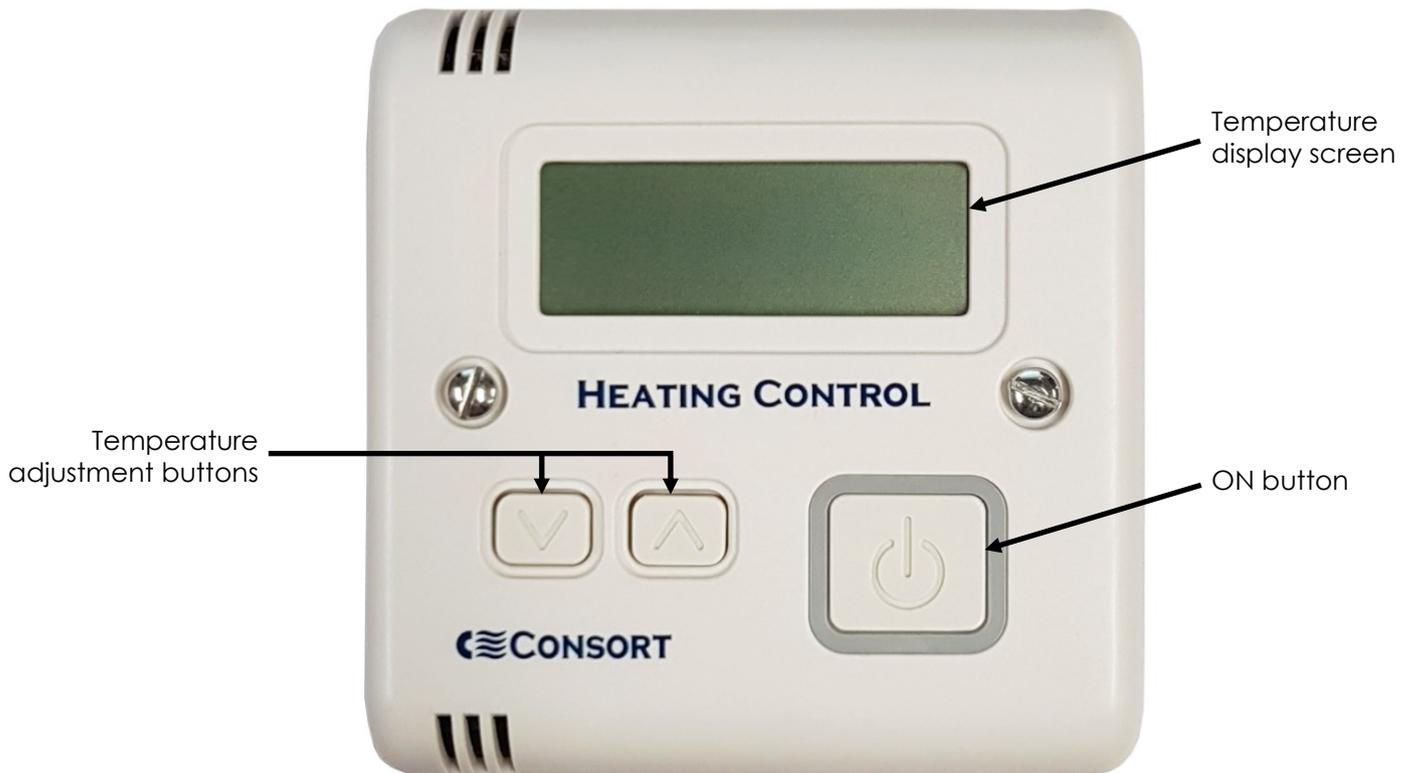


SLVTB CONTROLLER



Installation & Control Guide for SLVTB Battery Powered Wireless Controller

All electrical appliances produced for the Company are guaranteed for one year against faulty material 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.

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

Thornton Industrial Estate, Milford Haven, Pembrokeshire, SA73 2RT

Tel: 01646 692172 Fax: 01646 695195 Email: technical@consortepl.com Web: www.consortepl.com

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

BS EN ISO 9001 Registered Company No FM12671

SLVTB Wireless Controller

Installation and User Guide

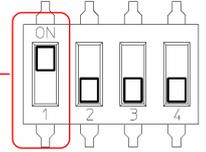
1. Getting to know your SLVTB wireless battery powered controller

The SLVTB controller can control an unlimited number of heaters. The controller has 2 operating modes. It has to be set to the required mode prior to the installation by using the switches located at the back of the controller. The controller is powered by two AAA batteries. The heating status and the room temperature are displayed.

Heating status :
h - heating active
h flashing - heating inactive, room at set temperature
h not shown - heating inactive



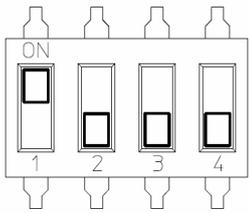
Temperature can be displayed in °C or °F. This can be changed by SW1.



