

SAS921SLP-7-S SINGLE STAGE THERMOSTAT**Cool Only 100-240VAC 3-speed fan****Installation and operation instructions****SPECIFICATION:**

Power source.....	100~240VAC	50/60Hz
Fan Relay Amps inductive.....	8 (5A)	
Compressor Relay Amps inductive.....	8 (5A)	
Set point Temperature Range.....	5°C to 35°C	
Dimensions.....	88mm×88mm×44mm	
Color	White	

FEATURES:

- Large LCD display with backlight
- Optional programming Period: 7 individual day programming with 4 separate time/temperature periods per day.
- Display shows both clock time and room temperature simultaneously
- Maintains the temperature to within 1 degree set point
- Auto fan with adjustable 3-fan speed.
- Permanent user setting retention during power loss, no batteries are required
- The compressor short cycling protection available
- Optional temperature display of Celsius or Fahrenheit scale

IMPORTANT SAFETY INFORMATION:

- Always turn off power at the main power source by unscrewing fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.
- Read all of the information in this manual before installing this thermostat.
- Only a professional contractor should install this thermostat.
- All wiring must conform to local and national building and electrical codes and ordinances.
- This thermostat has a removable fuse to protect the system from damage. If system is not operating properly, check wiring and replace fuse if necessary.
- Use this thermostat only as described in this manual.

OPERATION

The Thermostat Buttons and Switches

- ① Display area
- ② Power /On /off button
- ③ Fan speed option button (HI MED LOW selection).
- ④ Time setting button
- ⑤ Raises temperature setting
- ⑥ Lowers temperature setting.

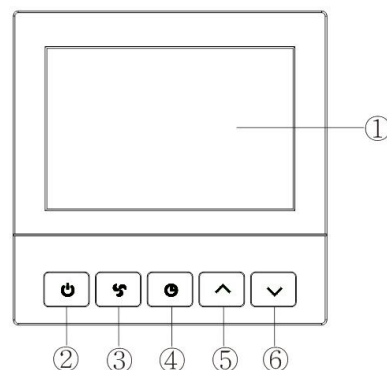


Figure 1

The Display

- (1) The day of week display area
- (2) Shows fan speed option (HI、MED、 LOW)
- (3) Shows thermostat is in cooling mode
- (4) Shows manual mode
- (5) Shows program run mode
- (6) Shows room temperature
- (7) Shows programming time
- (8) The time display

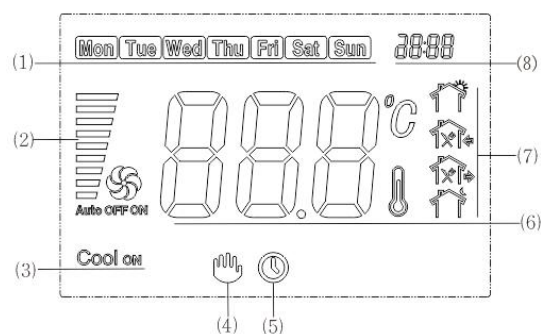
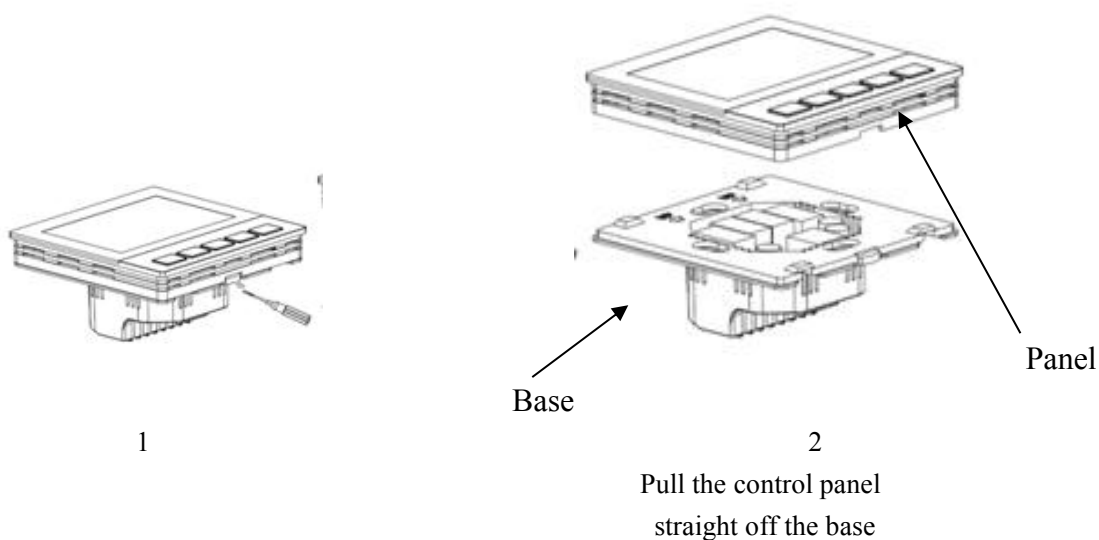
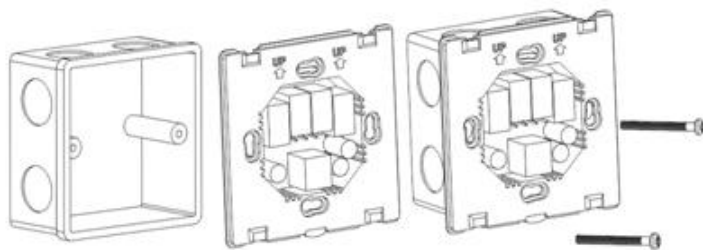


