

## RF wireless 7-day programmable room thermostat



### Product code – 340022

The Center RF wireless 7-day programmable room thermostat provides efficient and automatic control of domestic heating systems.

The Center thermostat features efficiency-centric technology for the ongoing benefit of the end user. This includes adaptive control technology which maintains the internal temperature of the home by matching the heating system output to the current demand, and optimum start & stop technology which drastically increases both the efficiency and comfort of your heating system by learning its warm-up\cool-down response times in order to calculate the appropriate time for the heating system to be activated and switched off. The incorporation of these technologies makes this thermostat fully Boiler Plus compliant.

The above features along with a host of additional installer and user orientated features make the Center RF wireless 7-day programmable room thermostat the perfect choice for installers that value speed and ease of installation and for home owners that require high levels automatic heating control whilst also prioritising energy efficiency across a broad spectrum of boilers and heating systems.



UK  
CA

CE



### Features & benefits

- Boiler Plus compliant
- Minimalistic and modern design; discreetly blends-in to any type of home
- Adaptive control function – accurately and efficiently helps maintain the required temperature setting
- Optimum start & stop technology – drastically increases the efficiency of your heating system
- Factory pre-bound to the RF receiver unit – allows for simple, fuss-free installation
- Wall-mounting backplate and table stand included allows for the ultimate installation flexibility
- Large back-lit LCD display with time and temperature makes it easy to read current and desired temperature setting
- Simple and ergonomic user interface with only 5 buttons – makes it very easy to use and setup heating programmes
- 7-day or 5/2-day heating program to match your lifestyle, whilst maximising energy savings
- Choice of up to 4 independent temperature periods per day with a copy function
- Battery powered (with low-power indicator)
- 'Active' / 'In use' confirmation makes it easy to identify if the heating is on or off
- 24-hr and 12-hr clock display format option with automatic time clock adjustment for 'Daylight Saving Time'
- Built-in Memory holds the user program indefinitely
- Operating temperature range 0°C to 40°C



Plumbing

Heating

Cooling

Drainage

Pipe

Parts

WOLSELEY



The Specialist Merchant

- Current set-point temperature always displayed
- OFF position has an integral frost protection setting at minimum 5°C so that pipes in the house will never freeze
- Automatic or Manual operation, with temporary or permanent overrides possible
- Alert messages to assist in fault finding
- User menu allows extra functions to be set at the discretion of the user;
  - Heating schedule
  - Date and time setting
- Installer menu allows extra functions to be set at the discretion of the installer to match the homeowner's applications and needs;
  - Upper/lower set point limit adjustment
  - Minimum ON/OFF time
  - Fail safe mode
  - Clock format (12 or 24-hour)
  - Daylight saving time change (DST)
  - Temperature display offset
  - Optimum start
  - Optimum stop
  - Factory reset
  - Binding

## Directives, standards & environmental compliance

- Compliant with the essential requirements and other relevant provisions of;
  - Radio Equipment Directive (R.E.D) 2014/53/EU
  - Electromagnetic Compatibility Directive (EMC) 2014/30/EU
  - Low Voltage Directive (LVD) 2014/35/EU
  - Energy Related Product Directive (ErP) 2009/125/EU
  - ETSI EN 300 220-1 2017 (V3.1.1) Short Range Devices (SRD)
  - ETSI EN 300 328-1 Electromagnetic Compatibility
  - EN 55014-1:2006+A2:2011 Electromagnetic Compatibility
  - EN 55014-2:2015 Electromagnetic Compatibility
  - EN 60730-1:2016 Automatic Electrical Controls General Requirements
  - EN 301 489-3 Electromagnetic Compatibility Radio Equipment & Services
  - EN 61000-4-2 Electrostatic Discharge (ESD),
  - EN 61000-4-3 Radiated Immunity (RF Field)
  - EN 61000-4-4 Electrical Fast Transient Burst Immunity
  - EN 61000-4-5 Surge Immunity
  - EN 61000-4-6 Conducted RF Immunity
  - EN 61000-4-8 Magnetic Field Immunity
  - EN 61000-4-11 Voltage Variation
- ErP: Class IV (+2%) (EU) 811/2013
- Humidity range: 10 to 90% rhs, non-condensing

## Technical specifications

### Wireless thermostat

- Room Temperature display range: 0°C to 50°C
- Time display: 24-hour or 12-hour AM/PM format
- Time keeping accuracy: +/- 10mins per year
- Program: 7-day schedule with daily time and temperature level changes
- Time setting resolution: Program 10minute steps
- Sensing element: 10k (25°C) NTC thermistor
- Temperature Setting range: Program 5°C to 35°C, OFF 5°C
- Power: Powered by 2 x AA batteries
- Shipping & Storage: -20°C to 55°C

