



YH8005

LCD Room Thermostat For FCU

Edition 2018

YH8005 LCD Room Thermostat

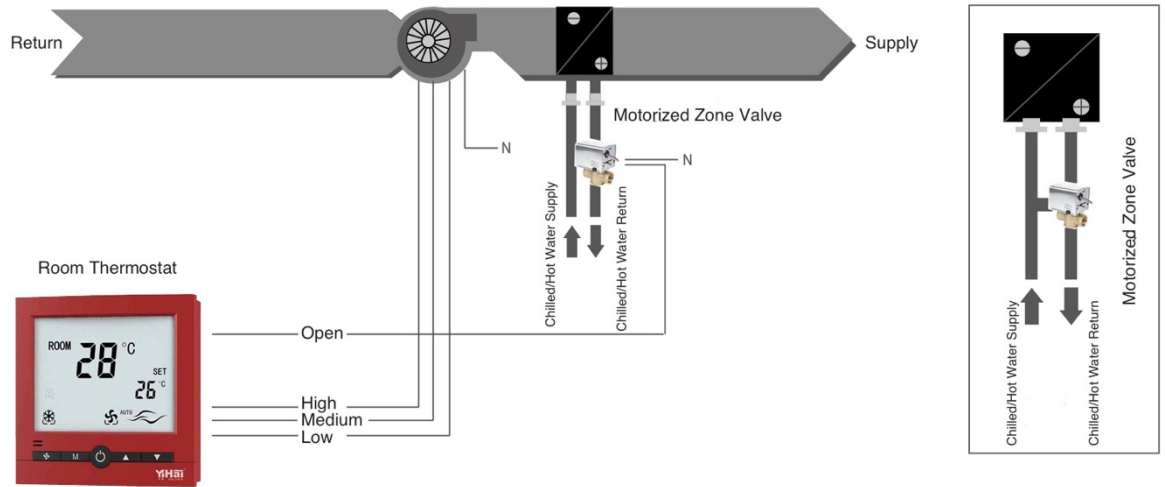


General

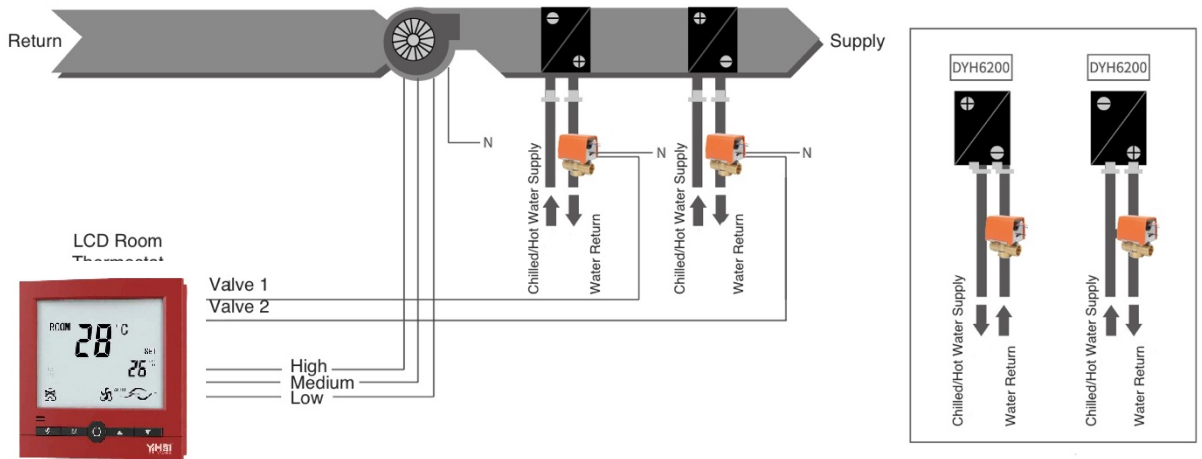
YH8005 series LCD room thermostat is a controller use advanced electronic elements to accuracy control the on/off valve, 3-speed of fan, on/off damper, to achieved set temperature. Which also can connect with BAS system through MODBUS and RS485. Widely used in commercial and residential application.

