



Gas Boiler Thermostat Datasheet

34 models. Room thermostats that switch a gas boiler relay directly, wired or wireless.

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Focused on thermostats since	2011
Compliance	RoHS, CE, UL, FCC, CSA, CCC, ISO 9001

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Why buyers specify this category

- Contacts rated 6(2)A and 8(2)A at 230VAC
- Frost protection with a +7 C defrost point on several models
- Programmable, manual and dial fronts
- Wireless pairs where no cable route exists

Problems it solves

- Stat contacts too small for the boiler relay
- Pipework freezing when the system is switched off
- Heating running at full setpoint in empty buildings

Models

LCD Gas Boiler 230V Non-programmable Digital Wired Gas Boiler Heating Thermostat for HVAC System

Wired Thermostat, 230V Wired Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

ST2305 is a wired 230V room thermostat for gas boiler and radiator systems where the specification asks for a switch, not a schedule. A slider selects HEAT, COOL or OFF, and the OFF position keeps frost protection active. The contact is rated 8(2)A at 230VAC, so it drives a boiler relay directly, and the measuring range runs from 3 C to 37 C in 0.1 C steps with a setpoint range of 5 C to 35 C in 0.5 C steps.



Key benefits

- 8(2)A 230VAC contact switches most domestic boiler relays without an interposing relay
- OFF position keeps frost protection live, so empty properties stay protected
- 0.5 C setpoint resolution gives finer control than a mechanical dial
- Room temperature calibration of -3 to +3 C corrects for a poor mounting position

Model	ST2305
Programmability	Non-Programmable
System Switch	heat/cool/off mode switch
Power Supply	battery
Maximum Load	8(2)A 230VAC Max
Temperature Range	3°C-37°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C
Screen	LCD display
Backlight	Blue or Orange
Material	Flame Retardance ABS+PC
Application	Villa, Hotel, Apartment, Office Building, Hospital, School, Mall, Sports Venues, Leisure Facilities, Supermarket
Type	Air Conditioning/Heating/HVAC Systems/Radiator/Ventilation/Other
Certification	RoHS CE ISO
Warranty	1 Year
After-sale Service	Online technical support

230V NTC Digital Weekly Programmable Popular Heating Gas Boiler HVAC Thermostat

Gas Boiler Thermostat, Underfloor Heating Thermostat, Programmable Thermostat

C7 is a battery powered programmable room thermostat aimed at heating systems that need real setback rather than a single setpoint. It offers 7 day, 5/2 day and 24 hour schedules, a holiday mode for long absences and a manual override for one-off changes. Switching covers 24 V AC/DC up to 250 V AC at 50 Hz, 6 A with 2 A inductive load, so it suits both boiler relays and underfloor actuator circuits.



Key benefits

- Three schedule modes let the same stat serve homes, offices and rental property
- Holiday mode drops the building to a holding temperature without losing the programme
- Keypad lockout stops unauthorised changes in shared and public spaces
- Factory pre-set programme means the unit works sensibly straight out of the box

Model	C7
Programmability	7 Day, 5/2 Day and 24 hourProgrammable
Power Supply	battery

Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Temperature Range	5°C-35°C in 0.5°C
Setpoint Range	10°C-30°C in 0.5°C
Display accuracy	±1°C (at 20°C)
Backlight	EL
Color	White
Material	Anti-flammable PC +ABS
Dimension	130 x80 x35 mm
Application	Villa/indoor/household/hotel/room
Type	Floor Heating Parts
Certification	RoHS CE CCC ISO
Warranty	1 Year

230V Large Digital Adjustable Button Gas Boiler Non-programmable Thermostat for Underfloor Heating

Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

ST2603 answers a specific complaint: digital stats that older occupants find hard to use. It keeps a digital LCD and an NTC sensor for accuracy, but the setpoint is changed with one large dial instead of a menu. HEAT, COOL and OFF are selectable, with frost protection on OFF, and the measuring range runs 0 C to 40 C in 0.1 C steps.

Key benefits

- One large dial replaces menu navigation, which cuts support calls in elderly housing
- Digital NTC measurement with a 0.1 C resolution behind a simple interface
- Frost protection stays active in the OFF position
- Adjustable switching sensitivity tunes cycle rate to a slow underfloor slab



Model	ST2603
Programmability	Non-Programmable
Power Supply	DC 2 x AAA 1.5V Alkaline batteries
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C
Display accuracy	±1°C (at 20°C)
Sensor	NTC
Relay	Omron
Backlight	White/Customized
Color	White
Material	Anti-flammable PC +ABS
Dimension	130 x86 x30 mm
Installation	Wall Mounted
Application	Hotel/Office House Indoor

230V Electronic Weekly Programmable Gas Boiler Room Thermostat for Underfloor Heating Control

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Water Heating Thermostats, Electric and Gas Thermostat, Programmable Thermostat

ST27 is a wired room thermostat with an LCD and push buttons, designed for electric, underfloor and water heating systems. It carries 7 day, 5/2 day and 24 hour programmes with straightforward daily on and off settings, and switches up to 8(2)A at 230 VAC. It is used for bedrooms, hotel rooms and kitchens where the heating should follow an occupancy pattern rather than run continuously.



