

SAS918WHB-0-DF Wireless Thermostat Manual Guide

Product introduction:

SAS918WHB-0-DF is mainly applied to water-heating system by wireless control or system of floor heating, achieving the comfortable environment by controlling the on-off of electric-thermal actuator and they can be used for the following system:

- Boilers
- Oil and gas warm water heating
- Actuators of floor heating systems or radiators
- Circulating pumps
- Heat pumps

Technical Specification:

Power source	SAS918WHB-0-DF	2 AA size 1.5V alkaline batteries
Room temperature setting range	5°C~35°C	
Accuracy	0.1°C	
Ambient temperature-operation	0°C~+50°C	
Ambient temperature-storage	-10°C~+60°C	
Dimensions	SAS918WHB-0-DF : 85 mm×75 mm×23mm	
Color	White	

Main features:

- Smart shape, easily to operate
- Smart thermostat, no program
- Built in battery, change conveniently
- Anti-blocking function
- Applied by various system

Installation:

When Installing this Product...

1. Read these instructions carefully. Failure to follow the instructions can damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After completing installation, use these instructions to check out the product operation.

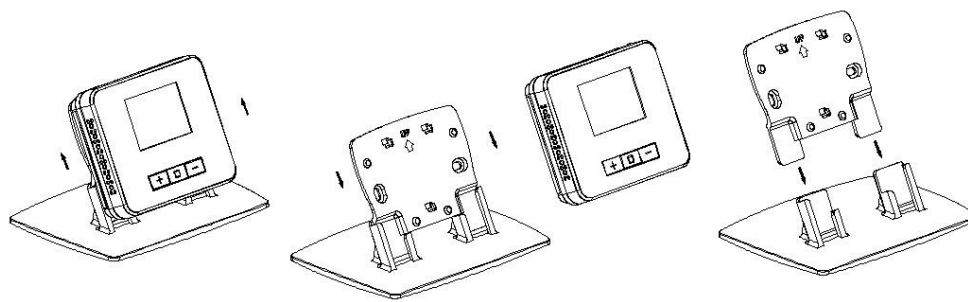
Installing the thermostat:

This thermostat can only be installed on the baseplate;

Please note that the thermostat only takes power of batteries;

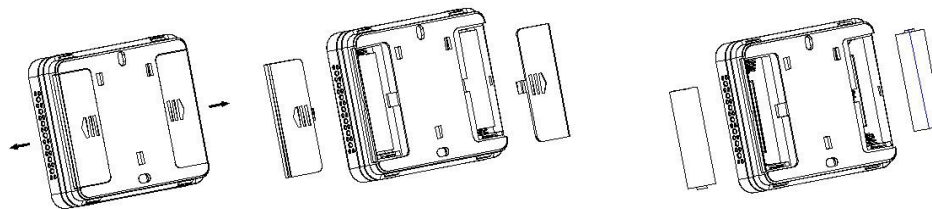
Please place the thermostat in a location where it will be able to control the room temperature but away from the direct influence of radiators and sunlight or other

appliances giving off heat.



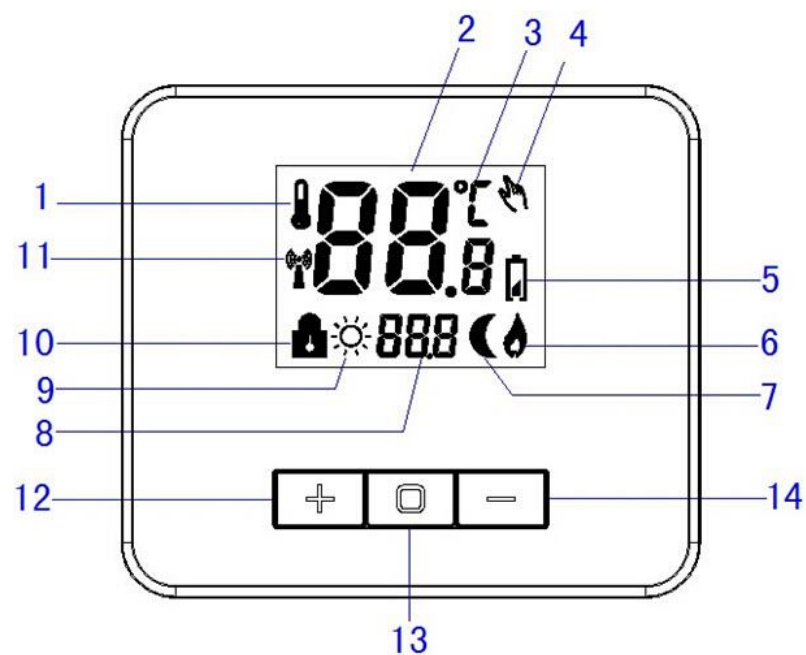
- a. Take out the thermostat
- b. Put the thermostat into the shelf of the back plate
- c. Insert the shelf of the back plate

