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1. Introduction

1.1 Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives 2014/53/EU and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com.

1.2 Safety Information

• Before starting installation work and before using the product, read the entire manual.
• The information contained in the instructions is essential for proper functioning.
• To avoid accidents resulting in personal injury and material damage, please follow all safety precautions, specified in this manual.
• The device should not be used by people with limited mental, sensory or mental abilities, without experience, of insufficient knowledge as well as children.
• Do not use an unassembled device (e.g., without a cover).
• The device may only be opened by a qualified person.
• Keep electrical devices out of the reach of children and ensure that they do not play with it. Children should not be left unattended. If necessary, disconnect the control system for the entire room.
• Do not leave the packaging, cabinet, or any loose parts of the device unattended, as they pose a risk to children.

WARNING!

• Installation must be carried out by a qualified person with appropriate electrical qualifications in accordance with standards and regulations in force in the given country and in the EU.
• Never try to connect the device other than as described in the manual.
• Before assembly, repair or maintenance as well as during any connection works it is absolutely necessary disconnect the mains supply and make sure that the terminals and electric wires are not live.
• The device may not be exposed to extreme temperatures, strong vibrations or subjected to mechanical shock.
• The device should not be used in unfavorable environmental conditions or in rooms where there is a concentration of flammable gases, fumes or dust.

WARNING!

• There may be additional protection requirements for the entire installation that the installer is responsible for maintaining.

Care for the natural environment is of paramount importance to us. The awareness that we manufacture electronic devices obliges us to dispose of used electronic components and devices safely. Therefore the company has received a registration number issued by the Chief Inspector for Environmental Protection. The crossed out symbol the trash can on the product means that the product must not be disposed of with ordinary waste containers. Sorting waste for recycling helps to protect the environment. It is the user’s responsibility to surrender used equipment to a designated collection point for recycling waste from electrical and electronic equipment.
The VS30W/VS30B from SALUS Controls is a stylish and accurate 5/2 or 24h programmable electronic thermostat with a large, easy to read Liquid Crystal Display (LCD). It is flush-mounted temperature controller dedicated for surface heating / cooling, characterized by high thermal inertia. It is connected to the wired wiring centre KLO8NSB. Thermostat has the function of creating your own schedules. It can control group (SLAVE) thermostats - via wiring centre it sends them an NSB (nighttime temperature reduction) signal and switches them to economic temperature. The time schedule is common to all thermostats (according to weekly (MASTER) thermostat), but temperatures are set individually on each thermostat.

The programmable room thermostat VS30W/VS30B is both a programmer and a room thermostat. A programmer allows you to set ‘ON’ and ‘OFF’ time periods to suit your own lifestyle. A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting and switching it off once this set temperature has been reached.

So, a programmable room thermostat lets you choose what times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs.

Turning a programmable room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler. Neither does the setting affect how quickly the room cools down. Turning a programmable room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy.

The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job. The best way to do this is to set low temperatures first, say 18°C, and then turn them up by one degree each day until you are comfortable with the temperatures. You won’t have to adjust the thermostat further. Any adjustments above these settings will waste energy and cost you more money.

**PRODUCT ADVANTAGES:**

- has a PWM control algorithm
- protection against too high or too low temperature using an additional FS300 floor sensor
- valve protection function
- an input for the additional temperature sensor
- has frost protection mode
- working with actuators of both types – NC and NO
- mounting in a ø 60 mm wall box
2. Montage

2.1 Package content

1) VS30W/VS30B thermostat
2) Short instruction
3) Mounting screws

2.2 Proper thermostat location

⚠️ Please note:

The ideal position to thermostat mounting is about 1.5m under floor level far from heating or cooling sources. Thermostat can’t be exposed to sunlight or any extreme conditions like for example draft.

Because of fire and explosion risk there is not allowed to use thermostat in atmosphere of explosive gases and flammable liquids (eg coal dust). In case if any of listed dangers occur you have to use additional protection measures — anti-dust and explosive gases (tight cover) or prevent their formation. Furthermore, thermostat can’t be used in condensation of water vapor conditions and be exposed to water action.