Key benefits

- 8(2)A 230 VAC maximum load drives electric heating circuits as well as boiler relays
- Three programme modes cover domestic, hotel and commercial occupancy patterns
- Heat / Cool / Off system switch makes it usable on year round installations
- 0.5 C setpoint resolution across 5 C to 35 C for fine comfort control

Model	ST27
Programmability	7 Day, 5/2 Day and 24 hour Programmable
System Switch	Heat/Cool/Off
Power Supply	2*AAA size battery
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Maximum Load	8(2)A 230 VAC Max
Temperature Range	0°C-40°C in 0.5°C
Setpoint Range	5°C-35°C in 0.5°C Power Consumption 2W
Display accuracy	±1°C (at 20°C)
Sensor	NTC
Backlight	White/Customized
Material	Anti-flammable PC +ABS
Dimension	119 x 80 x 26 mm
Installation	Mounts on wall or junction box
Consumption	2W

230V Color LCD Screen Non-programmable Wireless Room RF Smart Gas Boiler Thermostat for Floor Heating NTC

Wireless Thermostat, 230V Wireless Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

E3RF-L is a wireless RF room thermostat and receiver pair for gas boiler and floor heating systems where running a cable to the boiler is not practical. The transmitter sits in the room and the receiver wires at the appliance, communicating on 868.35 MHz over a range of up to 100 m. Frost protection cuts in at +7 C, and the receiver contact is rated 6(2)A at 230V.



Key benefits

- No control cable between the room and the boiler, which saves chasing walls in a retrofit
- 868.35 MHz band is less congested than 2.4 GHz, so the link is not affected by WiFi traffic
- +7 C defrost temperature protects pipework when the system is switched off
- Colour LCD with white, blue or orange backlight options

Model	E3RF-L
Programmability	Non-programmable
Power Supply	230VAC, 50HZ
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Maximum Load	6(2)A, 230V Defrosting Temperature +7°C
Temperature Range	5°C-35°C in 0.5°C
Setpoint Range	10°C-30°C in 0.5°C Power Consumption 6W Operating
Display accuracy	±1°C (at 20°C)
Sensor	NTC
Screen	Digital LCD
Backlight	>> HEAT(Heating)/COOL(Cooling)/OFF(Frost Protection) >> Wall mounted >>
Material	Anti-flammable PC +ABS
Operating Frequency	868.35MHZ
Transmission Distance	approx. 100m in open terrain
Consumption	6W

LCD WIFI RF Programmable Gas Boiler thermostat

WiFi Smart Thermostat, 24V WiFi Smart Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Programmable Thermostat

STN855W is the WiFi version of our universal platform. It keeps the same staging as the wired STN855, up to 2 heat and 2 cool on conventional systems and up to 3 heat and 2 cool on heat pumps, and adds app control over WiFi. Programming runs 7 day or 5/1/1 with auto changeover, and the unit takes either 24V power or AAA batteries.



Key benefits

- App control lets landlords and facility teams adjust rooms they are not standing in
- Universal staging means one connected model covers conventional and heat pump equipment
- Auto changeover removes the seasonal mode switch from the occupant's list of jobs
- Runs on 24V or AAA batteries, so it retrofits into wiring without a common conductor

Model	STN855W
Power Supply	24V or AAA BATTERIES
Backlight	Blue
Color	White
Material	Anti-flammable PC +ABS
Application	Room Underfloor Heating Thermostat/Indoor
Function	Floor Heating System Package Carton packing
Feature	Save Energy
Certification	CE RoHS

230VAC DC Dial Adjustable Wireless Non-programmable Gas Boiler RF Thermostat for Heating

Wireless Thermostat, 230V Wireless Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

ST2403RF pairs a dial adjusted room unit with a 230VAC receiver, linked on 868.35 MHz with a range of up to 200 m. It is the wireless answer for hotels and indoor installations where guests should be able to change the temperature with one control and nothing else. Measuring runs 0 C to 40 C in 0.1 C steps, the setpoint covers 5 C to 35 C in 0.5 C steps, and the receiver switches 6(2)A at 230V.



