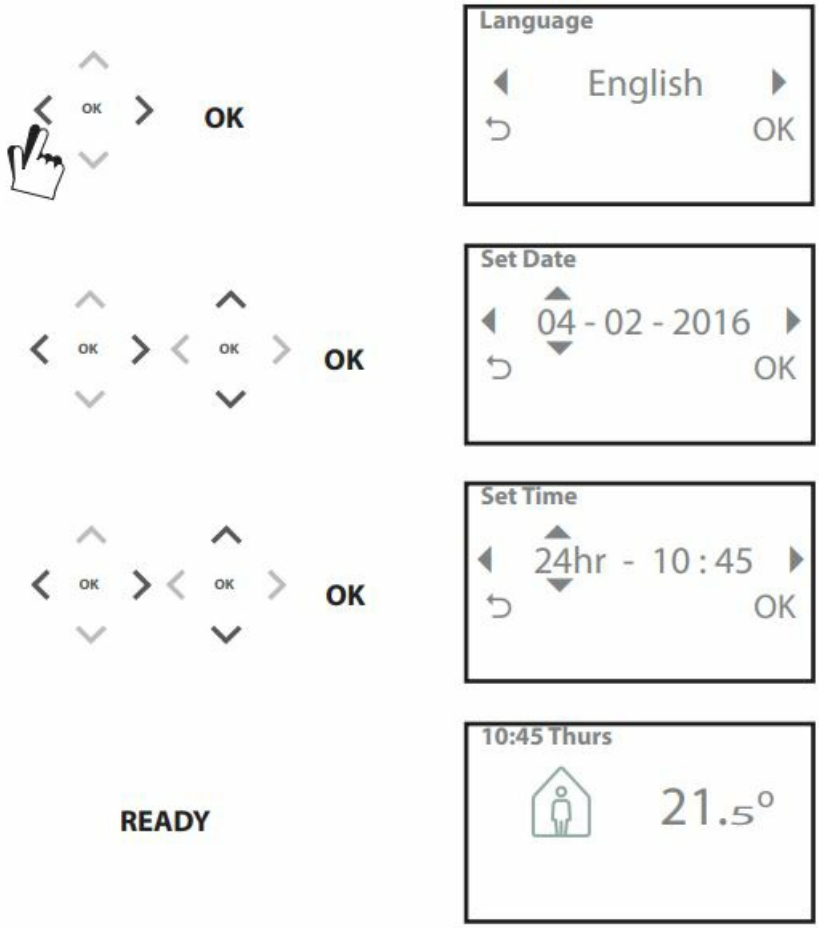


Display

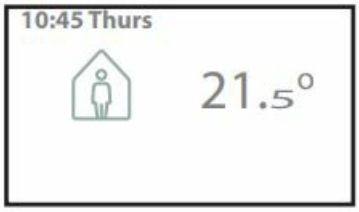


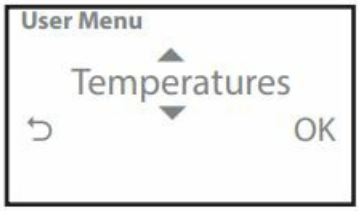


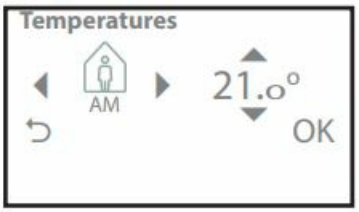
Setup Wizard

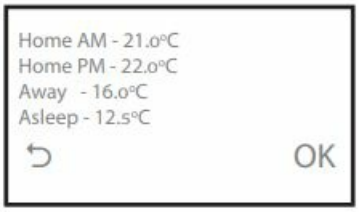


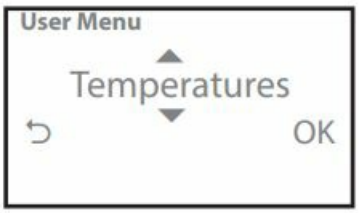
Set Temperatures



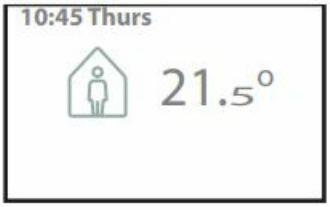






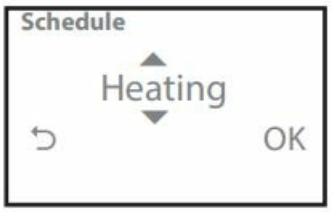


Setup Schedule

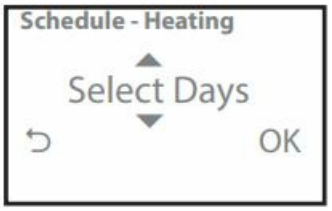


OK

OK



OK



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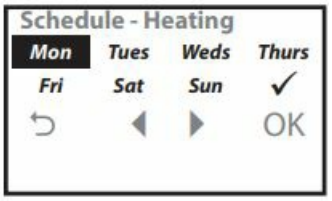

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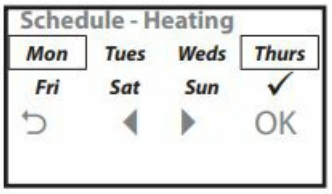

