

RT110

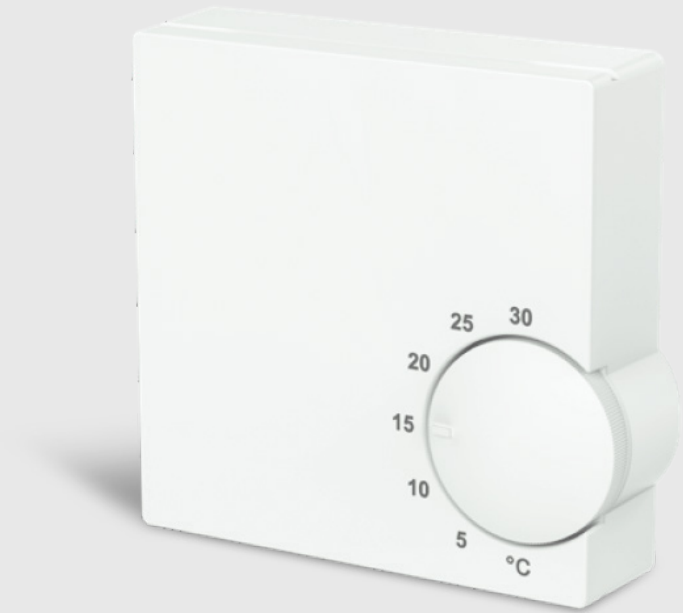
Electronic Dial Thermostat

About this product...

The RT110 Electronic Dial Thermostat by SALUS Controls is a simple and efficient temperature control device designed for reliable performance and ease of use. It operates on a 230V power supply and allows precise temperature adjustment between 5°C and 30°C with an accuracy of $\pm 1^\circ\text{C}$. The thermostat features Valve Protection (VP) to prevent valve seizing and Proportional Control (PWM) for smooth, consistent heating performance. Heating (NO) or cooling (NC) via volt-free contacts; only one active at a time. Its durable, user-friendly design ensures comfort, safety, and long-term reliability for residential or commercial environments.

Features

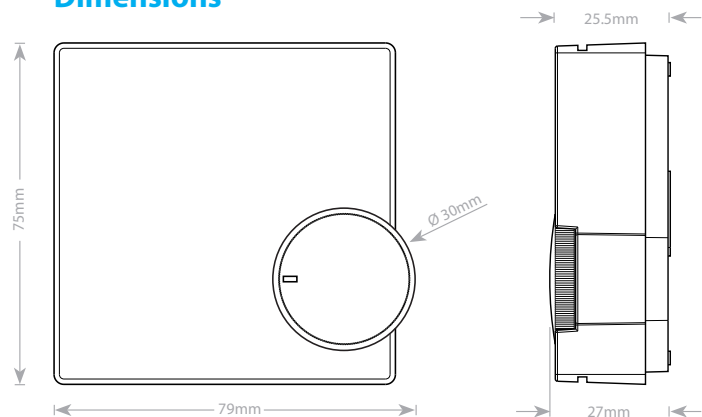
- **Precise Temperature Control** – Adjustable from 5°C to 30°C with an accuracy of $\pm 1^\circ\text{C}$, ensuring consistent and comfortable indoor temperatures
- **Valve Protection (VP)** – Automatically activates the valve once a week for 5 minutes to prevent seizing during long periods of inactivity
- **Proportional Control (PWM)** – Uses 5-minute heating cycles to maintain stable room temperatures and improve energy efficiency
- **Dry Contact Compatibility** – Equipped with 5 terminals (L, N, COM, NO, NC) for flexible integration with a variety of heating or cooling systems
- **Auto Safety Cut-off** – Includes software protection that automatically switches off heating if the room temperature exceeds 35°C, ensuring safety and reliability.
- **Compact and Durable Design** – Small footprint of 75 x 79 x 27 mm, designed for easy wall mounting in well-ventilated indoor environments.
- 5 Years Warranty



Specification

Power Supply	230V AC, 50Hz
Load	3 A resistive / 1 A inductive
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Dimensions (W x H x D)	75mm x 79mm x 27mm
Guarantee	5 Years Warranty

Dimensions



RT110 Electronic Dial Thermostat - Technical Data

Electrical and Mechanical Specifications

Power Supply	230V AC, 50Hz
Control Type	Electronic dial thermostat with proportional (PWM) or on/off control
Temperature Scale	°C (Celsius only)
Temperature Adjustment Range	5°C to 30°C
Temperature Setting Resolution	Continuous (analog dial)
Temperature Measurement Accuracy	±1°C at 25°C
Temperature Sampling Rate	Every 4 seconds
Valve Protection (VP)	Weekly 5-minute activation to prevent valve seizing
Proportional Control (PWM)	Maintains stable temperature in 5-minute control cycles
Auto Safety Cut-off	Heating output stops if room temperature exceeds 35°C
Mounting Type	Wall-mounted, vertical orientation, 1.5 m above floor level
Compliance	CE, UKCA certified; conforms to EU Directives 2014/30/EU, 2014/35/EU, and 2015/863/EU
Terminals	L - Live 230V N - Neutral COM - Relay Common - Volt free / 230V NO - Normally open - Max 230V - 3(1)A NC - Normally closed - Max 230V - 3(1)A
Dimensions (W x H x D)	75mm x 79mm x 27mm
Guarantee	5 Years Warranty



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