

# Programmable Thermostats

SCS021 | SCS027 | SCS011 | SCS017 | SCS312 | SCS318

A correctly controlled central heating system provides optimum comfort levels, with the lowest possible energy consumption and associated carbon dioxide (CO<sub>2</sub>) emissions.

Programmable room thermostats are widely recognised as one of the best ways in which to control domestic central heating. Our SCS Range of programmable room thermostats have a large display and an intuitive user interface, making them easy to set up and use. They use a sophisticated time proportional-integral (TPI) algorithm for accurate temperature control and energy efficiency.



## Applications

- Control of most domestic gas- or oil-powered central heating systems
- Combination ('combi') boilers
- Control of additional heating zones
- Control of solid-fuel heating systems
- Replacement of existing thermostats

## Benefits

- Comprehensive range of time and temperature settings to suit most households
- Simple 'four button' programming, with 'two button' adjustment of temperature
- Long battery life (minimum two years), with a warning when batteries need replacing
- Programme settings retained during battery replacement
- Reduces heating costs while providing dependable comfort throughout the home
- Minimal boiler cycling and reduced return flow temperatures through use of sophisticated control algorithms
- No need for additional wiring when replacing an existing thermostat

## Features

- Choice of simple 24-hour or 7-day versions (12 or 24-hour clock)
- Up to six target temperature settings per day
- Available in battery or mains-powered models, with Z-Wave® wireless communication option
- Adjustable 'boost' option
- Indicates target temperature and actual room temperature
- Quick and easy battery changing without affecting the stored programme
- Optional optimum start facility
- Menu-driven programming via large back-lit display, with text prompts to aid the user
- Automatic daylight saving time adjustment
- Tamperproof security code
- Voltage-free contacts

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## Technical specifications

### Electrical

Contact type	Micro-disconnection changeover
Wiring configuration	Voltage-free c/o contacts (SPDT)
Voltage range	230 V
Current range	8 (1) amps 230 V AC (wireless receiver 3 amps)
Accuracy	± 0.5 °C at 21 °C
Mains frequency	50 Hz

### Compliance

Standard	EN 60730-2-9
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### Mechanical

Dimensions (WxHxD)	120 x 100 x 26.5 mm
Weight	0.3 kg approx. (programmable thermostat) 0.2 kg approx. (wireless receiver)
Enclosure	Flame-retardant thermoplastic

### Environmental

Ingress protection	IP 30
Insulation class	Double insulated
Temperature	0 °C to +40 °C (operating range)

### Ordering information

SCS021	24-hour battery-operated programmable room thermostat
SCS027	7-day battery-operated programmable room thermostat
SCS011	24-hour mains-operated programmable room thermostat
SCS017	7-day mains-operated programmable room thermostat
SCS312	24-hour wireless programmable room thermostat, complete with receiver
SCS318	7-day wireless programmable room thermostat, complete with receiver