Key benefits

- Up to 200 m RF range covers large buildings and detached plant rooms
- Dial adjustment means guests do not need to read a manual
- No control cable, so rooms can be refitted without disturbing finishes
- 0.1 C measuring resolution behind a deliberately simple front panel

Model	ST2403RF
Programmability	Non-Programmable
Power Supply	230VAC, 50HZ
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Maximum Load	6(2)A, 230V
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C Power Consumption 6W Operating
Display accuracy	±1°C (at 20°C)
Screen	Digital LCD
Color	White
Material	ABS
Dimension	120 x77 x28 mm
Operating Frequency	868.35MHZ
Transmission Distance	approx. 200m in open terrain
Consumption	6W

1 to 4 Wireless Heating and Cooling Remotely Control Room Gas Boiler RF Thermostat

Wireless Thermostat, 230V Wireless Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Programmable Thermostat

C7RF is built for multi-zone heating where each room needs its own pattern but the plant room has one appliance. A single control handles up to four zones, independently or together, over an 868.35 MHz RF link with a range of up to 200 m. Programming runs 7 day with six time and six temperature settings per day, which is enough resolution for a hotel floor or a house with very different room uses.



Key benefits

- Up to 4 zones from one control, so the plant room stays simple
- Six time and six temperature steps per day handle irregular occupancy
- Zones run independently or together, depending on how the building is used
- 200 m RF range covers a hotel floor or a large house without repeaters

Model	C7RF 1 to 4
Programmability	7 Day Programmable, 6 Time & 6 Temp per day
Power Supply	230VAC, 50HZ
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)

Maximum Load	6(2)A, 230V
Temperature Range	5°C-35°C in 0.5°C
Setpoint Range	10°C-30°C in 0.5°C Power Consumption 6W Operating
Display accuracy	±1°C (at 20°C)
Color	White
Material	Anti-flammable PC +ABS
Dimension	130 x 80 x 35 mm
Operating Frequency	868.35MHZ
Transmission Distance	approx. 200m in open terrain
Consumption	6W
Application	Hotel

220V Non-Programmable Digital Heating Wired Gas Boiler Thermostat with Battery Supply

Wired Thermostat, 230V Wired Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Underfloor Heating Thermostat, Water Heating Thermostats, Electric and Gas Thermostat, Non-Programmable Thermostat

ST23 is a compact wired 230VAC room thermostat for heating and cooling, used on boilers, water and electric heating, fan coil units and building ventilation. It is non-programmable: the occupant sets a temperature and the stat holds it, with defrost protection at +7 C when the system is off. At 118 x 80 x 26 mm it fits the footprint most replacements need to cover.

Key benefits

- Single product covers boilers, fan coil units and ventilation control
- 118 x 80 x 26 mm footprint covers the marks left by most older stats
- +7 C defrost temperature protects systems left switched off
- 0.1 C measuring resolution with +/-1 C display accuracy at 20 C



Model	ST23
Programmability	Non-Programmable
Power Supply	230VAC
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C Defrosting Temperature +7°C
Display accuracy	±1°C (at 20°C)
Color	White
Material	Anti-flammable PC +ABS
Dimension	118 x 80 x 26 mm
Application	Hotel/Household
Function	Heating and Cooling Package Carton Box
Feature	Heat Resistant
Certification	CE
Warranty	1 Year

Wireless Gas Boiler Thermostat For Electric Radiator

Wireless Thermostat, 230V Wireless Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

ST2401RF is the version of our RF pair built for electric radiators, where the switched load is much higher than a boiler relay. The receiver is offered at 6A or 16A on 230V AC, so a direct electric heater can be switched without an external contactor. The room unit runs from 2 x AAA 1.5V lithium batteries, carries a Heat / Off / Cool switch, a low battery indicator and a Fahrenheit or Celsius display option.



Key benefits

- 16A receiver option switches electric radiators directly, with no contactor to house
- Battery powered room unit can be sited anywhere without a supply
- Low battery indicator warns before the room loses control
- F or C display makes the same product suitable for several export markets

Model	ST2401RF
Programmability	Non-Programmable
System Switch	HEAT/OFF/COOL MODE Switch
Power Supply	2 x AAA 1.5V Lithium batteries
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)/16A
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C
Display accuracy	±1°C (at 20°C)
Backlight	Orange/White/Blue/Customied
Material	ABS
Dimension	120 x 77 x 28 mm (without holder)
Installation	Wall mounted Operating
Operating Frequency	868.35MHZ
Application	Hotel
Type	Air Conditioning/Heating/HVAC Systems/Radiator/Ventilation/Cooling/Noise and Attenuation/Other/Cooling

230V Heating Room Wireless RF Gas Boiler Thermostat

Wireless Thermostat, 230V Wireless Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

S2301RF is a wireless room thermostat aimed at home and office heating where the appliance is not near the living space. It communicates on 868.35 MHz, which the specification describes as giving more stable communication than lower frequency links, and offers Heating, Cooling and Frost modes with an AUTO/MANUAL switch. An LED on the receiver shows system status at a glance during commissioning.