Temperature not flashing : indicating room temperature
Temperature flashing : indicating set temperature when using UP or DOWN buttons

2. Temperature Control Mode

Temperature control for Comfort period



Switch 1 controls the display screen. If it is set to 'ON' the temperature is displayed as Fahrenheit. If it is set to 'OFF' the temperature is displayed as Celsius.
 Prior to installation the maximum comfort temperature must be set by using the knob marked COMF located at the back of the controller as shown below. The range is 15°C to 35°C. The maximum comfort temperature limits the comfort temperature that can be set by users after installation. After installation, the user can adjust the comfort temperature using the UP and DOWN buttons, in the range from 15°C up to the maximum comfort temperature set by the knob marked COMF.
 After pressing the on button the heating will operate until the set room temperature is achieved, at this point the 'h' indicator on the display will start flashing. When the room temperature drops the heating will become active again and the 'h' indicator will change from flashing to steadily on.
 The display screen will show the actual room temperature, except briefly when either of the two adjustment buttons are pressed, the new target room temperature is then temporarily displayed.

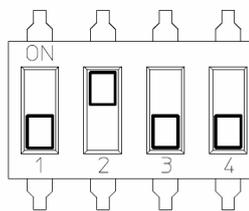
NOTE :
 After changing any settings, in order for the change to take place, the controller has to be set to heating inactive status.



Variable resistors to set maximum comfort and setback temperatures

Temperature control for Setback period

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



In this mode, the controller will set heating active when the room temperature drops below the set temperature. This feature can be used for frost protection or in situations where a minimum room temperature must be maintained. The setback temperature can be set using the knob marked SETB mounted on the back of the unit as shown above. This can be set from 0°C - 15°C.

If the heating is active in the setback mode, the display will show letter 'L' that is flashing.

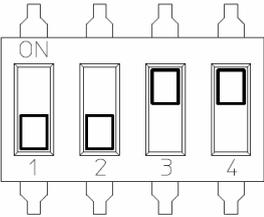
Symbol 'L' is flashing. Room temperature is below the set temperature. Heating is active.



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.

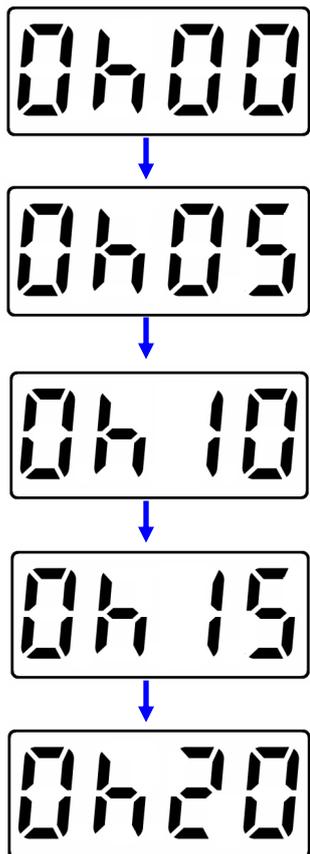
3. Timer Mode

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



In timer mode, switch 3 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



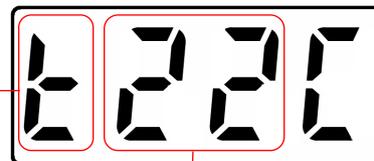
Controller functionality in timer mode:

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 display will show 0h00. When pressed again the display will show time for the first stage of the run back timer in minutes and heating is activated. When pressed again the display will show time for the second stage and so on. Each stage is representing a time period that is selected when setting the switches.

In the example, 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 controller is now in stand-by mode.

In the timer mode, the heating status is indicated by letter 't' at the first display position. If the On button is pressed the display will show remaining time. The remaining time can be increased at any time by pressing the On button.

Heating status :
t - heating active
t flashing - heating inactive, room at set temperature
t not shown - heating inactive



Temperature not flashing : indicating room temperature
Temperature flashing : indicating set temperature when using UP or DOWN buttons

4. Choosing position in a room

The SLVTB 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 the SLVTB 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 also be affected where the controller is mounted close to power cables, motors or equipment producing a strong electromagnetic field. If the temperature control feature is used it is necessary to use one controller for each room or zone.

5. Installation

The controller is supplied with a white plastic back box but it was designed to fit onto most single gang back boxes. The controller is powered by two AAA batteries that are supplied. To activate the controller pull the plastic tab located at the + battery terminal. The batteries should be replaced every 12 months.

6. 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 controller is operating outside of the temperature limits, the display will show 'Err' on the display. If this happens, controller will not function in order to protect itself and the heaters.

7. Pairing with heaters

In order to pair your appliance with the controller:

- Turn power to the appliance ON.
- Within 20 seconds, press and hold the ON button on the controller until the display shows 'PAIR'.
- After the pairing is finished, the display shows 'TEST'.
- If the pairing was successful, the appliance should emit heat. It can take up to 5 seconds.
- Press the button to exit pairing and return to default OFF state.

8. Warnings

- Do NOT handle the appliance with wet hands.
- Do NOT use the appliance in workshops or rooms where excessive dust is generated or present.
- Ensure that nothing is pushed into any aperture of this controller.
- 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.
- If used in a bathroom, the heater is to be installed so that it cannot be touched by a person in the bath or shower.
- Operating temperature range -10 to +40°C.