Wall mounting

Mounting: to mount thermostat you can use accessories included with the set (mounting screws). Remove back cover to mount the plate to the wall. After this just attach thermostat to the plate right into designed holes in the plate. The VS30 thermostat has been designed for flush mounting in a standard electrical box with a diameter of 60 mm.

Open the housing with a screwdriver - as shown in the pictures above.

Mount the plate to the wall using mounting screws, in the correct direction.

After all, attach the thermostat to the plate. Use the plastic hinges and make sure that wires are in the correct place with the thermostat.
2.3 Connection description

Legend:

- **T30NC** Thermal actuator
- **T** Temperature sensor

Symbols explanation:

- **L, N** - power supply 230V
- **NSB** - Night temperature reduction (230V output)
- **SL** - 230 V AC output signal
- **S1, S2** - additional temperature sensor eg. FS300
I A - 4 wire installation with KL08NSB wiring centre

When VS30W/VS30B thermostat works as a MASTER (group controller) it means it takes control of SLAVE thermostats e.g. VS35W. MASTER thermostat controls SLAVE thermostat only when SLAVE thermostat is in AUTO mode. Comfort (SUN) and economy (MOON) setpoint temperatures are set individually on each thermostat but switching between those temperature is based on time schedule taken from VS30W/VS30B thermostat which works like a group controller. Functions such as: setpoint temperature change, holiday mode, party mode or frost protection mode are not managed by MASTER thermostat.

**Diagram Description:**

- **Power Supply:** 230V AC

- **Actuators wires:** 2 x 0.75 mm²

- **Pump control wires:** 2 x 1 mm²

- **Boiler control wires:** 2 x 1 mm²

- **4 wires x 0.75 mm²** connection lines between the thermostats and wiring centre.

**Thermostat Connections:**

- **SLAVE**
  - VS35W/VS35B
  - VS35W/VS35B

- **MASTER**
  - VS30W/VS30B
  - VS30W/VS30B

**Components:**

- **T30NC230**
- **THB23030**
- **PUMP (optional)**
- **BOILER**
Legend:

**Boiler** - Boiler connection* - Boiler's contacts for ON/OFF thermostat (according to the boiler's instructions)

**Pump**

**T30NC** - Thermal actuator

Symbols explanation:

- L, N - power supply 230V

- **NSB** - Night temperature reduction (230V output - in MASTER thermostat) (230V input - in SLAVE thermostat)

- **SL** - 230 V AC actuator control signal

- - fuse
I B - 4 wire installation with KLO6 wiring centre

**Power Supply**
- 230V AC

**Actuators wires**
- 2 x 0.75 mm²

**Pump control wires**
- 2 x 1 mm²

**Boiler control wires**
- 2 x 1 mm²

**KL06**
- 4 wires x 0.75 mm²

**MASTER**
- VS30W/VS30B

**SLAVE**
- VS35W/VS35B
- VS35W/VS35B

**T30NC230**
- THB23030

**PUMP (optional)**

**BOILER**
Legend:

 Boiler – Boiler connection* - Boiler’s contacts for ON/OFF thermostat (according to the boiler’s instructions)

 Pump

 Thermal actuator

 Symbols explanation:

 L, N - power supply 230V

 - NSB - Night temperature reduction (230V output - in MASTER thermostat) (230V input - in SLAVE thermostat)

 - SL - 230 V AC actuator control signal

 NC, NO - voltage-free output

 - fuse

 Pump logic module (for KL06) connection diagram

 Pump and boiler logic module (for KL06) connection diagram
II - 3 wire installation with KL08NSB wiring centre

3 wire installation with KL08NSB wiring center. Description of the operation rules:

- VS30W/VS30B thermostat’s functionality is limited because of 3 wire installation. NSB function is disabled and VS30W/VS30B thermostat doesn’t work as a MASTER thermostat - no effect on other thermostats like VS35W/VS35B.
- schedules can be set individually on each VS30W/VS30B thermostats if system is equipped with more than one VS30W/VS30B thermostat.

⚠️ PLEASE NOTE!

