

HY08AC Touch Screen Thermostat User Manual

Many thanks for your selection of our products and services, and also for your trust and support to us.



HY08AC-1



HY08AC-2



HY08AC-3

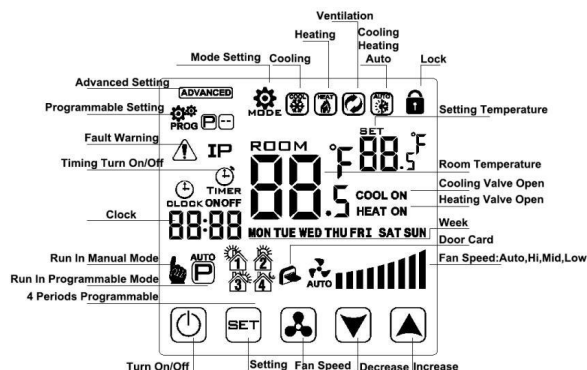
Technical Data

Power Supply	DC24V	Installation	Flush Installation
Valve output	0-10V	Fan power supply	24V/110V/240V 50/60HZ
Rated current	5A	Sensor	NTC
Set Point Range	5~35℃	Accuracy	±0.5℃
Ambient	0~50℃	Protection Class	IP30
Size	86*86*14	Housing	PC+ABS plastic
Ambient temperature	0℃~50℃	Storage temperature	-10℃-60℃

Operation Key

NO.	symbols	represent
A	▲	Increase key:adjust temperature and value
B	SET	Setting key
C	▼	Decrease key:adjust temperature and value
D	⊞	Fan speed key;⊞+SET is confirm key
E	⏻	Turn ON/OFF

Displays & Buttons



Operation Instruction

Operation	Description
Turn ON/Turn OFF	Press“”key one time to turn on,press it again to turn off and close fan coil units and motorized valve.
Setting Temperature	In turn on state,press “”to decrease temperature and press“”to increase temperature,press every time,temperature change 0.5℃.
Fan Speed Choice	In turn on state,press“”to choose fan speed (High),(Middle),(Low) ,(). ().
Time Setting	In turn on state,long press“”for 3-5seconds to enter into setting screen, choose “” icon,press “” confirm to time setting:minute “mm”flashing,press “”or“”to adjust value, press “” confirm to next setting;hour “hh”flashing, press“”or“”to adjust value;press “”confirm to next setting; week “MON”flashing,press“”or“”to adjust value.At last press“”or no any operation for 5seconds to exit setting.
Timing Turn on/off Setting	In turn on state,long press“”for 3-5 seconds to enter into setting screen, choose “”icon,press“”confirm to timing turn on setting,it displays “ON”and “--:--”or “hh mm”flashing at the same time,press press “” to confirm and press “”or“”to adjust the hour and press “” and “”or“” to adjust minute of turn on,adjust to “--:--” and press “” to cancel timing turn on and enter into timing turn off setting,it displays“OFF ”and “--:--”or “hh mm”flashing at the same time,press press “” to confirm and press “”or“”to adjust the hour and press “” and “”or“” to adjust minute of turn off.Cancel timing turn on/off setting:just to adjust both timing turn on and turn off as“--:--”;(timing turn on/off for one time or cycle running,please set it in advanced setting)
Working Mode Choice	In turn on state,long press“”for 3-5seconds to enter into setting screen,choose “” and press “”to confirm:switch working mode between“”“”“”.Display“” means cooling mode,display“”means heating mode,display“”means ventilation mode(HY08AC-2P no heating mode);display “” means cooling,heating mode switch automatically(HY08AC-4P-A).
IP Address Query	In turn on state,long press“”for 3-5 seconds to enter into setting screen,choose IP icon to query IP address
Motorized	In the cooling (heating) mode, when the room temperature is equal to the set temperature, the valve outputs the control voltage 5V, for example, the valve

