Datasheet

TP4000 Range
Programmable Room Thermostats

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. Being battery powered and available in hard wired or wireless versions the TP4000 is easy to install and operate.

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 or wireless 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.

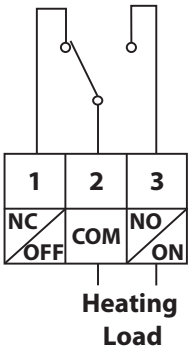
Datasheet TP4000 Range of Programmable Room Thermostat

Thermostat Specifications

Features	TP4000	TP4000-RF + RX1	TP4000-RF
Order Code	087N791900	087N792100	087N792000
Hard-wired, with built in sensor	•		
Wireless, with built in sensor			•
Wireless, with built in sensor + RX1 receiver		•	
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		
Transmission frequency (RF Models)	N/A	433.92MHz	
Transmission range	N/A	30 Metres Max	
Memory Back-up	Events retained for life of product. Time retained for 1 minute whilst changing batteries		
Switching action of output relay	SPDT (voltage free)		N/A
Switch rating of output relay	3(1)A, 10-230V		N/A
Dimensions, mm	110 wide x 88 high x 28 deep		
Design standard	EN 60730-2-9 (EN 300220 for RF)		

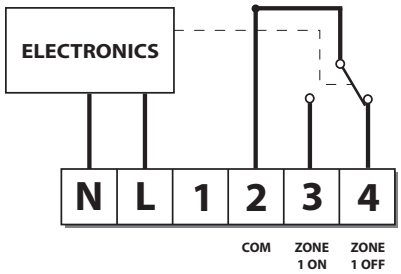
Wiring

Hard Wired Models

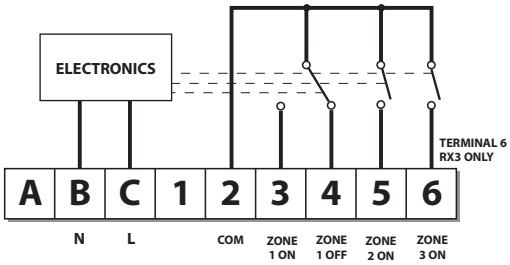


Wireless Models

RX1



RX2 and RX3



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