The same operating rules apply to wiring center KL06.
Legend:

- **Boiler - Boiler connection*** - Boiler’s contacts for ON/OFF thermostat (according to the boiler’s instructions)
- **Pump**
- **T30NC** - Thermal actuator

Symbols explanation:

- **L, N** - power supply 230V
- **(NSB)** - Night temperature reduction (230V output)**
- **SL** - 230V AC actuator control signal
  - fuse

** - not used in 3 wire installation
III A - work with RM-16A relay module - volt-free heating source control

Connection of a 230 V AC voltage thermostat to a boiler (or other device) with an ON - OFF contact.

III B - work with RM-16A relay module - connection to a solid fuel boiler controller

Connection of a 230 V AC voltage thermostat to a solid fuel boiler controller with an ON - OFF contact.

PLEASE NOTE! Activate the thermostat in the solid fuel boiler controller.
III C - work with RM-16A relay module - connecting an electrical device with a higher power than the thermostat relay allows

PLEASE NOTE! The maximum current consumption of an electrical device should not exceed 16A.

Legend:

- Pump
- Valve actuator
- Heating mat

Symbols explanation:
- L, N - power supply 230V
- SL - 230 V AC control signal
- NO, COM, NC - voltage-free output
- - fuse
### 3. Before you start (first power up)

#### 3.1 LCD icon description

![Diagram of an LCD screen with labeled icons](image)

1. Current active mode
2. Comfort mode
3. Standard mode
4. Economic mode
5. Automatic mode
6. PARTY mode
7. Holiday mode
8. Frost protection mode
9. Temperature unit
10. Manual mode / temp. override
11. Current / set temperature
12. Program number
13. AM/PM
14. Key lock
15. Day of the week
16. Settings
17. Time
18. Additional temp. sensor
19. Cooling
20. Heating

#### 3.2 Button description

<table>
<thead>
<tr>
<th>Button Description</th>
<th>Function</th>
</tr>
</thead>
</table>
| \[ OR \] | 1. Increase or decrease setpoint temperature.  
2. Increase or decrease Day, Clock, Timer, Party and Holiday.  
3. Select installer parameter value. |
| \[ OR \] | 1. Mode selection.  
2. Moving between parameters. |
| \[ ] | 1. OK key: Short press to confirm selection.  
2. Long press to save and exit.  
3. When Main Screen – long press to enter the user settings. |
| \[ \] \[ \] | Hold down these buttons to lock or unlock the keyboard. |
| \[ \] + [ ] | Hold down these buttons to enter installer parameter settings. |

⚠️ **PLEASE NOTE!** The LCD screen can be activated by using any button.
3.3 First power up sequence

1. To power on the thermostat you have to connect it to the 230V power supply then...

2. ...display will show all icons...

3. ...then thermostat will display the software version.

4. Confirm by button.

5. Set time format “<” or “>” buttons. Confirm by button.

6. Set time (hours and minutes) using “<” or “>” buttons. Confirm by button.

7. Set date (year, month and day) using “<” or “>” buttons. Confirm by button.

8. After all, the main screen will be displayed.
4. Work modes

VS30W/VS30B offers a few work modes. Frame on a given icon indicates which mode is currently active. In manual mode \[\text{Frame}\], \[\text{or} \] only one temperature level is maintained. Thermostat follows programmed schedule when AUTO mode is active („A“ icon). Detailed description of work modes is located below:

- **Frame** - means that the work mode is active (the icon of the work mode must be in the center of the frame). For example:
  - means that comfort temperature mode is active
  - means that comfort temperature mode is inactive

- **Comfort temperature mode** - pre-defined setpoint temperature. Usually set when we are indoors. The highest maintained temperature in heating mode or the lowest if thermostat works in the cooling system. Acting alone works as a manual mode. Temperature range: from 5°C to 35°C.

- **Standard temperature mode** - pre-defined setpoint temperature. Usually set during the day when we are around the house. Acting alone works as a manual mode.

- **Economic temperature mode** - pre-defined setpoint temperature. Usually set at night or when we are out of the house. Acting alone works as a manual mode. Temperature range: from 5°C to 35°C.

