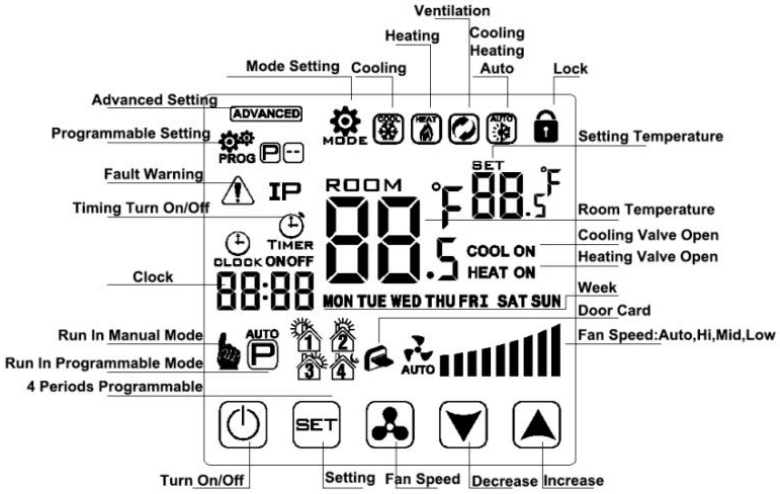
Touch Screen Thermostat User Manual

Application

HY08ACfan coil units thermostat is used for control room temperature in central air conditioning fan coil units system.By comparing room temperature with setting temperature to open and close fan coil units and motorized valve in the end of air conditioning system,to achieve purpose of adjusting room temperature,comfort and saving energy. It uses microprogrammed control unit,large LCD display,LCD display mode:working mode (cooling,heating,ventilation), fan speed (high,med,low, auto),room temperature,setting temperature,time,7 days 4 period program,,timing turn on/off etc.

Displays & Buttons



Technical Data

Power Supply	220-240V 50/60Hz	Installation	Flush Installation
Rated current	3A	Sensor	NTC
Set Point Range	10~40℃	Accuracy	±0.5°C
Ambient	0~50℃	Protection Class	IP20
Size	86*86*14	Housing	PC+ABS plastic
Ambient temperature	0°C~50°C	Storage temperature	-10°C-60°C

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

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),(Med),(Low),(Auto).
Time Setting	In turn on state,long press“ SET ”for 3-5seconds to enter into setting screen, short press “ SET ”choose “ CLOCK ” 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“ SET ”for 3-5seconds to enter into setting screen,choose“ TIMER ”press“ ”confirm to timing turnon 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“ SET ”for 3-5seconds to enter into setting screen,press “ SET ” to choose “ MODE ” 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).
Manual And ProgramMode Choice	In turn on state,short press“ SET ”for one time to run program mode;press “ SET ” again to run manual mode HY08AC-4P-M(MODBUS and RS485 version don’t have program mode)The time and temperature of program mode refer to Program Mode Setting And Working,when working auto program mode,the temperature can’t be adjusted.
Motorized Valve Control	In cooling(heating)mode,when room temperature higher(lower)setting temperature 1℃,open motorized valve;when room temperature reach setting temperature,close motorized valve,fan coil continues to work(it can be set as fan close together with valve in advanced setting). Ventilation mode(fan coil unit is not under controlling) Fan coil unit is under controlling,it is valve and fan coil unit close together.
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	Sensor occurs fault,thermostat close fan coil and motorized valve and display "E1"or"E2". E1:internal sensor alarm E2:external sensor alarm

Program Mode Setting And Working

HY08AC fan coil units thermostat can set different time different temperature;there is two option for you to choose, (manual mode) , (cancel programmable)

Long press "SET"for 3-5 seconds to enter into setting screen,,short press "SET"to choose "PROG P" and press short press "SET" to choose AUTO P,press" "to confirm and enter into program mode setting.

Cancel programable :
Long press "SET"for 3-5 seconds to enter into setting screen,,short press "SET"to choose "PROG AUTO P" and press short press "" to choose --,press" "to confirm

Programmable setting
Long press"SET"to enter setting interface ,short press"SET"to choose " ",next press" " to enter manual programmable.at the beginning of Monday 1st section 1,press to confirm. Start time (6:00 as default),press or to adjust, 30min by step. After press to set temperature, next press to next section. 2, And so on

Default Setting

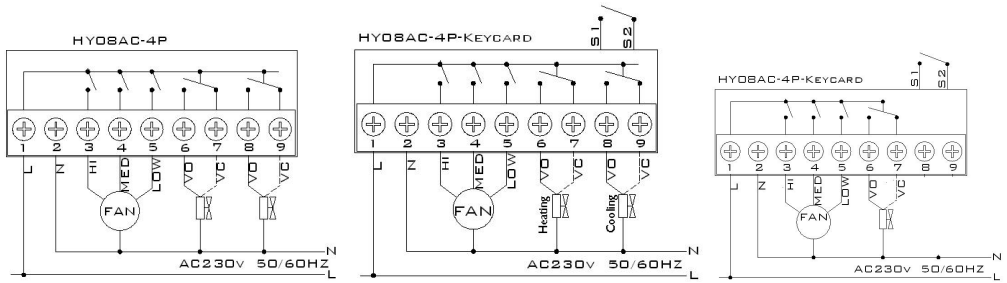
Period		Period Setting	Default Time	Default Temperature
Monday To Sunday	1	1	06:00	23° C
	2	2	8:00	26° C
	3	3	17:30	26° C
	4	4	22:00	23° C

Advanced Setting A

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

Symbol	Item	Parameter	Default
A1	TemperatureCalibration	-9-+9℃	-1℃
A2	Children Lock	0:half lock; (It is available to turn on/off and adjust temperature) 1:full lock 2: disable child lock	2
A3	Setting the low limit temperature	1-25℃	5℃
A4	Setting the high limit temperature	30-70℃	35℃
A5	Fan energy saving control	0: valve off,fan off 1: valve off,fan always on	0
A6	Timing switch operation mode	0: Only run once 1: Cycle run	0
A7	Key Card Status	00: S1 and S2 was connected,mean insert card ,S1 and S2 was disconnect ,mean take out card 01:S1and S2 was disconnect ,mean insert card,S1 and S2 was connected,mean take out card	01
A8	Temperature in cooling mode after take out card	Setting range:22-32C	26C
A9	Temperature in heating mode after take out card	10-21°C	18°C
AA	Choose valve output	2:2pipe 4:4pipe	4
AB	Reset	Display Ao, press key until whole show	Ao

Wiring Diagram



Installation diagram:

