

SLPB CONTROLLER



Installation & Control Guide for SLPB Wireless Controller

All electrical appliances produced by the Company are guaranteed for one year against faulty materials or workmanship. This applies only if the appliance has been used for purposes in accordance with the instructions provided and has not been connected to an unsuitable electricity supply, or subject to misuse, neglect, damage or modified or repaired by any person not authorised by us. This guarantee is offered to you as an extra benefit and does not affect your legal rights.

The correct electricity supply voltage is shown on the rating label attached to the appliance.

Reasonable care has been taken to ensure that this guide is accurate at the time of printing. In the interest of progress the Company reserve the right to vary specifications from time to time without notice.

CUSTOMER HELPLINE

Should you need any advice on the use of your new Consort product, please contact our Helpline:

Consort Equipment Products Limited

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Operation hours: Mon to Thu 8.30am to 4.30pm | Fri 8.30am to 3.30pm

BS EN ISO 9001 Registered Company No FM12671

SLPB Wireless Controller

Installation and User Guide

WARNINGS

- Do NOT handle the appliance with wet hands.
- Do NOT use the appliance in workshops or rooms with high dust exposure.
- Do NOT cover or restrict any aperture.
- Do NOT use the appliance if damaged.
- Do NOT leave the appliance unattended where young children are present.
- Ensure that nothing is pushed into any aperture of this controller.
- Operating temperature range -10 to +40°C.

2. Getting to know your SL wireless controller

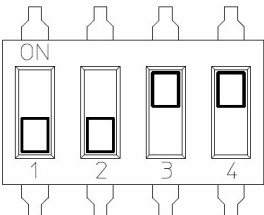
The SLPB controller can control multiple heaters within its RF range. The RF range can be extended if necessary, see product code SLEXT. The controller has 3 operating modes. The required mode must be set prior to the installation by using the switches located on the back of the controller. These modes are:

- Timer
- Basic
- Temperature Control

There are 4 light indicators located around the button showing the status of the controller.

3. Timer Mode

For timer mode, the switches are set as shown below.



In timer mode, switch 3 and/or 4 must be in the 'ON' position. This mode allows for 3 different settings which will alter the time period for each segment.

- Switch 3 - Each time period represents 5 minutes.
- Switch 4 - Each time period represents 15 minutes
- Switch 3 & 4 - Each time period represents 30 minutes

Controller functionality in timer mode:

In timer mode, the controller acts as a 4 stage run-back timer. When the controller is in stand-by mode and button is pressed, the first indicator segment will light up green and heating is activated. When pressed again the second segment will light up and so on. Each segment is representing a time period that is selected when setting switches 3 and/or 4.

In the example below, the only switch in the 'ON' position would be number 3. The button would be pressed four times to activate four 5-minute segments resulting in the heater staying on for 20 minutes. At the end of the last time period, the light indicators will be red for 4 seconds and then go off. The controller is now in stand-by mode.



4 Basic Mode

For basic mode, the switches are set as shown below.



Controller functionality in basic mode:

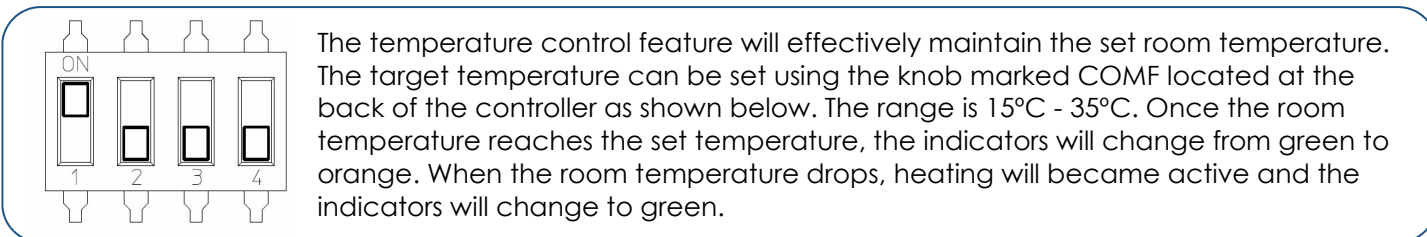
Press button to activate heating, press button again to set controller to stand-by.

When heating is active, the 4 light indicators are green. After pressing the button, heating is set to stand-by; the indicators will change from green to red for 4 seconds and then go off.

5. Temperature Control Mode

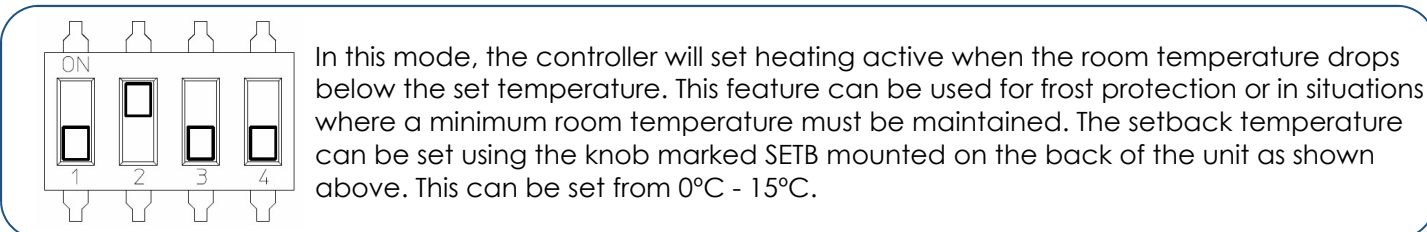
Temperature control for Comfort period

For this mode, switches are set as shown below.



