

Package content



SQ60524(WB) Room Thermostat



1 x Installer Manual



Fixing Screws

Icons used in this manual:



Safety



Important info



Your benefit

Product Description

Thank you for purchasing the SQ60524(WB) Thermostat. This thermostat is a device that lets you customise the heating and cooling of your home as needed. The SQ60524(WB) is an electronic room temperature controller which offers key advantages over conventional mechanical products. The controller is easy to operate using the conventional backlit adjusting dial and offers you unique control convenience for heating applications of all types thanks to the high quality device electronics. We hope you enjoy our product.

Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com



Safety Information

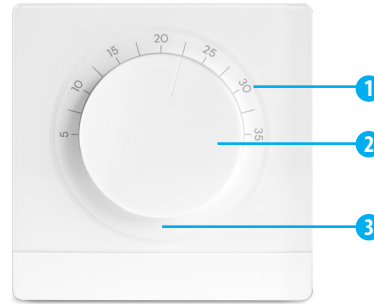
Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations. Disconnect your equipment before cleaning it with a dry cloth.



Warning:

Please always ensure the AC 24V mains power is switched off before installing or working on any components.


User interface



1. Temperature scale
2. Dial button
3. LED

Temperature is set by turning the knob to wanted temperature: 5° - 35°C.

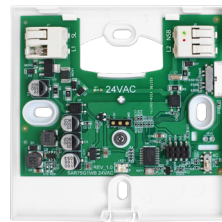
Installation

 The ideal position to locate the thermostat is 1,5 m above floor level, far from heating or cooling sources. The thermostat can't be exposed to sunlight or any extreme conditions, for example draft. It should be mounted in a location where the thermostat is easily accessible and away from direct sunlight.

1. Gently remove front housing and make the wiring connections



2. For wall mounting, mark the correct position on the wall and mount the rear case to the wall.



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For PDF Installation guide please
go to www.salus-manuals.com

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Units 8-10 Northfield Business Park
Forge Way, Parkgate
Rotherham
S60 1SD
United Kingdom

SALUS Controls plc

Room Thermostat

Model: SQ60524(WB)

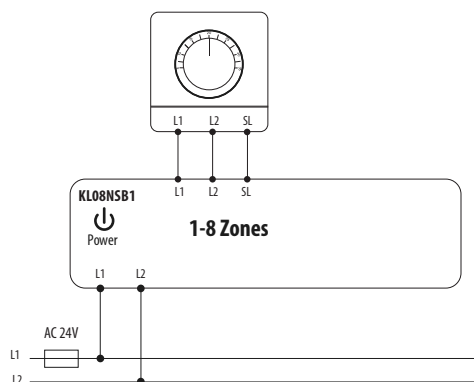


INSTALLER MANUAL

Terminals description

Terminal	Type	Function
L1	Power	24VAC Live
L2	Power	24VAC Neutral
SL	Output	24V Switched Live
NSB	Input	Night Set Back Input (24V Active)

Connecting to KL08NSB1 Wiring center (purchased separately)



Switches

Slide Switch on the side with 3 positions:

UP-Heat Mode

Middle-OFF Mode

Down - Cooling mode

Default position is UP (Heat mode).



Thermostat functions

Heat Mode

Side switch in the upper position.

Cooling Mode

Side switch in the lower position.

OFF Mode

The thermostat will be turned off when the side switch is in the middle position.

NSB (Nigh Set Back) function

NSB mode depends on the NSB wired connection: 0V = NSB OFF; 24V = NSB ON

When NSB is ON the temperature will be set back to 2°C or 4°C according to the dipswitch setting located inside the thermostat.

The Dip Switch is located inside the Thermostat - NSB 4C/2C Night Set Back Default 2C.



Protection functions

Heat cut off


When the room temperature is over 36°C heating output will be turned off.

Cooling cut off

When the room temperature is under 4°C cooling output will be cut off.

Short cycle protection

When the cooling mode is enabled the minimum interval between On/OFF is 3 minutes.

 When the cooling mode is enabled thermostat respects minimum time interval of 3 minutes between next stop/start cooling signal.

Control Pattern – Span +/- 0,5°C

Heating mode

The thermostat will start heating when the room temperature will get below the setpoint. The thermostat will stop the Heating function when the room temperature is on set point or above.

Cooling mode

The thermostat will start cooling when the room temperature gets above the setpoint. The thermostat will stop the Cooling function when the room temperature is on setpoint or below.

LED Indicators



Output Call	LED indication
Idle	OFF
Heat demand	RED
Cooling demand	Blue
Sensor failure	Red (Flashing in 1Hz)
Knob Failure	Blue (Flashing in 4 Hz)

Technical specification

Model:	SQ60524(WB)
Voltage:	24VAC, ± 10%, 50/60 Hz
Temperature setback:	2°C-4°C
Temperature range:	5°C - 35°C
Span	± 1 / 0.5°C
Storage temperature:	-20°C - 60°C
Ambient temperature:	0°C - 45°C
Operating humidity (Non condensed)	5 – 95 % RH
Degree of protection:	IP30
Terminal connection:	Screwless type for solid-core wire (max wire gauge 1 mm ²)
Weight:	≈70 g
Valve protection	Yes
Heating and cooling	Yes. Manual modes changeover.
Dimension:	86 mm x 86 mm x 15,5 mm