

ENGINEERING
TOMORROW

Danfoss

Heating, comfort and reliable solutions

Product Selection Guide



installer.danfoss.co.uk

It's all about **energy** efficiency

A boiler in a house with individual room temperature controls will be in condensing mode for over 80% of the time it is operating, while the same boiler without temperature controls would be in condensing mode for as little as 5% of its operation.

Source: Test at Salford University

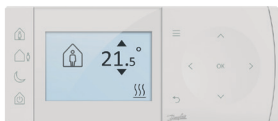


Customer Benefits from replacing TRVs and controls

- Better comfort in every room
- Energy savings
- Replacing controls and TRVs when investing in a new boiler will improve the **boiler efficiency by up to 15%**

TPOne & TP5001 Range

Programmable Room Thermostat



TPOne™

TPOne delivers new levels of user friendly interaction, the large backlit display uses easy to read icons and text information to provide feedback on status and settings to the installer and user. Users can choose 24 hour, 5/2 day or 7 day programming with the option of 1, 2 or 3 heating periods. With models including, Opentherm, RF and WiFi variants, TPOne offers a solution for almost every application.



TP5001™

The TP5001 adds full heating schedule control to the features offered by the RET variants. With either 5/2 Day or 24 Hour scheduling the user can set two heating periods ensuring that the heating is either off or at a reduced temperature when away from home or asleep.

	087N7852 TPOne-M	087N7851 TPOne-B	087N7854 TPOne-RF	087N7859 TPOne-OT	087N7856 TPOne-S	087N7930 TP5001M	087N7931 TP5001B	087N7934 TP5001RF
LCD display with push buttons	•	•	•	•	•	•	•	•
Mains	•				•	•		
Battery		•	•	•			•	•
RF			•					•
On/off load compensation	•	•	•		•	•	•	•
Open Therm				•				
WiFi					•			
24 Hour	•	•	•	•	•	•	•	•
5/2 Day	•	•	•	•	•	•	•	•
7 Day	•	•	•	•	•			
1 Channel		•	•	•		•	•	•
2 Channel	•				•			
Holiday function	•	•	•	•		•	•	•
Clear text display	•	•	•	•				
Click & Save	•	•	•	•				
Service Interval Timer	•	•	•	•		•	•	•

RET Range

Electronic Room Thermostat



RET1001

The RET1001 electronic room thermostat combines modern design with efficient heating control. Featuring a temperature adjustment dial with frost protect setting and LEDs to signal both power and heat demand, you can be assured of a simple, easy to use thermostat that meets the latest Building Regulations.



RET2001

RET2001 is an electronic room thermostat featuring a large, backlit LCD Display. The temperature can be selected via the ring that circles the display. Similar to the dial version, a frost protection feature is included as well as a holiday mode with set-back temperature for energy saving whilst away.

	087N6460 RET1001M	087N6470 RET2001M	087N6471 RET2001B	087N6474 RET2001RF	087N6475 RET2001OT
LED Indicator	•				
LCD display with push buttons		•	•	•	•
Mains	•	•			
Battery			•	•	
RF				•	
On/off load compensation	•	•	•	•	
Open Therm					•
Holiday function	•	•	•	•	•

Time Switch and Programmers



The TS710 and FP720 are the latest generation of heating timers. Both feature a large, easy to read display with a straight-forward intuitive layout. Current day, time and on/off period is shown in the large top section along with icons showing the status of the output channels. Both timers offer 1, 2 or 3 heating periods, whilst the FP720 also offers an additional channel for either time control of a hot water cylinder or 2nd heating zone.

	087N7881 TS710	087N7882 FP720
LCD display with push buttons	•	•
Mains	•	•
24 Hour	•	•
5/2 Day	•	•
7 Day	•	•
1 Channel	•	
2 Channel		•
Service Interval Timer	•	•

Motorized Control Valves



Motorised Valves work in conjunction with time controls and thermostats to control the flow of water in domestic central heating systems. Designed and built for long term operation Danfoss 'H-series' valves are available in 2-port and 3-port versions in a wide range of sizes for both copper and iron pipework and offer 100% tight shut-off. Actuators for mid-position, diverter and 2-port on/off applications complete the range. Valve bodies and actuators may be purchased separately or in convenient sets.

087N6613	HS3 - 22mm 3 port mid-position valve complete with actuator
087N6609	HP22 - 22mm 2 port valve complete with HPA2 actuator
087N6587	HSA3 - 3 port mid-position valve actuator only
087N6579	HPA2 - 2 port valve actuator only

Danfoss RAS-B²



The innovative design of the Danfoss RAS-B² features a differential pressure controller that ensures all radiators throughout the home get the heat they need throughout the year regardless of whether it is spring, autumn or winter.

RAS-B²

	013G7660	RAS-B ² Dynamic Combi Pack, 15mm
	013G7661	RAS-B ² Dynamic Combi Pack, 10mm
	013G7662	RAS-B ² Radiator Pack, 15mm
	013G7663	RAS-B ² Radiator Pack, 10mm



Danfoss RAS-C² and RAS-D²



UNIQUE bi-directional valve

Our valves feature the unique flow selectable adjuster helping ensure water flows through the valve in the right direction - the perfect solution to water hammer.

Ras-C²

The RAS-C² sensor is packaged together with the innovative flow selectable RA-FS bi-directional valve body which can be mounted either vertically or horizontally in flow or return. If water hammer is experienced a patented flow selection device within the valve can be turned to reverse the water direction inside the valve without the need to drain down the system. A quick and easy solution to an otherwise expensive problem.

RAS-C²

013G6050	RAS-C ² - 15mm
013G6055	RAS-C ² - 10mm
013G6058	RAS-C ² - 8mm
013G6005	RAS-C ² +L/S - 15mm
013G6006	RAS-C ² +L/S - 10mm
013G6008	RAS-C ² +L/S - 8mm

Ras-D²

Available in white/chrome or all chrome the elegant RAS-D² radiator thermostats are ideal for designer radiators or towel rails. The valve bodies are reversible and bi-directional and include a flow-selectable feature to ensure trouble free installation without any risk of water hammer.

RAS-D²

013G6012	RAS-D ² TRV Only 15/10/8mm Chrome Angled
013G6013	RAS-D ² TRV Only 15/10/8mm White/Chrome Angled
013G6014	RAS-D ² TRV Only 15/10/8mm Chrome Straight
013G6015	RAS-D ² TRV Only 15/10/8mm White/Chrome Straight
013G6016	RAS-D ² TRV & L/S Valve 15/10/8mm Chrome Angled
013G6017	RAS-D ² TRV & L/S Valve 15/10/8mm White Angled
013G6018	RAS-D ² TRV & L/S Valve 15/10/8mm Chrome Straight
013G6019	RAS-D ² TRV & L/S Valve 15/10/8mm White Straight

Danfoss Installer App

Your personal toolbox

Danfoss Installer App has been developed to provide assistance to installers working on both residential and commercial projects. With constant updates, you can always be sure the information provided will be accurate and up to date.

Use the mobile app to access service tools details and reduce the complexity of your work. All the information and tools you need carried in your pocket.

Make your work easier.

Get the Danfoss Installer app now.



Danfoss DNA



Danfoss developed its first radiator thermostat prototype in 1943, and the first commercial model was launched in 1952. The selling price was equivalent to a weekly salary for an industrial worker. Sales did not take off until Danfoss was able to lower the price significantly in the 1960s. Today, Danfoss Thermostats have become a household brand and they are continuously being improved. The latest versions are fully connected and customers can control them from their smart phones. Danfoss has produced almost half a billion bellows, most of these have gone into radiator thermostats.