Temperature control for Setback period

For this mode, the switches are set as shown below.



If the heating is active in the setback mode, the indicators will illuminate red and green.

Temperature control for comfort and setback periods can be used individually or together. This can also be used in conjunction with the timer mode options.

6. Changing temperature or timer settings after installation

The temperature and/or timer settings can be changed after installation. It is important to switch the power off to the controller before the changes are made. After the changes are made and the power is restored the new settings will take effect.

7. External Input

The controller can be switched off using any external device with voltage free contacts. For example, timers or a building management system.

If this function isn't used, a wire link across the external input connectors must be used.

When the external input connection is open, the indicators will light up red and the heating will be disabled. However, setback mode will still operate at low temperature.



8. Choosing a position in a room

The SLPB controller should be fixed to the wall. Avoid areas with draught or direct sun. Do not position the controller above or close to the heaters or other heat sources. Damp areas or areas where SLPB can be mechanically damaged should also be avoided. Avoid installing the controller in areas where there are metal objects between the heater and the controller. This will reduce the RF range. The RF range in ideal conditions can be up to 50m however this can be reduced when the signal is passing through the walls or other objects. The range can be also affected where the controller is mounted close to power cables, motors or equipment producing strong electromagnetic field. If the temperature control feature is used it is necessary to use one controller for each room or zone.

9. Installation

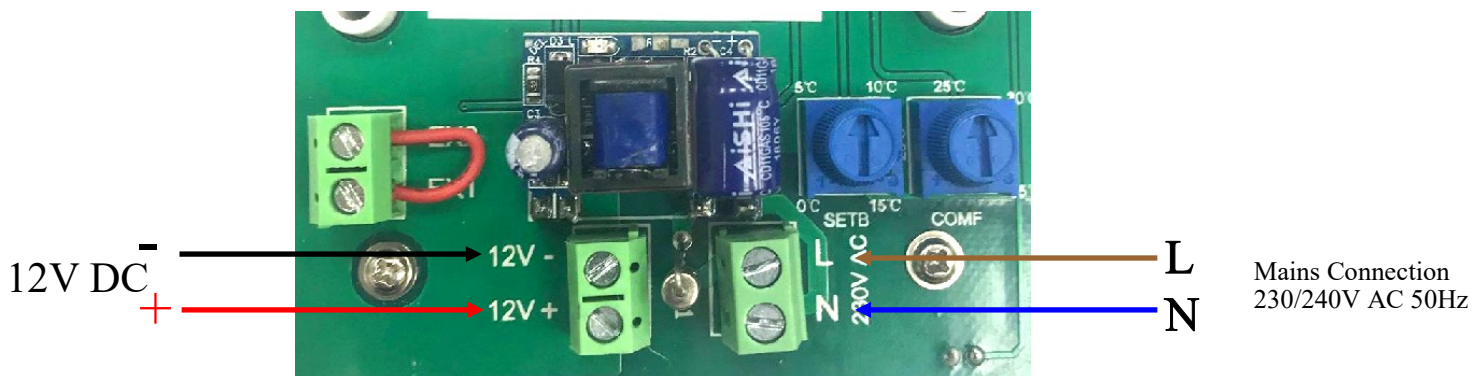
The controller is designed to fit onto most single gang back boxes. When a metal box is used this must be earthed. The controller can be powered by either mains 240VAC 50Hz or 12VDC. The power consumption is less than 1W. Do not connect mains voltage to 12V terminals, this will damage the controller. The maximum size wire that can be used is 1mm², this can be twin and earth or standard flex. Do not overtighten the connector screws. Take care not to damage the components when connecting the cables.

10. Connection to the Main Supply

For the mains power, connect L and N wires to the connectors marked as L and N. Electrical installation should be carried out by a competent installer, preferably registered with NICEIC (National Inspection Council for Electrical Installation Contracting) in accordance with the 17 edition of the IEE Wiring Regulations, (BS.7671), and any relevant Local Authority Bye-Laws.

11. Connection to 12V DC

Powering the controller with 12Vdc allows the controller to be installed in a zone 2 area, however, the installation must comply with the Separated Extra Low Voltage (SELV) requirements. When powered by 12VDC, please ensure that the power supply is suitable for 12V 0.1A. For 12VDC power connect positive wire to terminal marked +12V and negative to terminal marked -12V.



12 Self Diagnostic

The controller is equipped with a self diagnostic software that will check functionality of all main components. If there is a fault with any part of the controller or the controller is operating outside of the temperature limits, the 4 indicators will flash red. If this happens, controller will not function in order to protect itself and the heaters.

13. Pairing with heaters

In order to pair your appliance with the controller you must do the following:

- Ensure the controller is in the OFF position (the light segments off or red).
- Turn power to the appliance ON.
- Within 20 seconds, press and hold the ON button on the controller until the orange segments light up in a sequence.
- After the pairing is finished, the light segments will change to green.
- If the pairing was successful, the appliance should emit heat. It can take up to 4 seconds.
- Press the ON button to exit pairing and return to previous controller status.