Valve Control	output control voltage is set to 10 aliquots "Refer to the advanced option P", 1: In the cooling mode,when room temperature lower than set temperature of 1℃,then output 4V; when room temperature low than set temperature of 2℃,then output 3V;when room temperature higher than set temperature of 1℃,then output 6V. 2:In the heating mode,when room temperature higher than set temperature of 1℃,then output 4V; when room temperature higher than set temperature of 2℃,then output 3V;when room temperature lower than set temperature of 1℃,then output 6V Remark:Ventilation mode (fan is not controlled)Fan control, the valve output control is lower than the voltage 5V fan is turned off
Key Lock Function	Key Lock function:if thermostat opens key lock function,no any operation after 10 minutes will lock keys automatically(screen display “” icon),press “” for 5 seconds will unlock(“” disappears)
Door Key Energy Saving Mode	Enter into energy saving mode by door card.When pull out door card,“” door card icon flashing,if thermostat is in cooling mode,temperature set as 26℃ automatically,fan run in low speed;if thermostat is in heating mode,temperature set as 18℃ automatically,fan run in low speed
Alarm	E1:sensor short circuit alarm E2:sensor open circuit alarm When temperature higher than 55℃ displays “HI” when temperature lower than 0℃ displays “LO”

Advanced Setting

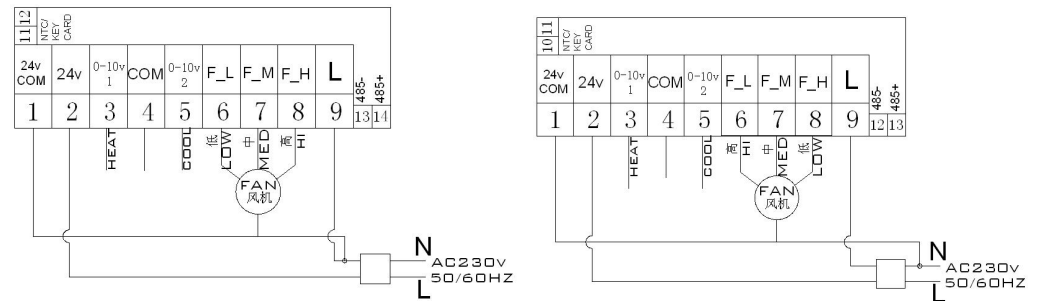
In turn off state,long press “” for 5 seconds to enter into advanced setting.Press“”or“”to set,short press “”to next option and press“”or“”to set

NO	Setting Options	Data Setting Function	Factory Default
AL	IP Low Address	01-FF	01
AH	IP High Address	00-FF	00

P	10V Output voltage equal	10: ten equal part,10V/10=1V 8: eight equal,10V/8=1.26V 6: six equal,10V/6≈1.67V 4: quarter,10V/4=2.5V	10
I	Output enable time	5-60 seconds	5
A1	Measure Temperature Calibration	-9-+9℃	0.5℃ Accuracy Calibration
A2	Children Lock Setting	0:Half Lock;(can turn on/off and adjust temperature)	0

		1:Full Lock 2:Cancel Children Lock	
A3	Setting Temperature Lowest Limit	1-25℃	5℃
A4	Setting Temperature Highest Limit	30-70℃	35℃
A5	Fan Coil Units Control	0=Fan Under Control 1=Fan Isn't Under Control	0
A6	Timing Turn On/Off Running Way	0=Timing Turn On/Off For One Time 1=Timing Turn On/Off For Cycle Running	0
A7	Key Card Status	00:S1 Connect S2 Means Put-in Card Status; 01:S1 Disconnect S2 Means Pull-out Card Status.	01
A8	After Door Card Pull Out To Cool Temperature	Setting Range 22 ~32℃	26℃
A9	After Door Card Pull Out To Heat Temperature	Setting Range 10~21℃	18℃
AA	Baud Rate	0: 2400 1: 4800 2:9600	0
AB	Communication Option	0: :485 2: Modbus	0
AC	Valve Output Choose	4:4 Pipes 2: 2Pipes	4
AD	Return To Factory Default Setting	Display A o,Long Press Fan Key To Return To Factory Default Setting	

Wiring Diagram



Warranty:

We offer the warranty of 18 months, from the sales day. The products of our company can have lifetime warranty ,if it is not the quality problems, or beyond the warranty period, we will charge for the after-sale service.