- **Automatic mode temperature (schedule)** - follows programmed schedule. Schedule can be temporarily override with new setpoint temperature (temporary override mode will be active to the next change forced by schedule, hand icon will be displayed).

- **Party mode** - this mode sets the comfort temperature for a user-defined time (maximum 9 hours 50 minutes).

- **Holiday mode** - this mode sets the frost protection mode for a user-defined time (maximum 99 days).

- **Frost protection mode** - usually used during extended periods of absence or during the holidays (only available in heating mode). Temperature range: from 5°C to 17°C.

**Example - comfort temperature mode setpoint editing:**

1. Use \[\text{or} \] buttons to switch between work modes. Choose \[\text{Frame}\] in this case.

2. Use \[\text{or} \] buttons set temperature setpoint.

3. Confirm by \[\text{button}.

4. Thermostat will go back to the main screen after saving the settings.
5. User settings (basic settings)

5.1 Schedule mode - programming schedule

To program schedule, please follow steps below:

1. Hold button for 3 seconds to enter the menu.

2. Enter into the schedule settings.

3. There are 4 possible schedule variants. Use < and > buttons to select schedule variant and confirm by button:

   - Separate schedule for WORKING DAYS.
   - Separate schedule for WEEKENDS.
   - One schedule for WHOLE WEEK
   - Seven separate schedules for SINGLE DAYS
Schedule programming example for the WORKING DAYS variant:

Select schedule variant by ✓ button.

Use ✓ or ✓ buttons to set hour for the first program. Confirm by ✓ button.

Use ✓ or ✓ buttons to set minutes for the first program. Confirm by ✓ button.

Use ◀ and ▶ buttons to choose comfort or economic setpoint temperature.

Confirm by ✓ button.

Schedule editing will jump to the next program’s time setting. Set time for selected mode using ✓ or ✓ buttons again. Confirm by ✓ button.

Repeat steps 5 and 9 for the next time periods in the schedule to set whole program for selected variant. No time ---:-- on the display means given program is skipped. There are 6 programs/time periods in the schedule. Hold ✓ button for 3 seconds to save and exit schedule editing.

To run the schedule (activate thermostat's automatic mode), use ◀ and ▶ buttons to move the frame to the „A“ icon.
In addition to editing and creating your own schedule, there are also 5 default profiles for built-in schedules. You can select and customize any of the programs listed below. Default programs are selectable through Installer Parameters (parameter D17).

### Program Profile 1

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<td>3</td>
<td>16:00</td>
<td>☀️</td>
<td>☀️</td>
</tr>
<tr>
<td>4</td>
<td>23:00</td>
<td>☔️</td>
<td>☔️</td>
</tr>
<tr>
<td>5</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>6</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
<th>Heat set point</th>
<th>Cool set point</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7:30</td>
<td>☀️</td>
<td>☀️</td>
</tr>
<tr>
<td>2</td>
<td>23:30</td>
<td>☔️</td>
<td>☔️</td>
</tr>
<tr>
<td>3</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>4</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>5</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>6</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>
5.2 Time/Date

To set time/date follow steps below:

1. Hold  button for 3 seconds to enter the menu.

2. Go to the time and date settings using  button.

3. Choose time and date settings option by  button.

4. First, select time format (12/24h) using  and  buttons. Confirm by  button.

5. Set hour using  and  buttons. Confirm by  button.

6. Set minutes using  and  buttons. Confirm by  button.

DATE settings will automatically appear after clock setup:

7. Set year using  and  buttons. Confirm by  button.

8. Set month using  and  buttons. Confirm by  button.

9. Set day using  and  buttons. Confirm by  button.
5.3 Thermostat calibration

Thermostat calibration is a function which allows user to recalibrate internal thermostat’s temperature sensor by a given number of degrees (in the range from -3.0 °C to 3.0 °C in 0.5 °C steps). To calibrate thermostat’s temperature sensor please follow steps below:

1. Hold ✔ button for 3 seconds to enter the menu.
2. Go to the thermostat calibration settings using < and > buttons.
3. Move forward using > button.
4. Confirm by ✔ button.
5. Set temperature calibration value using ✔ and ➥ buttons.
6. To increase/decrease value use ✔ and ➥ buttons.
7. Confirm by ✔ button.
8. Thermostat will go back to the main screen after saving the settings.
5.4 Heat/cool mode change

The heating / cooling mode for the thermostat can be changed manually.

