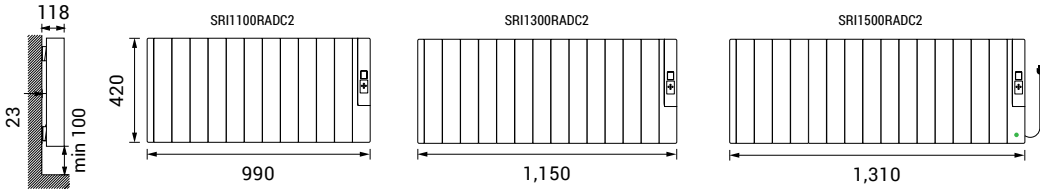# SYGMA SHORT

## ELECTRIC RADIATOR WITH THERMAL FLUID

- High-purity 100% recycled aluminium body
- High heat transfer thermal fluid
- Wall-mounted, easy to install
- TFT screen and mechanical keypad
- 24/7 programming
- Compatible with Rointe AIR or BASIC remote controls (sold separately)
- Energy-saving functions: Open Windows
- Energy efficiency tech: Fuzzy Logic Energy Control [1]
- Works with renewable energy sources like solar/PV for sustainable heating
- Guarantee: 10 years body | 3 years electronics

| MODEL | SRI1100RADC2 | SRI1300RADC2 | SRI1500RADC2 |
|---|---|---|---|
| **TECHNICAL CHARACTERISTICS** | | | |
| No. Heating Elements | 11 | 13 | 15 |
| Nominal Power (W) | 1,100 | 1,300 | 1,500 |
| Effective Power (W) [2] | 418 | 494 | 570 |
| Voltage (V) | 220-240 | 220-240 | 220-240 |
| Frequency (Hz) | 50 | 50 | 50 |
| Current (A) | 4.8 | 5.7 | 6.5 |
| Finish | White RAL 9016 | | |
| **DIMENSIONS** | | | |
| Height (mm) | 420 | 420 | 420 |
| Width (mm) | 990 | 1,150 | 1,310 |
| Depth (mm) | 95 | 95 | 95 |
| Installed Depth (mm) | 118 | 118 | 118 |
| Weight (kg) | 15.2 | 18.8 | 21.6 |
| Heats Room Size (m²) [3] | up to 8 | up to 9 | up to 11 |
| **DIAGRAM** | | | |



| **MATERIALS** | |
|---|---|
| Body | High purity aluminium (100% recycled) |
| Control Panel / End Casing | Fire-proof PC/ABS (non yellowing) |
| Interior | Oil filled |
| Heating Technolgy | Thermal Fluid tech |
| **ELECTRONICS** | |
| Battery | 3V |
| Electronic Components | SMD |
| Energy Control Element | TRIAC |
| Temperature Sensor | NTC High Precision ± 0.1ºC |
| Cable Length | 1.7 m |
| Plug | UK 3 Pin with 13A fuse |
| **SAFETY** | |
| Safety Thermostat & Overheat Detection | ✓ |
| IP Rating | IP24 |
| Protection Grade | Class I |

# SYGMA SHORT

ELECTRIC RADIATOR WITH THERMAL FLUID

| MODEL | SRI1100RADC2 | SRI1300RADC2 | SRI1500RADC2 |
|---|---|---|---|
| **TEMPERATURE** | | | |
| Manual Adjust Temperature | 7 to 30ºC | | |
| Temperature modes | Off, Anti-Frost, Eco, Comfort | | |
| Anti-Frost Temperature | 7ºC | | |
| Eco Range Temperature | 7.5 to 18.5ºC | | |
| Comfort Range Temperature | 19 to 30ºC | | |
| Ambient Temperature Stability [4] | ± 0.25 ºC | | |
| **ENERGY SAVING TECHNOLOGIES & FUNCTIONS** | | | |
| Energy Control Technology [1] | Fuzzy Logic Energy Control - up to 62% less of its nominal power [2] | | |
| Programming | 24/7 | | |
| Preset Heating Programs | ✓ | | |
| Adaptive Start | - | | |
| Open Windows | ✓ | | |
| User mode | - | | |
| Hotel mode | - | | |
| Presence Detector | - | | |
| Pilot Wire | Only when specifically ordered | | |
| Programming modes | Manual/Automatic | | |
| Consumption Meter | ✓ | | |
| **CONTROLS & INTERFACE** | | | |
| Operation Via Rointe Heating App | - | | |
| Operation Via Remote Control | ✓ | | |
| Operation Via Control Panel | ✓ | | |
| Screen | 1.77" TFT | | |
| Interactive Menus | ✓ | | |
| Control Panel Lock | Via control panel | | |
| Remote Control Lock | Via Rointe AIR or BASIC remote control | | |
| Keypad | Mechanical | | |
| **WIFI CONTROL & TECHNOLOGIES** | | | |
| Built-In WiFi (2.4 GHz) | - | | |
| WiFi Direct [5] | - | | |
| Rointe Heating App Control | - | | |
| Rointe Heating App Platforms | - | | |
| Works with Amazon Alexa & Google Assistant | - | | |
| Control by Geolocation | - | | |
| True Real Power Consumption meter | - | | |
| Cost & Consumption control | - | | |
| Customisable Screen Colour | - | | |
| Comfort Index [1] | - | | |
| AIH System [1] | - | | |
| **INSTALLATION** | | | |
| Mounting | Wall | | |
| Direction | Horizontal | | |
| Supplied With | Plug, Cable, Installation Kit (template, brackets, screws), User Manual | | |
| **PACKAGING INFORMATION** | | | |
| Height (mm) | 500 | 500 | 500 |
| Width (mm) | 1,010 | 1,190 | 1,350 |
| Depth (mm) | 140 | 140 | 140 |
| Gross Weight (kg) | 17 | 21 | 24 |
| **GUARANTEE** | | | |
| Aluminium Body Guarantee | 10 years | | |
| Electronic Components Guarantee | 3 years | | |

# SYGMA SHORT
## ELECTRIC RADIATOR WITH THERMAL FLUID

| MODEL | SRI1100RADC2 | SRI1300RADC2 | SRI1500RADC2 |
|---|---|---|---|
| **APPROVALS, CERTIFICATIONS & CONFORMITIES** | | | |
| CE | | ✓ | |
| UKCA | | ✓ | |
| NF | | - | |
| RoHS | | ✓ | |
| ERP Ready - LOT20 | | ✓ | |
| ETIM Class | | EC000593 | |
| **COMPATIBLE ACCESSORIES** | | | |
| Protective Grill/Cover | | ✓ | |
| Remote Control (Infrared) | | ✓ | |
| Wheels | | ✓ | |

1) Available from Q3/Q4 2023. 2) Values based on the use of patented energy optimisation technology for a temperature of 21ºC. Tested by independent laboratories. 3) In a cold climate zone classified by Rointe. Please use the Rointe online calculator for more accurate calculations according to location and room parameters: https://rointe.com/uk/calculate-heating/.
4) Temperature stabilisation measured over stationary period at 21ºC. 5) Compatible with 2.4 GHz. No need for gateways or other connections.

Available
Finishes/Colours



White RAL 9016