

AC 203 Series Touch Screen Room Thermostat

1.General



AC203 series Touch Screen Room Thermostat, with multi, updated and computerized functions, detects different temp between ambient and setting temperature using precise NTC sensor(internal only) to adjust Heating and Cooling. Hence, it keeps the room at comfortable and constant temp.. It could be programmable and non-programmable

2.Technical data

2-1. Power Supply: AC220V $\pm$ 10%, 50/60Hz

2-2. Consumption: <1.5W

2-3. Load Current: 1A (0.6A)

2-4. Accuracy: $\pm 1^{\circ}\text{C}$

2-5. Set-point Range: $10.0^{\circ}\text{C} - 30.0^{\circ}\text{C}$

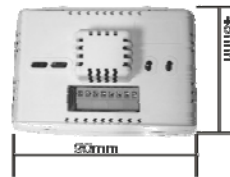
2-6. Timing Error: <1%

2-8. Output Consumption: <200 W

3. Installation

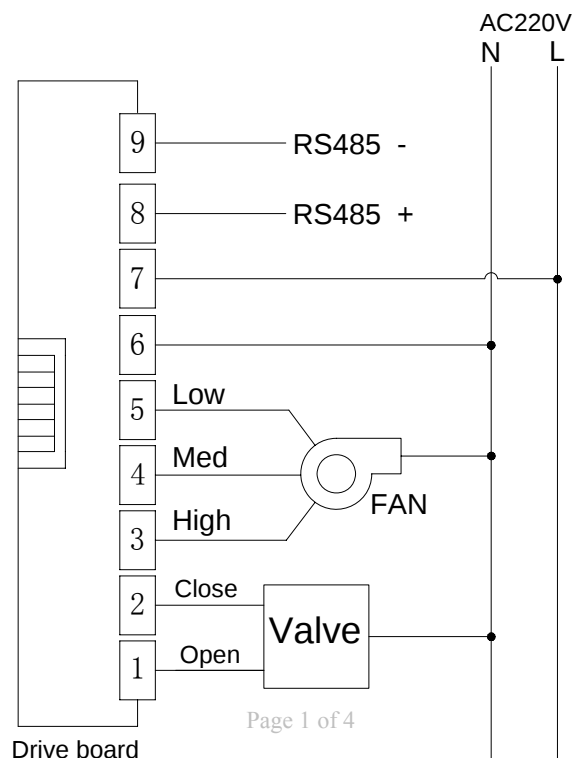


120x90x45 mm



Note: Multi-size base-case can apply for
Electronical Terminal Box in many countries.

4. Wiring(Please contact us for other wirings)



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5. Symbols

-  : Power on/off.
-  : Menu: press 0.3 seconds --- cooling, heating and ventilation changeover, press Function for 3 seconds, entering into function adjusting in order: Sleeping->time adjusting->day adjustment->return to the original working mode
-  : Fan Speed: auto, high, middle and low
-  : Temperature setting and function adjusting.

6. Menu & Setting

6-1. Temperature setting.

Non-programmable(Manual): Can set it directly through  when in standby function.(LCD screen shows  " on the top right corner)



6-2.Fan speed setting

Fan speed: Auto—High—Med—Low

Under auto fan mode, thermostat could adjust fan speed automatically according to comparing diff. temp. between room and set point.



6-3.Heating /Cooling / Air Flow Setting

Touch function key: Heating/Cooling/Air Flow changeover.

When it is Air Flow, valve closes, and fan coil supplies air.



6-4.Sleeping Setting

Touch Function key for 3 seconds to switch to Sleeping and when the  " is flickering, please press  for confirm and  for cancel.



6-5.Time setting

Touch Function key to adjust time, press  time adding, Press  time decreasing. Save automatically in 5 seconds.



6-6.Day setting

Touch Function key to adjust day, press  day adding Press  day decreasing. Save automatically in 5 seconds.



6-7. Locking function

press " " and " " for 8 seconds, entering into Locking mode (all buttons are being locked including the POWER button) , and the LOCK icon " " would appear, press " " and " " to disable the

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locking. During power off, you could lock the thermostat, and the LOCK icon “” would appear.

7. Turn-on automatically after the power back(optional)

While the system is in process, and the power cut off suddenly, it will memorize all the existent data and run according to previous data. Timing and Sleeping also have this memory function.

This function is popular at Hotel, Power House etc.

8.Debug Adjustment

During turn-off

Press the button “” and “” for 3 seconds simultaneously to enter into DEBUG mode,

Then press” Function”, to choose the mode 1 ,mode 2 and mode 3

When choose the mode1,

Room Temperature Measurement

▲ Room temperature up

▼ Room temperature down

Temperature Measurement $-9^{\circ}\text{C}\sim 9^{\circ}\text{C}$ (the best default is -1°C)

Then confirm by turn-on.

2. When choose the Mode2,

IP-H adjusting (16 hex)

▲IP up,; ▼IP down

3. When choose the Mode 3,

Status 2. IP-L adjusting (16 hex)

▲IP up,; ▼IP down

9.Keys and Function of Remote Controller (optional).



“Mode”-----	Menu function
“ UP ”-----	Temp Up “+”
“ Down ”-----	Temp Down “-”
“ Fan ”-----	Fan Speed
“ Sleeping ”---	Sleeping Function
“ Power ”-----	Turn-on/off



IMPORTANT: PLEASE ARRANGE THE PROFESSIONAL TECHNICIAN TO INSTALL THIS PRODUCT ACCORDING TO INSTALLATION DRAWINGS AND INSTRUCTION.

10.Troubleshooting

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Please make sure again if the wiring connection of L and N Line are installed correctly and the Mode of heating and cooling match with setting requested.

Normal Problems	Reason and Solution
No Response while power is on	- Please check if the power and connecting of L Line and N Line is appropriate connected. - Please check if the Turn-on/off key is working - During installation, have the LCD driver placed first before placing the Power Drive - Do the check the connection lines on LCD Driver to Power Driver
LCD Error	The back cover is anamorphic while installing, please release one or two fasten screws
Normal Display but no output	- The line connected with LCD Driver and Power Driver is broken - Please have the LCD Driver replace and the Power Driver
Remote Controller is out of control	- Please have the batteries checked - Replace the remote controller unit
The temperature displays incorrectly	Please adjust the temperature through pressing the keys on board

11. Warranty

We offer the warranty of 12 months, from the sales day. If it is not the quality problems, or beyond the warranty period, we will charge for the after-sale service.