Key benefits

- 868.35 MHz link chosen for communication stability rather than headline range
- AUTO/MANUAL switch lets an occupant override without losing the setting
- LED system indicator shortens fault finding on a service visit
- Wall mount or base mount, so the room unit can sit on a desk or shelf

Model	S2301RF
Programmability	Non-Programmable
System Switch	Heating/Cooling/Frost
Power Supply	230V AC >>
Switchable Voltage	230 V AC; 50 Hz

Switchable Current	6 A (2 A inductive load)
Contact rating	6(2)A 230VAC Max
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C Power Consumption 6W Operating
Display accuracy	±1°C (at 20°C)
Backlight	Orange/Blue/White
Dimension	118 x 80 x 26 mm(without holder)
Operating Frequency	868.35 MHz
Transmission Distance	approx. 50 m in open terrain Defrosting Temperature +7°C
Consumption	6W
Application	Home Office

Digital Heating Gas Boiler Thermostat

Gas Boiler Thermostat, Programmable Thermostat

ST2602 is a battery powered programmable room thermostat for gas boiler systems that need fine daily control. It runs 7 day, 5/2 day and 24 hour modes with six time and six temperature steps per day, plus a manual override for one-off changes and a keypad lockout for shared spaces. Standby current is 30 uA with lighting current at 6 mA or less, which is what makes long battery life on 2 x AAA cells realistic.

Key benefits

- Six steps per day match real occupancy better than a two-period programme
- 30 uA standby current keeps the unit running a long time on 2 x AAA cells
- Keypad lockout prevents unauthorised changes in corridors and shared rooms
- Manual override changes today without rewriting the programme



Model	ST2602
Programmability	7 Day, 5/2 Day and 24 hour Programmable
System Switch	HEAT/OFF/COOL
Power Supply	2x AAA 1.5V Alkaline Battery
Maximum Load	6(2)A, 230V Standby current 30uA, Lighting current ≤ 6mA
Temperature Range	0°C~40°C (in 0.1°C increments)
Setpoint Range	5°C~35°C (in 0.5°C increments)
Display accuracy	±1°C (at 20°C)
Backlight	Blue/Green/white
Color	White
Dimension	130 x 86 x 29 mm
Weight	0.25kg
Installation	Wall Mounting
Standby current	30uA, Lighting current ≤ 6mA
Type	Household/Industrial/Outdoor/Indoor/Other

Household Usage Wall RF Wireless Gas Boiler Thermostat

Wireless Thermostat, 230V Wireless Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

This is the household configuration of ST2401RF, supplied with an 8(2)A 230VAC receiver for gas boiler and water heating systems. The room unit runs from 2 x AAA 1.5V lithium batteries and links to the receiver on 868.35 MHz, so no control cable crosses the house. Defrost protection engages at +7 C, and the housing is fire retardant ABS and PC with white, blue or green backlight options.

Key benefits

- 8(2)A contact leaves headroom over the 6A receivers used on lighter duties
- No control cable between the living room and the boiler cupboard
- +7 C defrost protection covers holiday absences
- Built by a team with more than 10 years of room thermostat design experience



Model	ST2401RF
Programmability	Non-Programmable
System Switch	HEAT/OFF/COOL MODE Switch
Power Supply	2 x AAA 1.5V Lithium batteries
Switchable Voltage	230 V AC; 50 Hz
Switchable Current	8 A (2 A inductive load)
Maximum Load	8(2)A 230VAC Max Defrosting Temperature +7°C Operating Principle Gas Boiler or Water Heating
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C Power Consumption 6W Operating
Display accuracy	±1°C (at 20°C)
Backlight	White/Blue/Green
Material	ABS+PC Fire Retardant
Operating Frequency	868.35 MHz
Consumption	6W
Application	Hotel/Household Heating Systems
Type	Air Conditioning/Heating/HVAC Systems/Radiator/Ventilation/Cooling/Noise and Attenuation/Other/Heating&Cooling;

Single Room Manual Heating Gas Boiler Thermostat For HVAC Systems

Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

S2305 is a manual single room thermostat for HVAC, radiator and boiler systems, operated with a slider rather than a menu. It measures from 0 C to 40 C in 0.1 C steps, holds a setpoint between 5 C and 35 C in 0.5 C steps, and drops into frost protection at +7 C when switched off. Backing it up is a 2 year warranty and an after sales package that can include onsite installation, training and inspection.