1. Hold √ button for 3 seconds to enter the menu.
2. Go to the thermostat calibration settings using < and > buttons.
3. Confirm by √ button.
6. Installer parameters

To enter installer parameters please follow steps below. Please refer to parameters table description before any changes. Use \( \downarrow \) or \( \uparrow \) buttons to move up or down between all parameters. Every change/selection confirm by \( \triangleright \) button:

1. Hold \( \triangleright + \downarrow \) buttons for 5 seconds to enter the installer mode.
2. Use \( \triangleright \) or \( \uparrow \) to choose code „49“.
3. Press \( \triangleright \) button to confirm.
4. Select installer parameter by \( \downarrow \) or \( \uparrow \) buttons. Use \( \triangleright \) or \( \downarrow \) buttons to change parameter value. Confirm choice by \( \triangleright \) button.

<table>
<thead>
<tr>
<th>dXX</th>
<th>Function</th>
<th>Parameter Values</th>
<th>Description</th>
<th>Default Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>d01</td>
<td>Control method temperature</td>
<td>0, 1, 2</td>
<td>This parameter defines the algorithm of the room temperature control.</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>PWM (Pulse-width modulation) algorithm ensures reduction of overdrive states and economic operation of the system. It is an advanced algorithm designed to precisely maintain room temperature.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>SPAN ± 0.5°C (± 1°F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>SPAN ± 1°C (± 1.5°F)</td>
<td></td>
</tr>
<tr>
<td>d02</td>
<td>Offset temperature</td>
<td>-3.0°C to +3.0°C</td>
<td>Offset room temperature measuring is a function which allows user to recalibrate internal thermostat’s temperature sensor by a given number of degrees (in the range from -3.0 °C to 3.0 °C in 0.5°C steps).</td>
<td>0.0°C</td>
</tr>
<tr>
<td>d03</td>
<td>Using a floor temperature sensor (S1, S2)</td>
<td>0, 1</td>
<td>Using a floor temperature sensor</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>No sensor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>Sensor is connected</td>
<td></td>
</tr>
<tr>
<td>d04</td>
<td>External sensor used for air or floor temperature measurement (Function is active, when d03=1)</td>
<td>0, 1</td>
<td>External sensor used for air or floor temperature measurement (Function is active, when d03=1)</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>Thermostat measures the temperature only on the external sensor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>The sensor is used as a protection against overheating the floor</td>
<td></td>
</tr>
<tr>
<td>dXX</td>
<td>Function</td>
<td>Parameter Values</td>
<td>Description</td>
<td>Default Values</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------------------</td>
<td>------------------</td>
<td>-------------------------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>d05</td>
<td>Cooling mode control method</td>
<td>1</td>
<td>SPAN ± 0.5°C (± 1°F)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>SPAN ± 1°C (± 1.5°F)</td>
<td></td>
</tr>
<tr>
<td>d06</td>
<td>Type of thermoelectric actuator</td>
<td>0</td>
<td>NO - normally open</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>NC - normally closed</td>
<td></td>
</tr>
<tr>
<td>d07</td>
<td>Valve Protection</td>
<td></td>
<td>Valve protection function is intended to protect thermostatic valves against getting stuck or jamming (e.g. in summer time when heating system is disabled). If thermostat doesn’t send a signal for heating for a period of 7 days, then heating is turned on for a very short period of time just to move the actuators.</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td>d08</td>
<td>Frost protection temperature</td>
<td>5-17°C</td>
<td>In Frost protection mode the thermostat is displaying actual room temperature and maintain „frost protection” setpoint temperature specified in thermostat settings. When thermostat works in Frost protection mode then you have no possibilities to change temperature setpoint.</td>
<td>5.0°C</td>
</tr>
<tr>
<td>d09</td>
<td>Clock format</td>
<td>0</td>
<td>12 hours</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td>d10</td>
<td>Time zone (reserved for internet wireless)</td>
<td>from -13 to +13 hours</td>
<td>It gives you the possibility to fit the thermostat time zone to yours (every 1 hour step).</td>
<td>0</td>
</tr>
<tr>
<td>d11</td>
<td>Daylight Saving Time (DST)</td>
<td>0</td>
<td>Off</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>On</td>
<td></td>
</tr>
<tr>
<td>d12</td>
<td>Heating temperature limit</td>
<td>5°C - 35°C</td>
<td>The maximum heating temperature that can be set by the user</td>
<td>35°C</td>
</tr>
<tr>
<td>d13</td>
<td>Cooling temperature limit</td>
<td>5°C - 40°C</td>
<td>The minimum cooling temperature that can be set by the user</td>
<td>5°C</td>
</tr>
<tr>
<td>d14</td>
<td>Maximum floor temperature</td>
<td>6°C - 45°C</td>
<td>In order to protect the floor from overheating, heating will be turned OFF, when the maximum temp. of the floor sensor will be reached.</td>
<td>27°C</td>
</tr>
<tr>
<td>d15</td>
<td>Minimum floor temperature</td>
<td>6°C - 45°C</td>
<td>In order to protect the floor, heating will be turned ON, when the minimum temp. of the floor sensor will be reached</td>
<td>10°C</td>
</tr>
<tr>
<td>d16</td>
<td>Lower floor temperature limit for cooling</td>
<td>6°C - 45°C</td>
<td>In order to protect the floor, cooling will be turned OFF, when the minimum temperature will be reached</td>
<td>6°C</td>
</tr>
<tr>
<td>d17</td>
<td>Choice of the default program</td>
<td>1-5</td>
<td>Selection 1 of the 5 default programs</td>
<td>1</td>
</tr>
<tr>
<td>d18</td>
<td>Operating mode HEATING / COOLING</td>
<td>0</td>
<td>Heating system</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>Cooling system</td>
<td></td>
</tr>
</tbody>
</table>
7. Factory Reset