Figure 2

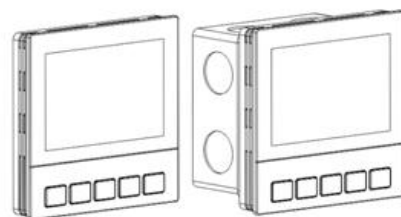
INSTALL THE THERMOSTAT





3

Screw for mounting
thermostat to wall



4

Fix the cover on the base

WIRING DIAGRAM

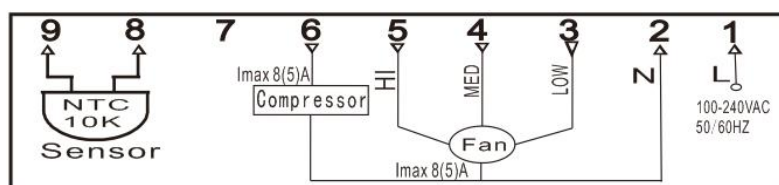


Figure 4

CHECK THERMOSTAT OPERATION

Switch on the thermostat

Fan operation

1. Push button , you can select HI MED LOW speed.

2. Manual operation mode

When the thermostat cancel the programming mode, the display will only shows , show that has entered the manual mode, you can press ,  button to choose required temperature. In this time you press  button or within 3s there is no any operation to the button, it will return and display the room temperature.

3. Programming operation mode:

When run in programming operation mode, the display will shows  and setting temperature will change according the programming time and temperature.

Temporary operation mode:

If in programming operation mode to press  or  button to change setting temperature, it will run temporary operation mode, and the display will show  + , this period of time running is temporary set temperature rather than programming operating temperature. It will return to the program runs automatically when to the next period of programming time.

CONFIGURATION

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements. Switch off the thermostat and hold the  Button for over 4 seconds entered the configuration menu item setting, and will show the first configuration menu item. Press  Button to change to the next item. Press “” and “” button to select.

To exit the menu and return to the normal operation, switch off the thermostat and switch it on again. If no keys are pressed within 30 seconds the thermostat will be switched off.

To revert to factory default setting, push  button for over 3 seconds. Display will show “DEF” blinking 3 times will return to factory default setting and be switched off.