Key benefits

- Slider operation gives one obvious control for staff and the public
- Onsite installation, training and inspection available on project orders
- 2 year warranty, twice the standard period on much of the range
- Calibration of -3 to +3 C corrects difficult mounting positions



Model	S2305
Programmability	Non-Programmable
System Switch	HEAT/OFF/COOL MODE Switch
Power Supply	2 x AAA 1.5V Lithium batteries
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz

Switchable Current	6 A (2 A inductive load)
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C Defrosting Temperature +7°C
Display accuracy	±1°C (at 20°C)
Dimension	118 x 80 x 26 mm
Application	Mall
Type	Air Conditioning/Heating/HVAC Systems/Radiator/Ventilation/Cooling/Noise and Attenuation/Other
Warranty	2 years
After-sale Service	Online technical support, Onsite Installation, Onsite Training, Onsite Inspection, Free spare parts, Return and Replacement, Other, NONE

OEM Room Digital Gas Boiler Heating Thermostat For Home

Gas Boiler Thermostat, Underfloor Heating Thermostat, Programmable Thermostat

S2302 is our OEM workhorse for domestic gas boiler and underfloor heating control. It runs a 7 day programme, locks the keypad when required, and lets the installer tune switching sensitivity so a heated slab does not overshoot. Because it is built for private label work, the programme is preset at the factory to whatever the buyer specifies, and the unit ships under ISO9001 and CE documentation.

Key benefits

- Factory preset programme means the unit is useful straight out of the carton
- Adjustable switching sensitivity suits both radiators and slow underfloor slabs
- Keypad lockout protects the setting in rental and shared property
- ISO9001 and CE documentation supports import compliance



Model	S2302
Programmability	7 Day Programmable
System Switch	HEAT/COOL MODE Switch
Power Supply	2 x AAA 1.5V Lithium Batteries
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Temperature Range	0°C-40°C in 0.1°C
Setpoint Range	5°C-35°C in 0.5°C
Display accuracy	±1°C (at 20°C)
Screen	LCD
Material	Anti-flammable PC +ABS
Dimension	119 x 80 x 26 mm
Storage Temperature	-10°C to +60°C
Type	Floor Heating Parts
Function	Control temperature
Feature	Keypad Lockout

230V Dial Button Wired Non-programmable Gas Boilers Room Thermostat for Heating

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

E3-H is a classically styled wired 230V room thermostat with a large dial and only two modes: HEAT and OFF with frost protection. It is aimed at house and underfloor heating installations where the specification is deliberately simple. Switching sensitivity is adjustable so the installer can slow the cycle rate on a heated floor, and a battery low indicator warns before control is lost.



Key benefits

- Two modes only, which removes almost every source of user error
- Adjustable switching sensitivity tunes cycle rate to floor or radiator
- Battery low indicator gives warning before the room loses control
- Frost protection built into the OFF position at +7 C

Model	E3-H
Programmability	Non-programmable
Power Supply	230V
Switchable Voltage	24 V AC / DC,...250 V AC; 50 Hz
Switchable Current	6 A (2 A inductive load)
Temperature Range	5°C-35°C in 0.5°C
Setpoint Range	10°C-30°C in 0.5°C Defrosting Temperature +7°C
Display accuracy	±1°C (at 20°C)
Screen	LCD Display
Color	White
Material	Anti-flammable PC +ABS
Application	House Home Floor Underfloor Heating
Type	Floor Heating Parts
Function	Control Temperature
Certification	CE ISO RoHS
MOQ	500pcs

230V Easy-operated Indoor Heating and Cooling Control Temperature Non-programmable Gas Boiler Thermostat

Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

C3 is a push button room thermostat with a clock display, built for hotels and indoor spaces that need heating and cooling control without a programme to learn. The switching side uses an Omron relay rated 8(2)A at 230VAC, which covers boilers, fan coil units and radiator circuits. Sensing is by NTC with a display accuracy of 1 C or better.



Key benefits

- Omron relay rated 8(2)A 230VAC gives a known contact life
- Clock display without a programme, so guests see the time but cannot reschedule heating
- Push button operation is familiar to every guest
- NTC sensing with 0.5 C setpoint steps across 10 C to 30 C

Model	C3
Programmability	Non-programmable
Power Supply	2 x AA size battery
Maximum Load	8(2)A 230VAC Max
Temperature Range	5■-35■ in 0.5■

Setpoint Range	10■-30■ in 0.5■
Display accuracy	≤1■
Sensor	NTC
Relay	Omron
Screen	Digital LCD
Material	ABS
Dimension	12*8*2.5cm
Application	Hotel/Indoors
Type	Air Conditioning/Heating/HVAC Systems/Radiator/Ventilatio/Cooling/FCU/Boilers
Feature	Saving energy
Certification	CE,RoHS ISO

OEM/ODM 230V Water Boiler Hotel Wired Room Heating Non-programmable Thermostat for HVAC System

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Water Heating Thermostats, Non-Programmable Thermostat

S2305 in this configuration is an OEM and ODM 230V wired room thermostat for water boiler and hotel heating systems. It is non-programmable with a large push button, a clear blue backlit LCD, a low battery indicator and a room temperature calibration adjustment. The housing is ABS and PC and the unit weighs 400 g, supplied with one instruction sheet per box.



