

**Touch Screen Weekly Programmable (5+1+1) Heating Thermostat
R309**



R309 Temperature Controller

Operating Modes: Manual Mode, Automatic (5+1+1 Programmable, 6 Time Zones), Comfort, Energy Saving, and Frost Protection

Size of LCD Display: 80x55.8mm(3.15x2.20")

R309 is transmitter, 220 or 110 \pm 10% Vac, 50/60Hz

Current Load: 10A (Resistive)
Ambient Temp. Range: 0~99.5°C
Setpoint: 5~45°C/41~113°F (Comfort Mode)
 5~45°C/41~113°F (Energy-saving Mode)
 5~15°C/41~59°F (Holiday Mode)
Accuracy/Tolerance : +/-0.5°C **Timing Tolerance :** <1%
Thermistor : 10K Ω @25 °C
Storage Conditions Temp. -10~60 °C **Humidity:**< 90% r.h.
Frequency: 433 Hz(defaulted) , 846 Hz(customized)
Backup Setpoints and other parameters is able to retained when batteries are replacing, except Time setting.(If replacing batteries quickly, time setting should be retained as well). Please check and set the time again if it is lost.

Application

R309 is used to control the room temperature in Heating or Cooling systems. Typically applications include:

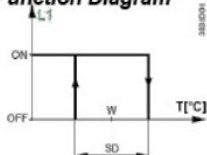
- ☐ Homes
- ☐ Residential buildings
- ☐ Schools
- ☐ Offices

The Controller can be used together with following equipment or device:

- ☐ Thermal Valves or Zone Valves
- ☐ Combi Boilers
- ☐ Gas or Oil Burners
- ☐ Fans
- ☐ Pumps

Specification

✳ **Function Diagram**



- T** Room Thermostat
- SD** Switching differential (1K)
- W** Room temperature setpoint
- L1** Output Signal for Heating

✳ **General Information**

Casing Material: ABS & Acrylic
LCD Backlight: 80x55.8mm(3.15x2.20")
Power Supply: 220 or 110 \pm 10% Vac, 50/60Hz