### RF communication

- RF operation band: ISM (868.0-868.6) MHz, 1% duty cycle
- Max, power: 25mW
- Protocol: Encrypted
- Comm. Range: 30m in residential building environment
- Comm. Technology: Short, high rate transmissions to minimise air time and avoid collisions
- Receiver class R.E.D.: RX Cat 2 (ETSI EN300 220-1 version 1.3.1)

### Receiver box

- Power: 230VAC
- Electrical rating:
  - 230V~, 50..60Hz, 0.5A to 5A resistive, 0.5A to 3A inductive (0.6 pf)
  - 24V~, 50..60Hz, 0.5A to 5A resistive, 0.5A to 3A inductive (0.6 pf)
- Wiring: Terminal block capable of accepting wires up to 1.5 mm<sup>2</sup>
- Wire access: From back via large wall box opening, from side with optional knock outs  
Mains wiring – left, low voltage wiring - right

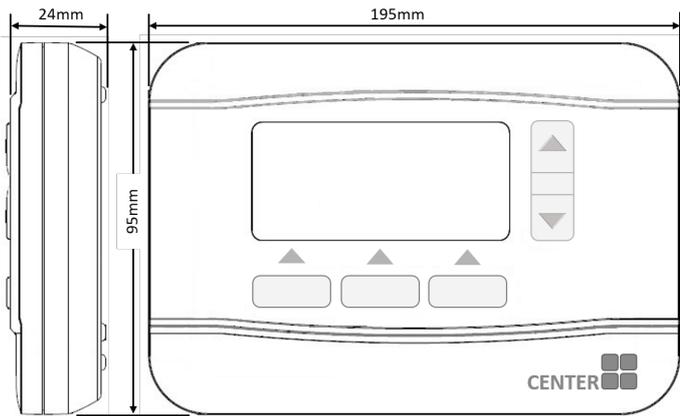
## Important information

- Installation should be carried out by a competent person
- It is the installer's responsibility to carry out a thorough assessment of the installation environment (i.e. wall type/ structure and system) and use appropriate fixings
- Care should be taken when drilling to avoid any hidden wires or pipes
- For internal use only

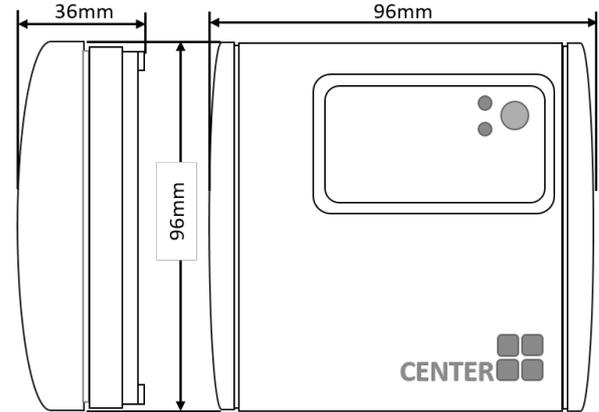


## Dimensions

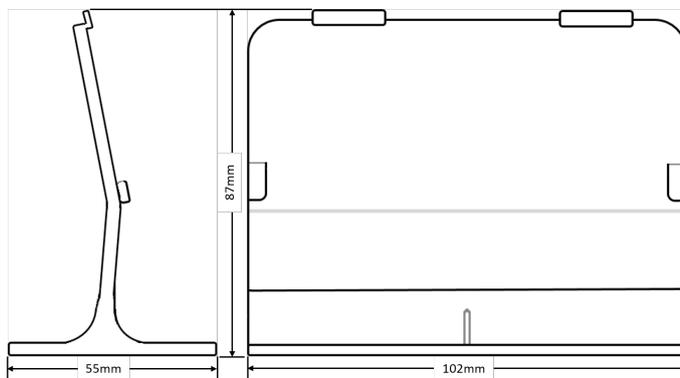
### 340022 | Thermostat



### 340022 | Receiver Box



### 340022 | Thermostat Stand



#### WEEE Directive 2012/19/EU

At the end of the product life dispose of the packaging and product in a corresponding recycling centre. Do not dispose of the unit with the usual domestic refuse. Do not burn the product.

#### Warranty

2 years from date of purchase - Proof of Purchase required  
Should you require any technical help in association with your purchase please contact our Customer Service Team on 0344 292 7062 or visit our website: [wolseley.co.uk](http://wolseley.co.uk)

The information contained on this page was correct at date of issue. Fitting dimensions are provided as a guide only. Some variation may occur due to manufacturing tolerances. We pursue a policy of continuing improvement in design and performance of products and so reserve the right to change specifications without prior notice.