Key benefits

- Large push button is easy to use with wet or cold hands
- Low battery indicator warns before heating control is lost
- Room temperature calibration corrects a poor mounting position
- Blue backlit LCD is readable in a dark hotel corridor

Model	S2305
Backlight	Blue
Material	ABS+
Weight	400g
Package Included	1Wired Thermostat 1Instruction

S2301 Wired Wall-mounted Gas Boiler Room Thermostat Non-programmable

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Non-Programmable Thermostat

S2301 is a wired wall mounted room thermostat for gas boiler systems, with no schedule to set. A large push button changes the temperature, an LED system indicator shows whether the boiler is being called, and a low battery warning appears before control is lost. Housing is anti-flammable PC and ABS, and the backlight is available in blue or orange.



Key benefits

- LED system indicator shows at a glance whether the boiler is being called
- Large push button suits users who struggle with small keys
- Low battery indicator warns before the heating stops responding
- Room temperature calibration corrects a poor mounting position

Model	S2301
Backlight	Blue/

Material	Anti-flammable PC+
Weight	400g
Package Included	1Wired Thermostat 1Instruction

230V Wireless 868Mhz 6W Weekly Programmable Heating Digital RF Thermostat for Boiler

Premier Thermostat, 230V Premier Thermostat, Gas Boiler Thermostat, Programmable Thermostat

ST2602RF is the wireless version of ST2602, part of the Premier range. It links on 868 MHz and draws 6W at the receiver, running 7 day, 5/2 day and 24 hour programmes with six time and six temperature steps per day. Holiday mode holds a lower temperature during long absences, switching sensitivity is adjustable, and the unit ships with a factory pre-set programme.



Key benefits

- Wireless programming with six steps per day, which most RF pairs do not offer
- Holiday mode holds a lower temperature without erasing the programme
- Factory pre-set programme means the unit works from the moment it is bound
- Adjustable switching sensitivity suits slow responding heating systems

Model	ST2602
Backlight	White/
Material	Anti-flammable PC, Anti-flammable ABS+
Weight	400g
Package Included	1Wireless Thermostat 1Instruction

Hot Selling 230V Non-programmable Wired Underfloor Heating Gas boiler Thermostat HVAC

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

This is ST2305 in its underfloor heating configuration, a wired 230V non-programmable thermostat showing room and set temperature on one LCD. A button battery backup keeps the settings through a power failure, and the unit is designed to work with almost all standard electric underfloor heating systems. Sensing is by NTC, and operation is a simple HEAT / OFF / COOL switch with a manual setpoint.



Key benefits

- Button battery backup keeps settings through a power failure
- Designed for almost all standard electric underfloor heating systems
- Room and set temperature shown together, so users can see both
- NTC sensing rather than a bimetal element

Model	ST2305
Backlight	Blue
Material	ABS+
Weight	400g
Package Included	1Wired Thermostat 1Instruction

230V Weekly Programmable High Accuracy Electronic Heating Boiler Room Smart Thermostat

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Programmable Thermostat

ST2302 is a wired 230V weekly programmable thermostat for gas boiler heating, with six time and six temperature steps per day across a 7 day programme. The HEAT / OFF / COOL mode switch keeps it useful year round, and keypad lockout protects the schedule. The housing is anti-flammable PC and ABS, which is what project specifications on boiler rooms and corridors usually require.

Key benefits

- Six time and temperature steps per day across a full week
- Keypad lockout protects the programme in corridors and shared spaces
- Manual override for one-off changes without rewriting the schedule
- Anti-flammable PC and ABS housing for project material specifications



Model	ST2302
Backlight	Blue
Material	Anti-flammable PC+
Weight	400g
Package Included	1Wired Thermostat 1Instruction

LCD 230V Non-programmable Heating Room Thermostat for Gas Boilers

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

This configuration of ST23 is the one specified for electric underfloor heating, because the LCD shows floor temperature alongside room and set temperature. Very few room stats in this class display all three. It is non-programmable, with heating, cooling and frost protection modes, room temperature calibration and a low battery indicator.

Key benefits

- Displays floor temperature as well as room and set temperature
- Frost protection mode alongside heating and cooling
- Designed for almost all standard electric underfloor heating systems
- Three backlight colours: blue, white or orange



Model	ST23
Backlight	Blue/White/
Material	Anti-flammable PC+ABS
Weight	400g
Package Included	1Wired Thermostat 1Instruction

230V Non-programmable Digital Heating Boiler Thermostat For Household Usage

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Non-Programmable Thermostat

This is ST2603 in its household boiler configuration, built around a large dial adjustable button rather than a keypad. It is non-programmable with heating, cooling and frost protection modes, and the switching sensitivity is adjustable so the installer can suit the cycle rate to a radiator or a slower system. Housing is flame retardance ABS and PC with white, blue or green backlighting.