Change battery:



- a. Take out the cover of the battery
- b. Take out the battery

Keyboard and display description:



- 1) Sampling temperature display mark
- 2) Sampling temperature display area
- 3) Temperature scale display area
- 4) Manual operate mode mark
- 5) Low battery remind mark
- 6) Heating mode mark
- 7) ECO mode mark
- 8) Setting temperature display area
- 9) Comfort mode mark
- 10) Child lock mark
- 11) Wireless RF operate mark
- 12) Up adjust button
- 13) Switch button/ Configuration menu setting button
- 14) Down button

Note: 1. While the thermostat is running, if you press **—** and **+** simultaneously for a few seconds, then **🔒** will show up, meantime keyboard will not respond for any key-press, unlock the thermostat also press **—** and **+** simultaneously for a couple seconds.

3. If the built-in sensor has broken the screen will show ER2 .

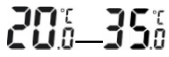
Configuration menu:

When turned off the thermostat, hold **“O”** for 5 seconds to enter the configuration menu. Press **“O”** to toggle the menu items.

Selecting by using **“+”** or **“—”**. To exit the menu by pressing **“O”** for several seconds.

If no buttons are pressed in 20 seconds the thermostat will exit the menu automatically.

Push **“+”** and **“—”** simultaneously for about 3 seconds, the screen will shows **“dEF”**, and then return to Menu item 1, indicates all the configuration settings have reverted to the factory default settings. Explanation of each option is as followed chart:

Item	Press button	Displayed (factory default)	Press + , — to select	Description
1				Select maximum set point
2				Select minimum set point
3				Select ECO setting temperature
4				Select comfort setting temperature

5	☐	On	On/Off	Backlight display
6	☐	00.0 ^{°C}	-5.0 ^{°C} — 05.0 ^{°C}	Adjust displayed temperature to suit personal needs
7	☐	HP	P _i /HP	Proportion output and constant temperature output
8	☐	0.5 ^{°C}	0.1 ^{°C} — 05.0 ^{°C}	Select the control accuracy (it is only valid with the HP control mode)
9	☐	Off	On/Off	Valve-protect function

1) Select maximum temperature set point

This feature provides a maximum set point temperature. The default setting is 35°C, It can be changed between 20°C to 35°C.

2) Select minimum temperature set point.

This feature provides a minimum set point temperature. The default setting is 5°C, It can be changed between 5°C to 20°C.

3) Select ECO setting temperature

Economy Temperature used for energy saving periods e.g. during the night (🌙)

4) Select comfort setting temperature

Comfort Temperature used for comfort periods e.g. during the day (☀️)

5) Backlight display

Up to your requirement to choose the switch of backlight

6) Adjust displayed temperature to suit personal needs

You can adjust the room temperature display up to 5 higher or lower. Your thermostat was accurately calibrated at the factory but you have the option to change the display temperature to match your previous thermostat. The current or adjusted room temperature will be displayed on the right side of the display.

7) Select control mode for system

P_i Proportion output is more humanized interface, the room temperature will be increased or decreased small, user will feel comfortable, not too cool or too hot.

HP Constant temperature on/off output between -0.5°C to 0.5°C.

On/off heat output frequently.

8) Select the control accuracy

It is for screen display of the temperature accuracy (it is only valid on the HP control mode). The factory default setting is 0.5°C.

9) Valve-protect function

Function about valve Anti-blocking, It is used for protecting valve, if no output more than 24 hours, it will be forced to open 30s.