

SAS816WHB-0-RF Wireless Thermostat

SAS816WHB-0-RF is a non-programmable thermostat, It is can replaced most common residential thermostat and designed to be used with electric, gas ,water radiant or oil heating control system or cooling system..

SPECIFICATION:

Power source	3VDC
Relay contact:.....	230VAC 10A
Room temperature setting range.....	5°C to 30°C
Accuracy.....	±1°C
Dimensions.....	85mm X 84mm X32mm
Color.....	White

FEATURE:

- | LCD display shows room temperature
- | Optional economic operation or comfort operation
- | Optional temperature display of Celsius or Fahrenheit scale

MOUNTING AND WIRING DIAGRAM

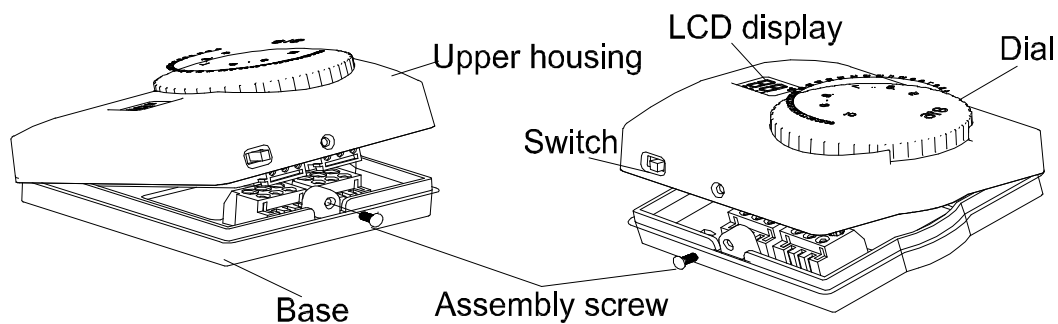


Figure 1

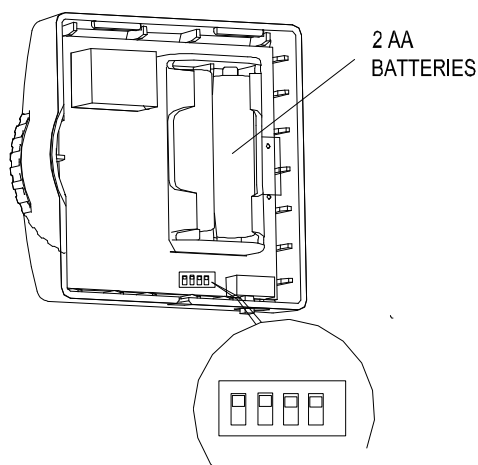


Figure 2

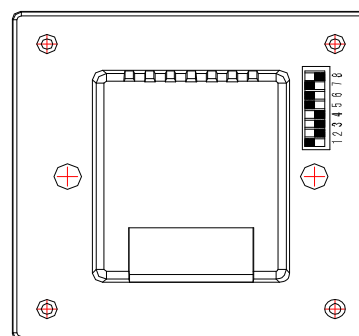


Figure 3

MOUNTING THE RECEIVER

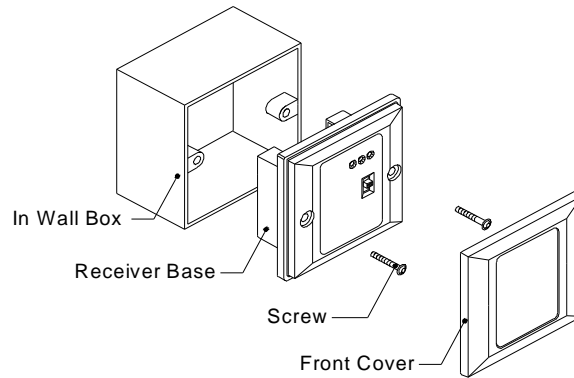


Figure 4

Mounting the Receiver onto the optional wall box (See Figure 4)

1. Remove assembly screws from the base of thermostat. Gently pull the upper housing straight off the base. Forcing or prying on the thermostat will cause damage to the unit. See figure 1.
 2. Connect wires beneath terminal screws on the base using appropriate wiring schematic. See figure 2
 3. Install two fresh “AA” alkaline batteries in battery compartment. Be sure to match positive (+) ends of batteries with positive (+) battery terminals in the battery compartment. See figure 3
 4. Push power base into wall.
 5. Using mounting screws mount the power base to the wall. Place a level against bottom of base, adjust until level, and then tighten screws. (Leveling is for appearance only and will not affect thermostat operation.)
 6. Replace the upper housing on the base and fix the upper housing by removed assembly screw
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WIRING DIAGRAM