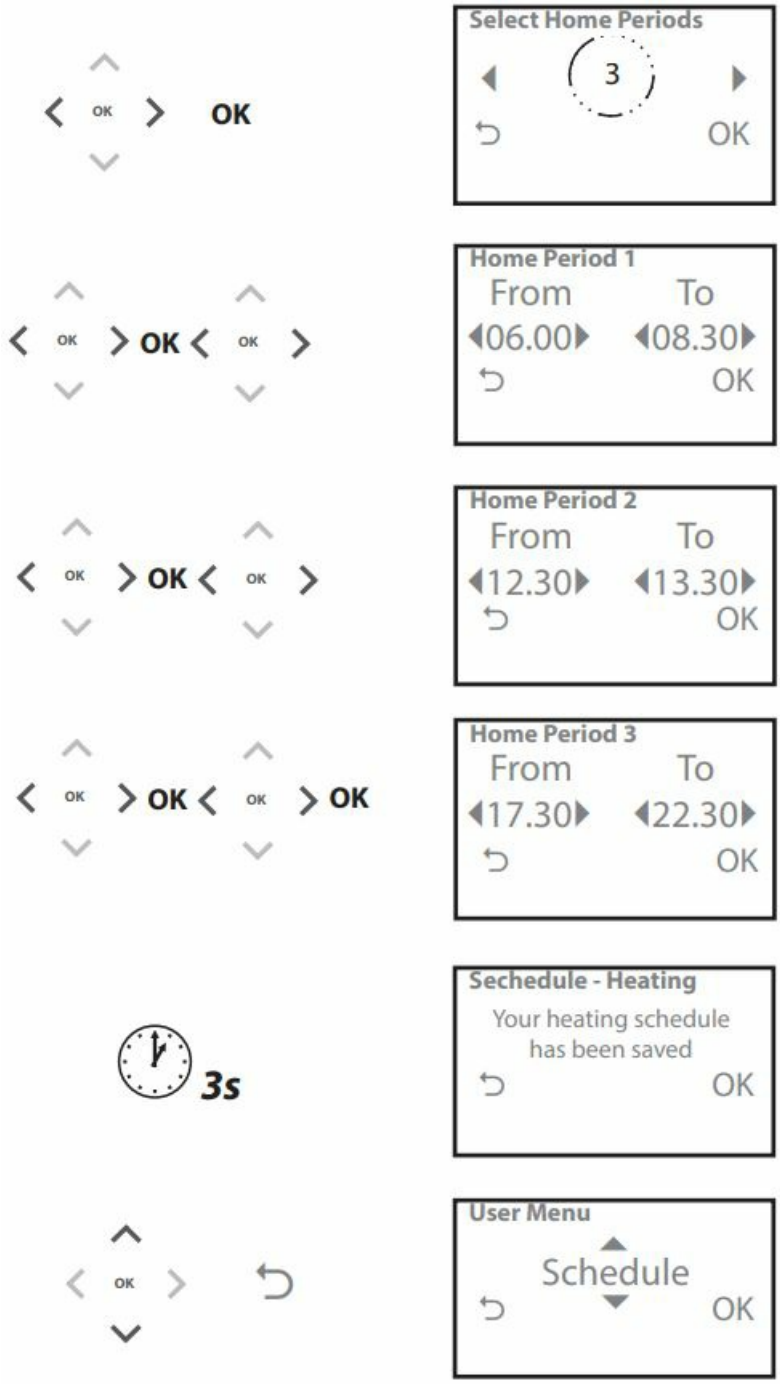

Menu

- Click & Save
- Heating Mode
- Schedule
- Temperatures
- Holiday

Settings

- Set Date
- Set Time
- Button Click
- Backlight

- Temperature Scale
- Language
- User Reset
- Information

Installer Settings

- Control Type
- Start-up
- Method
- Pump
- Exersise
- Temperature
- Limits
- Frost Protect
- Temperature
- Override
- Daylight
- Saving
- Button Lock
- Display Idle
- Mode
- Service
- Interval
- Service Demo
- Installer Lock

Information and Warnings

- Window
- Open
- Product Lock
- Optimized
- Start
- Delayed
- Start
- Frost Risk
- Low Heat
- Service Due
- Heat
- Reduced
- High Floor
- Temperature

- Sensor Fail
- External
- Sensor Fail

FAQ

- **Q: Can I install the product myself?**
  - A: No, this product should only be installed by a qualified electrician or competent heating installer.
- **Q: What is the battery lifetime?**
  - A: The battery lifetime is [Battery Lifetime].

EU: Danfoss A/S 6430 Nordborg, Denmark
GB: Danfoss Ltd. Unit 4 Uxbridge Business Park, Sanderson Road UB8 1 DH, GB

Danfoss A/S
Climate Solutions

- danfoss.com
- +45 0330 8086 888
- customerservice.uk@danfoss.com

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Documents / Resources

	Danfoss TPOne-B Electronic Programmable Room Thermostat [pdf] User Guide TPOne-B Electronic Programmable Room Thermostat, TPOne-B, Electronic Programmable Room Thermostat, Programmable Room Thermostat, Room Thermostat, Thermostat

References

- Engineering Tomorrow | Danfoss
- Engineering Tomorrow | Danfoss
- User Manual

Manuals+, Privacy Policy