



Introduction



The TP5E combines the functions of a timeswitch and room thermostat. When installed in a similar position to a room thermostat it will closely control room temperature at the level set. The control temperature can be automatically changed up to six times a day enabling the heating output to closely match the lifestyle of the occupants.

Features

- Up to six different room temperatures each day.
- Weekend can be different from weekdays.
- Weekend programme may be used on a weekday on an occasional basis, e.g. Bank Holidays.
- Optional constant temperature selection.
- Choice of ON/OFF or Chrono-proportional control.
- Can replace most electro-mechanical room thermostats.
- Switches mains or low voltage control circuits.
- Operates independently of the mains using two standard batteries.
- Can display time or room temperature.

The TP5E embodies the latest in room temperature control technology, and is designed for ease-of-use. The clear display can show the time (24 hour clock) or current room temperature, indicates the programmed temperature, and shows if the heating equipment is on or off. The programmed temperature can be simply overridden at any time at a touch of a button.

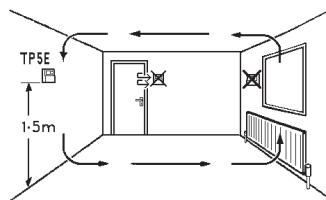
The constant temperature selection defaults to 5°C to provide frost protection for the area being controlled. Once selected it may be changed to any temperature in the control temperature range.

Chrono-Proportional Control

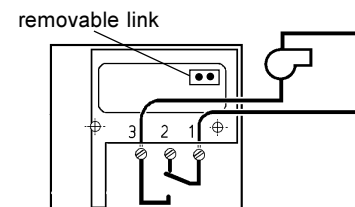
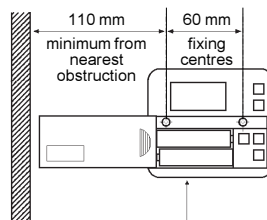
A self-learning process designed to reduce temperature hysteresis by anticipating rate of temperature rise, switches the boiler off early to prevent temperature overshoot. This option is recommended where heating is required for long periods.

Technical

Control temperature range	5°C to 30°C		
Digital clock type	24 Hour		
Programme	Weekday/Weekend		
Factory pre-set times and temperatures	Setting	Time	Temperature
Weekdays	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
Weekend	1	07:00	20°C
	2	16:00	21°C
	3	23:00	15°C
	4	00:00	15°C
	5	01:00	15°C
	6	01:59	15°C
Control type	ON/OFF or Chrono-proportional		
Maximum ambient temperature	40°C		
Power Supply	2 x AA/MN1500/LR6 Alkaline Batteries (Duracell preferred)		
Memory back-up	No programme loss while changing batteries		
Switch rating	220/240 Vac 50 Hz 6 (2) Amp		
Switch contacts	SPDT (changeover) voltage free		
Dimensions (mm)	TP5E	Pattress PT05	
	Width	98	107
	Height	81	89
	Depth	34	7

Installation
Fitting Location

Wiring Detail

(View on rear of unit)


Fixing Dimensions


If when replacing an existing room thermostat the wires are too short to connect to the TP5E, use pattress (PT05) to terminate the existing wiring. New wires can then be extended from the pattress to the TP5E, which is then fixed to the pattress with the screws provided.

Neutral and Earth wires are not required, terminate safely.

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