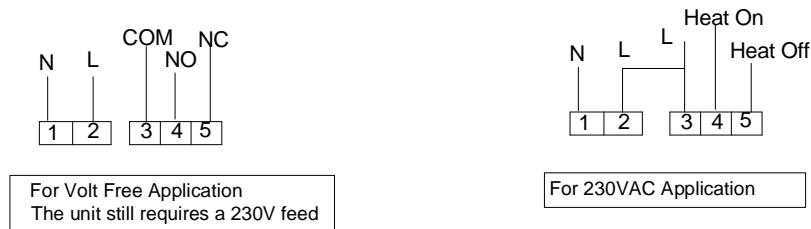
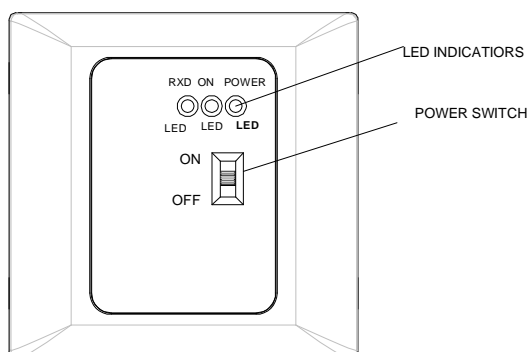


Figure 5

SWITCH AND LED DESCRIPTION OF RECEIVER



POWER SWITCH: When there is no demand to turn on the heating/cooling device, it is recommended to turn the power switch to the off position.

LED INDICATOR:

1. Red LED turns on as long as there is power to the unit
2. Green LED turns on as long as the heating/cooling device is energized.
3. Yellow LED flashes as long as there are any signals received from the Control Centre.

Figure 6

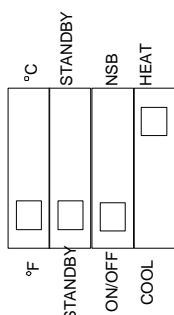
CHECK THERMOSTAT OPERATION

The unit will be controlled via air sensor in the Control Centre and the Control Centre will determine to activate/deactivate heating system by comparing set temperature with room temperature. Press ▲ to adjust Control Centre setting above room temperature 1°C in fast heating mode or 3°C in slow heating mode, See configuration menu item 5. The Control Centre will emit signals to the Receiver asking to turn on the heating/cooling device. Yellow LED on the Receiver flashes means Receiver has received the signals. Green LED turns on means heating/cooling device is energized. Press ▼ to adjust Control Centre setting below room temperature. The Control Centre will emit signals to the Receiver asking to turn off the heating/cooling device. Yellow LED on the Receiver flashes means Receiver has received the signals. Green LED turns off means heating/cooling device is deactivated.

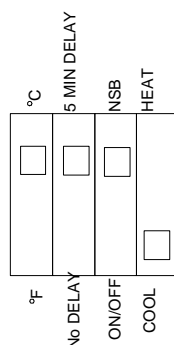
CONFIGURATION DIL SWITCH SETTINGS

Slide the DIL switches to the settings required (see Figure 2)

Heating selection



Cooling selection



Both heating and Cooling selection

Select °C and °F readout

Set the switch to °C, temperature in the display will be shown in °C readout.

Set the switch to °F, temperature in the display will be shown in °F readout.

Switch function option


ON/OFF – Switch at the lower side of the thermostat used as ON/OFF switch

Setting the switch at ,  thermostat is switched on.

Setting the switch at ,  thermostat is switched off.

NSB – Switch at the lower side of the thermostat used as NSB switch

Setting the switch at ,  thermostat is on comfort mode.

Setting the switch at ,  thermostat is on Night set back mode.

Compressor delay option for cooling selection

Setting the Dil switch at NO DELAY, compressor delay function is canceled.

Setting the Dil switch at 5 MIN DELAY, compressor will have 5 minutes off-time protection.

USERS INSTRUCTIONS

Display

The LCD displays actual room temperature until the setting dial is moved.

Setting the temperature

Turn setting dial to required temperature. The selected temperature will **flash** in the LCD to signify it is showing the **set temperature**

After a short period the display stops flashing and shows **actual room temperature**.

Thermostat status (heat mode only)

A flame symbol will be lit whenever the thermostat is calling for heat

Thermostat status (cool mode only)

A snowflake symbol will be lit whenever the thermostat is calling for cooling. If this is seen to flash, the thermostat output is delayed for a short period to prevent compressor damage.

Low battery indication

A battery symbol will flash in the display when batteries require replacement. Batteries should be replaced within 15 days, after which the thermostat will turn off the load it is controlling. When this happens “OF” will be displayed.



Switch function

The function of the switch at the lower side of the thermostat has 2 options. You can select the option by setting the second dip in the dip group. See DIL switch setting.

NSB setting

This switch is used as Day/Night switch.

When the switch is set to the “Sun Symbol”, the thermostat controls at the temperature set by the setting dial.

When set to the “Moon symbol”, the thermostat controls at 4°C below the temperature set by the setting dial.

Note: if used to control cooling, thermostat controls 4°C higher, with switch in Moon position

ON/OFF setting

The switch is used as ON/OFF control

When the switch is set to the “Sun Symbol”, the thermostat controls at the temperature set by the setting dial.

When set to the “Moon symbol”, the thermostat output is turned off and “OF” is display.

CUSTOMER ASSISTANCE

After reading this guide, if you have any question about the operation of your thermostat, please contact your installer or Energy Utility company or service provider

