Prefect

Cleverly simple **control** of energy.

Energy saving control systems

ecoStat 3

Local control

suitable for multi-occupancy dwellings, HMOs, Student rooms, Hotels, Hostels, Holiday Lodges, Airbnbs, etc.

ecoStat 3

Local heating control

ecoStat provides occupants with control over room temperature - but only within pre-set temperature and time parameters. The tamper-proof technology means parameters cannot be changed directly on the unit, only by using the dedicated infrared programming handset. This ensures predicted energy savings. Simple to install and easy to operate, ecoStat is a cost-effective alternative to central control. It provides the same energy saving features in each room, but on a locally programmed basis.
Savings of 25%-35% per year on energy costs can be expected.

Intelligent thermostat

Infrared signal window

Integrated microwave occupancy sensor can be set for absence or presence detection

LED indicates the heater is active

LEDs indicate the level of heat input

Simple to use 'Up' and 'Down' buttons. When off, the UP button is pressed and Setback mode is entered. If already in Setback mode, Boost range will be activated. When the Boost time limit elapses the control will revert to Setback mode. The DOWN button reduces heat input to the room.

Mains cable plus a switch wire connect the control unit to the key switched fused spur.

Electric or 'wet' systems
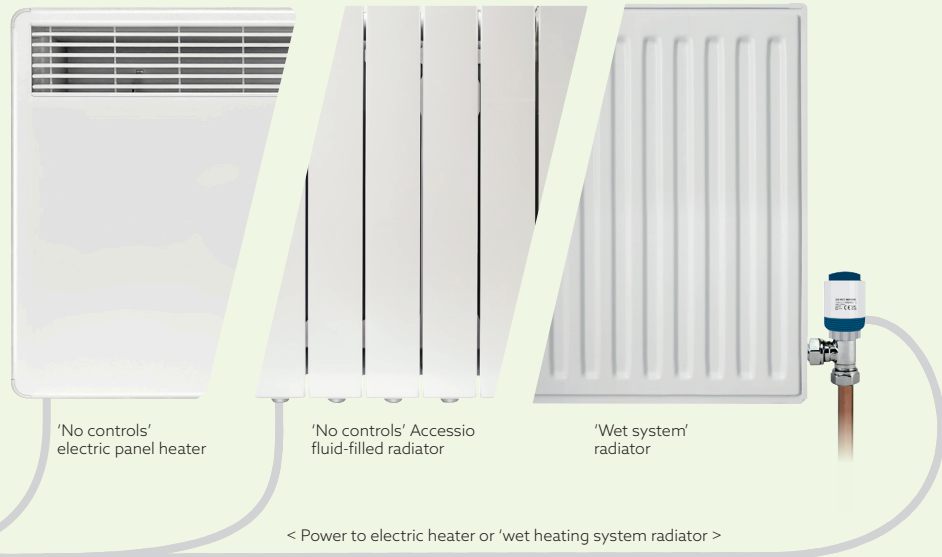ecoStat controls **electric panel heaters**, **fluid-filled radiators**, and **'wet' systems**.

Mains supply

Key switched fused spur

'No controls' electric panel heater

'No controls' Accessio fluid-filled radiator

'Wet system' radiator

< Power to electric heater or 'wet heating system radiator >

Programming handset
One dedicated **infrared handset** per site is used, by authorised personnel, to set the required parameters on the control unit. When settings have been programmed it is a simple task of 'point and send', either using **infrared** or the **NFC** (Near Field Communication) feature which transfers data to the control unit in a similar way to contact-less payment with bank cards.

Diagram not to scale | *The PRE5203EC3 has integrated microwave occupancy sensor. | **energy savings are dependent on current control methods, the infrastructure, location and profiles used.

upto
25%-35%
energy savings**

Temperature control

Occupancy sensor

Window-open technology

Dedicated handset

NFC/Infrared Sending

2-event 7-day programme

Tamper proof

The 3-Stage Profile

Temperature and time parameters are set for three modes - • **Frost**/**Off**, • **Setback**, and • **Boost** range. Occupants have control over their environment but only within these parameters.

BOOST

Boost range increases heat input. It is engaged when the 'Up' button is pressed, but only for a predetermined time (e.g. 45mins). If the room is vacated during Boost mode the occupancy sensor* will revert the controller to **Setback**. Likewise when the Boost time-limit period elapses.

SETBACK

Setback mode keeps a room comfortable (e.g.18-20°C). If buttons are not pressed, Setback mode continues until the time-out period elapses (e.g.12hrs). The unit then enters **Frost/Off** mode

FROST

When a room is vacant for longer periods, **Frost/Off** mode engages. This turns heat input off until the room temperature drops below frost setting (e.g. 10-12°C), to avoid damp.

Window-open technology
If windows or doors are opened, ecoStat will sense the sudden drop in temperature and reduce heat input.

EnergyLock
Our patented key enables 'no controls' electric heaters to be installed while still complying with LOT20 legislation.

There are two ecoStat3 room control models.

Both units operate in the same way and have the same programming capacity, the key difference is the PRE5203EC3 has an integrated microwave motion sensor. The up and down buttons enable users to adjust input levels to the heat source - the more LEDs lit, the warmer the room. Blue indicates Frost or Off mode, 1 red LED indicates Setback mode. 2, 3 or 4 LEDs signifies Boost range. The temperature values within Boost range are the difference between maximum boost temperature and Setback, divided equally by 3.

The PRE5003EC3 has variable user control. Users change the mode with 'up/down' buttons to raise or reduce the temperature within the set limits.

The PRE5203EC3 is the same as the PRE5003EC3 but with the addition of an integrated microwave motion sensor for detecting occupancy, either absence or presence.

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