Key benefits

- Large dial adjustable button suits users who dislike menus
- Frost protection mode included alongside heating and cooling
- Adjustable switching sensitivity tunes cycle rate to the system
- Three backlight colours: white, blue or green



Model	ST2603
Backlight	White/Blue/
Material	Flame Retardance ABS+
Weight	400g
Package Included	1Wired Thermostat 1Instruction

OEM ODM Digital Programmable Heating Boiler Thermostat For HVAC

Wired Thermostat, 230V Wired Thermostat, Gas Boiler Thermostat, Programmable Thermostat

This is ST2602 supplied as an OEM and ODM product for HVAC and boiler heating, offered with white, blue, green or orange backlighting. It runs 7 day, 5/2 day and 24 hour programmes with six time and six temperature steps per day, has a Heat / OFF / Cool mode switch, manual override and keypad lockout. The four backlight options are the widest in the wired range.



Key benefits

- Four backlight colours, the widest choice in the wired range
- Six time and temperature steps per day across three programme modes
- Manual override and keypad lockout on the same unit
- Built for OEM and ODM work, so branding is a standard process

Model	ST2602
Backlight	White/Blue/Green/
Material	ABS
Weight	400g
Package Included	1Wired Thermostat 1Instruction

230V Non-Programmable LCD Display High Temperature Controller HEAT/OFF/COOL Room Thermostat

Wired Thermostat, 230V Wired Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Non-Programmable Thermostat

ST2403 is a wired 230V non-programmable room thermostat with a large push button and a HEAT / OFF / COOL mode switch, rated for air conditioning, heating, HVAC, radiators, ventilation and boilers. Its distinguishing feature is a button battery backup that saves the settings through a power failure, so the unit returns to the same configuration when the supply comes back.



Key benefits

- Button battery backup keeps settings through a power failure
- Large push button suits users who struggle with small keys
- Rated across air conditioning, heating, HVAC, radiator, ventilation and boiler duties
- Four backlight colours: white, blue, green or orange

Model	ST2403
Backlight	White/Blue/Green/
Material	ABS+
Weight	400g
Type	Air Conditioning / Heating / HVAC Systems / Radiator / Ventilation /
Package Included	1Wired Thermostat 1Instruction

Household 230V Digital Wired Non-programmable Heating Thermostat for Gas Boiler

Wired Thermostat, 230V Wired Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

ST2401 is the wired household version of the ST2400 family, combining a large dial adjustable button with a button battery backup that preserves settings through a power failure. The LCD shows room temperature and set temperature together, and the unit is designed to work with almost all standard electric underfloor heating systems as well as gas boilers and radiators.

Key benefits

- Large dial plus settings backup, a combination most simple stats do not offer
- Room and set temperature shown together on the display
- Works with almost all standard electric underfloor heating systems
- Blue, white or orange backlight options



Model	ST2401
Backlight	Blue/White/
Material	Flame Retardance ABS
Weight	400g
Type	Air Conditioning / Heating / HVAC Systems / Radiator / Ventilation / Other /
Package Included	1Wired Thermostat 1Instruction

230V New Production Wireless Gas Boiler Home Usage Digital Heating Non-programmable RF Thermostat

Wireless Thermostat, 230V Wireless Thermostat, Air Conditioner Thermostats, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

This configuration of ST2403RF is the wireless underfloor variant: the LCD shows room temperature, set temperature and floor temperature together, over an 868 MHz link chosen for more stable communication. It is non-programmable with a HEAT / OFF / COOL mode switch, and is designed to work with almost all standard electric underfloor heating systems as well as gas boilers and radiators.

Key benefits

- Floor temperature displayed on a wireless room unit, which is uncommon
- 868 MHz link for more stable communication in buildings
- Designed for almost all standard electric underfloor heating systems
- Covers air conditioning, heating, HVAC, radiator and ventilation duties



Model	ST2403
Backlight	White/
Material	Flame Retardance ABS+
Weight	400g
Type	Air Conditioning/Heating/HVAC Systems/ Radiator / Ventilation /
Package Included	1Wireless Thermostat 1Instruction

230V Wireless Non-programmable Smart Heating RF HVAC Thermostat for Gas Boilers

Wireless Thermostat, 230V Wireless Thermostat, Gas Boiler Thermostat, Non-Programmable Thermostat

This configuration of ST2401RF is the general purpose wireless gas boiler control. Its distinguishing feature is the interface: the display provides interactive feedback while the user sets up or operates the unit, and the installation menu is written to be read rather than decoded. It is non-programmable, wall mounted, with a large LCD in blue or orange backlight.

