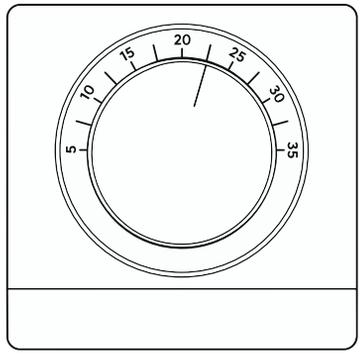
SALUS CONTROLS

EN



SQ60524 (WB)

ROOM THERMOSTAT

QUICK GUIDE

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ISO 9001 QUALITY MANAGEMENT

UKAS MANAGEMENT SYSTEMS 0015

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10/2026

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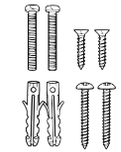
Package Content



SQ60524 (WB)
Room Thermostat



Quick Guide



Fixing Screws

Product Description

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.

Product Compliance

This product complies with the following EU directives: GPSR 2023/988/EU, EMC 2014/30/EU, LVD 2014/35/EU, and RoHS 2015/863/EU and 2017/2102 , REACH 251 SVHC 1907/2006. The full text of the EU Declaration of Conformity can be found at the following web address: www.saluslegal.com.

Safety Information

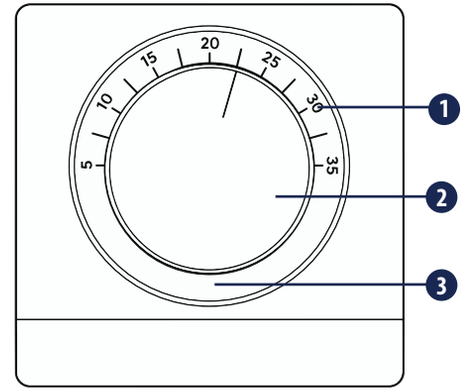
Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations. Disconnect your equipment before cleaning it with a dry cloth.

WARNING!

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

User Interface

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

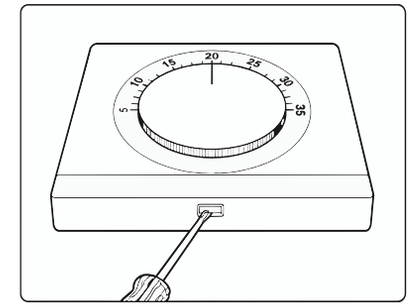


1 Temperature scale 2 Dial 3 LED

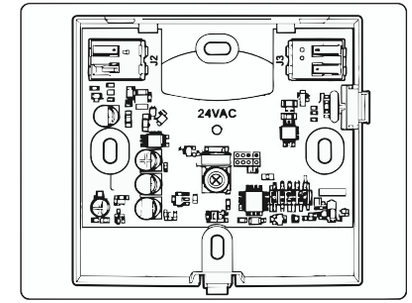
Installation

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



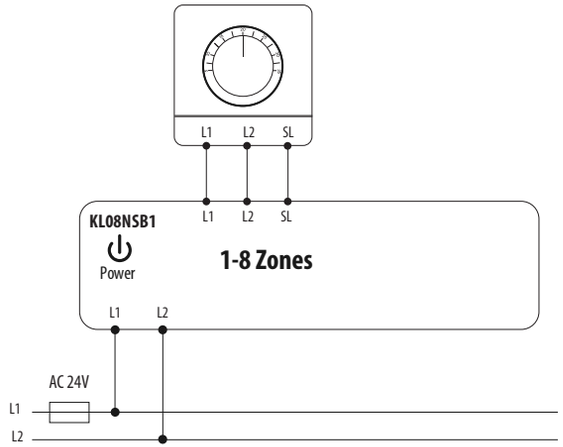
2. For wall mounting, mark the correct position on the wall and mount the rear case to the wall.



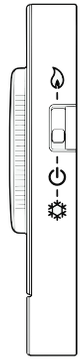
Terminal Description

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.

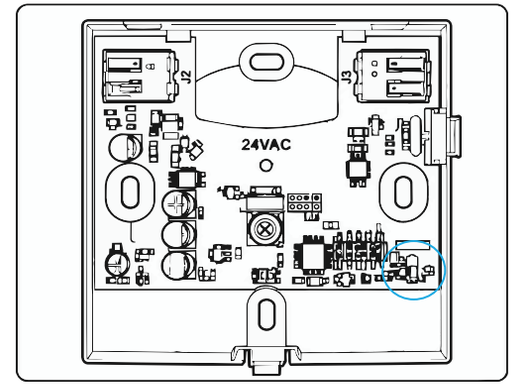
Cooling Mode
Side switch in the lower position.

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

NSB (Nigth Set Back) function
NSB mode depends on the NSB wired connection: OV = NSB OFF; 24V = NSB ON
When NSB is ON the temperature will be set back to 2C or 4C according to the dipswitchsetting located inside the thermostat.

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

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 36C heating output will be turned off.

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

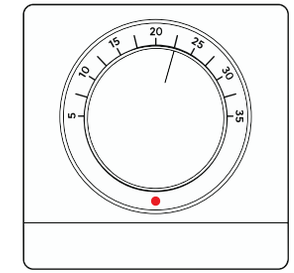
Short cycle protection
When the cooling mode is enabled the minimum interval between On/OFF is 3 minutes.
When the cooling mode is enabled thermostat respects minimum time interval of 3 minutes between next stop/start cooling signal.

Control Pattern - Span +/- 0,5C

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 termostat 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 (Flashng in 4 HZ)

Technical Specifications

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