Item	Press buttons	Displayed (factory default)	Press“+”、“-”to select	Descriptions
1		 (0)	-4—+4	Adjust temperature coefficient
2		 (35℃)	20℃—35℃	Select maximum setting temperature
3		 (5℃)	5℃—20℃	Select minimum setting temperature
4		 (rE)	rd/ rE	Memorize power on/off option before power loss
5		 (0)	0/7	Programming day in one week option
6		 (3)	0/3/5	Minimum compressor off-time cycle setting

1) Select temperature recalibrates Adjustment 4 LO to 4 HI -

The display will show “Temp adjust” and its default setting value 0 flashing in the configuration menu, using “” or “” button to select from “-4” to “+4”. You can adjust the room temperature display up to 4 lower or higher.

2) Select maximum temperature

The display will show 35°C which is the default factory maximum temperature limitation, using “^” or “v” button to set the maximum limitation. It can be change from 20°C to 35°C.

3) Select minimum temperature

The display will show 5°C, which is the default factory minimum temperature limitation, Using “^” or “v” button to set the minimum temperature limitation. It can be change from 5°C to 20°C.

4) Memorize power on/off option before power loss

Using “^” or “v” button to select between “rE” or “rd”. Factory default is “rd”. “rE” means the thermostat will Memorize its ON or OFF status before power loss. After power supply comes to normal again, the thermostat will remain ON or OFF according to what it is before power loss. “rd” means no matter the thermostat is switched on or off before power loss, after the power supply comes to normal again the thermostat will keep power off.

5) Programming day in one week option

There is an option for 7 individual day programming. The default setting is “7”

7 indicate 7 individual day programming;

0 indicate Non-programmable.

6) Minimum compressor off-time cycle setting

To protect compressor from short cycling, you can select compressor off-time cycle, 5 means off-time cycle is 5 minutes. When the thermostat compressor time delay occurs it will flash **on** display for 5 minutes. 3 means off-time cycle is 3 minutes. When the thermostat compressor time delay occurs it will flash **on** display for 3 minutes. Select 0 means you have canceled the function. The default setting is “3”

Manual Operation

1. Set current day and time

- 1) Momentarily Press “⌚” button, indicates you have now entered into time setting. The display will only show the minutes flashing. Press “^” “v” until you reach the correct minute
- 2) Press “⌚” button once again. The display will only show the hour flashing. Press “^” “v” until you reach the correct hour
- 3) Press “⌚” button once again. The display will only show the day flashing. Press “^” “v” until you reach the correct day of the week.

2. Planning your program

Look at the factory preprogrammed times and temperatures shown in the sample schedule. If this program will suit your needs, simply press the button “” to begin running the factory preset program. If you want to change the preprogrammed time and temperature, follow these steps.

Determine the times period and temperature for your program. You can set program for 7 individual day. You can choose cooling temperature and start time independently. Use the table to plan your program time periods and the temperatures you want during each period.

- 1) Long press button “”, week display will flash “Mon”, means Monday, press “” “” button to select week you want to program.
- 2) Press button “”, again, the time will display, press “” “” button to select the temperature you need to program.
- 3) Then press button “”, the temperature value will flash, press “” “” button to select the temperature you want.
- 4) press button “”, you will into next period time and the time mark will display, you can repeat steps 2 through 3 to complete four periods one day setting .
- 5) If you have finished setting four periods for Monday, press button , it will into Tuesday, and flash “Tue”. You can repeat steps 1 through 4 to complete 7day setting.
- 6) When you finished setting press the button “” to confirm.

Factory default program setting for 7 individual day programming

Heating mode	Morning 		Out door 		Back home 		Night 	
Monday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃
Tuesday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃
Wednesday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃
Thursday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃
Friday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃
Saturday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃
Sunday	7:00	25℃	13:00	22℃	18: 00	22℃	23: 00	25℃

Inner sensor & remote sensor control mode

Terminals 8 & 9 connected with remote sensor for measuring room temperature. Inner sensor & remote sensor can automatic exchange. When you connected with remote sensor, the inner sensor



will lose function. The measuring room temperature is remote sensor surface temperature. When you don't connected with remote sensor, The measuring room temperature is inner sensor surface temperature .It means you can only select one sensor for measuring room temperature.

CUSTOMER ASSISTANCE

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