Key benefits

- Interactive interface guides the user through setup and operation
- Installation menu written in plain terms, which shortens commissioning
- Large LCD screen readable across a room
- No control cable between the room and the boiler



Model	ST2401
Backlight	Blue/
Material	Anti-flammable PC+ABS
Weight	400g
Package Included	1Wireless Thermostat 1Instruction

230V Wired Non-programmable Thermostat E3-H

Premier Thermostat, 230V Premier Thermostat, Gas Boiler Thermostat, Underfloor Heating Thermostat, Non-Programmable Thermostat

This is E3-H in the Premier range specification, a wired 230V non-programmable thermostat for floor heating. Two details set it apart from a standard dial stat: universal back plate holes that match mounting standards in different countries, and an integrated pulley in the dial mechanism. It is built with fireproof materials and imported chips and relays, in blue, white, green or orange backlight.

Key benefits

- Universal back plate holes match mounting standards in various countries
- Integrated pulley gives a smooth, consistent dial action
- Built with high quality fireproof materials and imported chips and relays
- Four backlight colours: blue, white, green or orange



Model	E3-
Backlight	Blue/White/Green/
Material	Anti-flammable PC+
Weight	400g
Type	Floor Heating Parts/Floor
Package Included	1 Wired Thermostat 1Instruction

HVAC RF Wireless Non-programmable Room Thermostats for Gas Boiler

Wireless Thermostat, 230V Wireless Thermostat, Gas Boiler Thermostat, Non-Programmable Thermostat

S2305RF is the wireless version of the S2305 manual thermostat, for gas boiler heating where a cable to the appliance is not available. It is non-programmable with a large push button and a clear LCD, and can be wall mounted or stood on a base, so the room unit can sit where sensing is accurate rather than where a wall plate would go.

Key benefits

- Wall mount or base mount, so the unit can sit on a shelf or table
- Large push button keeps operation simple for any occupant
- No control cable between the room and the boiler
- Low battery indicator warns before control is lost



Model	S2305
Backlight	Blue/
Material	ABS+
Weight	400g
Package Included	1Wireless Thermostat 1

230V RF Wireless Programmable Boiler Thermostat for HVAC System

Wireless Thermostat, 230V Wireless Thermostat, Gas Boiler Thermostat, Programmable Thermostat

S2303RF combines a wireless link with a high resolution schedule: 48 time settings and two temperature levels per day, across a 7 day programme. The link runs on 868 MHz for more stable communication, and an LED system indicator on the receiver shows whether the boiler is being called. An AUTO/MANUAL switch lets an occupant override without losing the stored programme.



Key benefits

- 48 time settings per day give half hour resolution on a wireless unit
- 868 MHz link chosen for communication stability
- AUTO/MANUAL switch overrides without losing the programme
- LED system indicator shortens fault finding on site

Model	S2303
Backlight	Blue/
Material	Anti-flammable PC+ABS, ABS +
Weight	400g
Package Included	1Wireless thermostat 1

230V Boiler Heating Wireless Room Thermostat S2301RF

Wireless Thermostat, 230V Wireless Thermostat, Gas Boiler Thermostat, Non-Programmable Thermostat

This is S2301RF described as the 230V boiler heating wireless room thermostat: an 868.35 MHz link, a large push button, and heating, cooling and frost protection modes. It can be wall mounted or stood on a base, and an LED system indicator shows whether the boiler is being called. A low battery indicator and room temperature calibration complete the set.



Key benefits

- 868.35 MHz link described as giving more stable communication
- Frost protection alongside heating and cooling
- Wall mount or base mount, so the unit can sit where sensing is accurate
- LED system indicator shows the call for heat at a glance

Model	S2301
Backlight	Blue/
Material	Anti-flammable PC+
Weight	400g
Package Included	1Wireless Thermostat 1

WiFi Electronic Programmable Thermostat

WiFi Smart Thermostat, 230V WiFi Smart Thermostat, Gas Boiler Thermostat, Programmable Thermostat

ST2602WIFIRF is the dual protocol model: the room unit talks to the receiver over an 868.35 MHz RF link with a range of about 200 m in open terrain, and the receiver has a WiFi module built in for app control. That means the heating keeps working on the local RF link even when the internet drops, while iOS and Android apps still give remote access when the network is up.

Key benefits

- RF link and WiFi in one system, so local control survives an internet outage
- 868.35 MHz link with about 200 m range in open terrain
- iOS and Android apps for remote access
- 7 day, 5/2 day and 24 hour programmes with a factory pre-set schedule



Programmability	7 Day, 5/2 Day and 24 hour Programmable
Power Supply	230VAC, 50HZ
Power Source	DC 2 x AAA 1.5V
Switchable Voltage	24 V AC / DC,...250 V AC; 50Hz
Switchable Current	6 A (2 A inductive load)
Maximum Load	6(2)A, 230V
Temperature Range	0°C-40°C in 0.1°C
Control Temp.Range	5°C-35°C in 0.5°
Temp.Meas.Accuracy	±1°C (at 20°C)
Dimension	86 x 86 x 26 mm
Operating Frequency	868.35MHZ
Transmission Distance	approx. 200m in open terrain
Consumption	6W
Receiver	WiFi module built-in