To RESET VS30W/VS30B thermostat to its factory default settings please follow steps below:

1. Hold $\checkmark + \leftarrow \rightarrow$ buttons for 5 seconds to enter the installer mode.

2. Use $\checkmark$ or $\uparrow \downarrow$ buttons to choose code ’47’.

3. Press $\checkmark$ button to confirm.

4. Select ’del’ and confirm choice by pressing $\checkmark$ button.

5. Wait few moments to finish factory reset procedure...

6. ...thermostat will display the software version...

7. ...after all – screen with time and date selection will appear.
8. Error codes

<table>
<thead>
<tr>
<th>Error code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Err02</td>
<td>The maximum / minimum floor temperature has been exceeded</td>
</tr>
<tr>
<td>Err03</td>
<td>Floor sensor is faulty</td>
</tr>
<tr>
<td>Err04</td>
<td>Floor sensor is shorted</td>
</tr>
</tbody>
</table>

9. Cleaning and Maintenance

The VS30W/VS30B thermostat requires no special maintenance. Periodically, the outer casing can be wiped clean using a dry cloth (please DO NOT use solvents, polishes, detergents or abrasive cleaners, as these can damage the thermostat). There are no user serviceable parts within the unit; any servicing or repairs could only be carried out by Salus Controls or their appointed agents.

10. Technical Informations

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230 V AC 50 Hz</td>
</tr>
<tr>
<td>Rating max</td>
<td>3 A</td>
</tr>
<tr>
<td>Switched output</td>
<td>230 V AC 50 Hz</td>
</tr>
<tr>
<td>Temperature range</td>
<td>5°C – 35°C</td>
</tr>
<tr>
<td>Dimensions</td>
<td>86mm x 86mm x 42mm</td>
</tr>
</tbody>
</table>
11. Warranty

SALUS Controls warrants that this product will be free from any defect in materials or workmanship, and shall perform in accordance with its specification, for a period of five years from the date of installation. SALUS Controls sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.
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Rotherham
S60 1SD
United Kingdom

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