

Datasheet

TP4000 Programmable Room Thermostat

Features



The TP4000 programmable thermostat combines the functions of a timeswitch and a thermostat into a stylish, easy to use controller that allows the user to programme up to 6 time and temperature events each day. This flexibility allows the operation of the heating system to match the lifestyle of the user, providing different temperatures at different times of the day.

Programming is achieved using just five buttons which during normal operation can also be used to override the programme or to change the display.

The TP4000 is a 24 hour unit which repeats the programmed events each day of the week. The product is battery powered and is designed for use in hard-wired installations.

The product is delivered with a set of factory pre-set programmes that meet most user requirements, these can be easily modified or reprogrammed to suit the specific demands of a user.

During normal operation, the programmed temperature can easily be overridden to temporarily increase or decrease the room temperature, in this mode the thermostat reverts to normal programmed operation at the next event time.

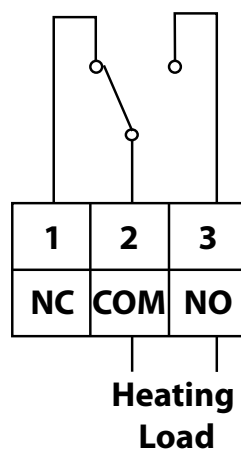
The thermostat can also be set by the user to control the temperature at a constant value. There is also a convenient programmable frost setting which allows the user to easily step out of programmed operation mode into frost protection mode.

- 24 hour programmable thermostat
- For use in hard-wired systems
- Up to 6 time and temperature events each day
- Battery powered for ease of installation
- Many user overrides, including thermostat and frost protection mode.

Thermostat Specifications

Features	TP4000		
Order Code	087N791900		
Hard-wired, with built in sensor	•		
24 hour programmable thermostat	•		
6 time and temperature events repeated each day	•		
Factory pre-set times and temperatures (can be changed to suit user demands)	Setting	Time	Temperature
	1	06:30	20°C
	2	08:30	15°C
	3	11:30	20°C
	4	13:30	15°C
	5	16:30	21°C
	6	22:30	15°C
Temperature Range	Off, 5°C to 30°C		
Programmable frost protection function	Yes		
Control type	On/Off		
Switching differential	±1°C		
Power Supply	2 x AA/MN1500/LR6 Alkaline batteries		
Memory Back-up	Capacitor provides for no programme loss while changing batteries		
Switching action of output relay	SPDT (voltage free)		
Switch rating of output relay	3(1)A, 10-230V		
Dimensions, mm	110 wide x 88 high x 28 deep		
Design standard	EN 60730-2-9		

Wiring



Danfoss can accept no responsibility for possible errors in catalogues, brochures, and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.



Danfoss Randall Ltd.

Amphill Road
 Bedford MK42 9ER
 Tel: 0845 1217 400
 Fax: 0845 1217 515
 Email: danfosrandall@danfoss.com
 Website: www.danfoss-randall.co.uk