Applications

Item No.	Mode	FCU		Motorized Valve			Damper	Fan Speed	Optional Function			
	Cooling/Heating/Ventilating	2 pipe	4 pipe	2 wire	3 wire	Modulating (0-10vdc)		H/M/L/Auto	Network RS485-R	Remote --Y	Timer --T	Keypad Lock-N
YH8005A	✔	✔		✔				✔	✔	✔	✔	✔
YH8005B							✔		✔	✔	✔	✔
YH8005C		✔				✔			✔	✔	✔	✔
YH8005E			✔		✔				✔	✔	✔	✔



2 Pipes FCU System Application



4 Pipes FCU System Application

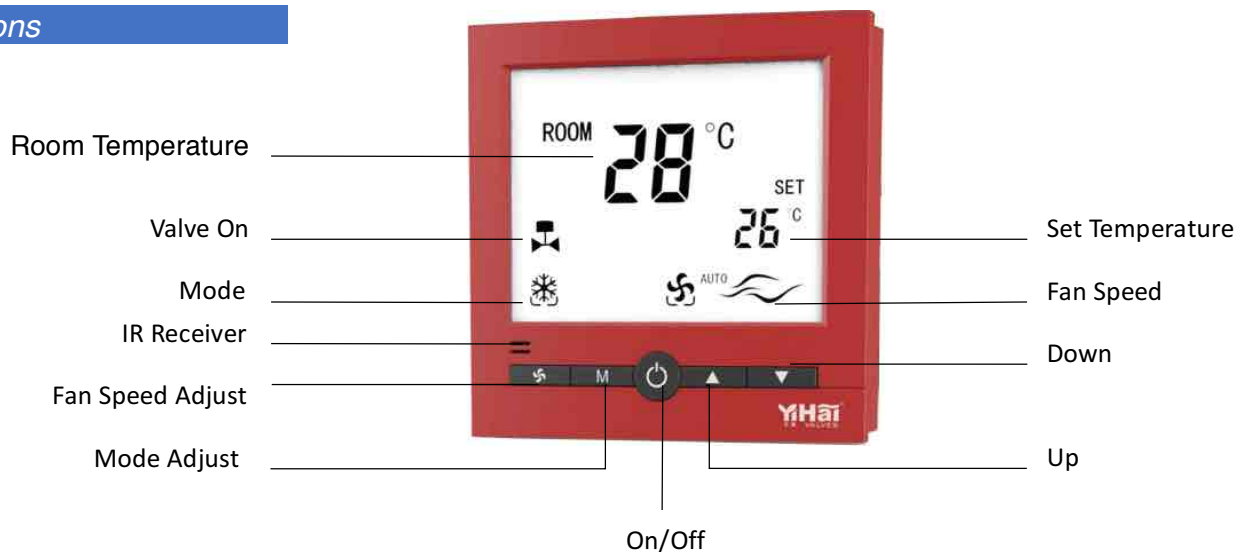
Features & Benefits

Features and Benefits	
Quality components	Adopt SCM, strong anti-interference 4 sets quality relay output, high reliability Advanced electronic elements Quality electric circuit Fire retardant ABS and PC cover Long life push button, quick respond High quality transformer guarantee Voltage stable
Attractive Design	Attractive design, shiny button, easy installation and operation Different colors housing is available (white, red, black, gray) Big LCD display with white backlight
More Functioning	Heating/Cooling/Ventilating mode High/Medium/Low/Auto Fan Speed, or Single Fan Speed On/off, Floating control (modulating valve optional) Network controls MODBUS and RS485(optional) Control 2-wire and 3-wire motorized valve in 2 pipes system Infrared Remote Control Function(Optional) 4 pipes system available Keypad Lock(Optional) Low temperature protection °C or °F optional Room temperature and set point temperature indicate Valve on indicate

Technical Data

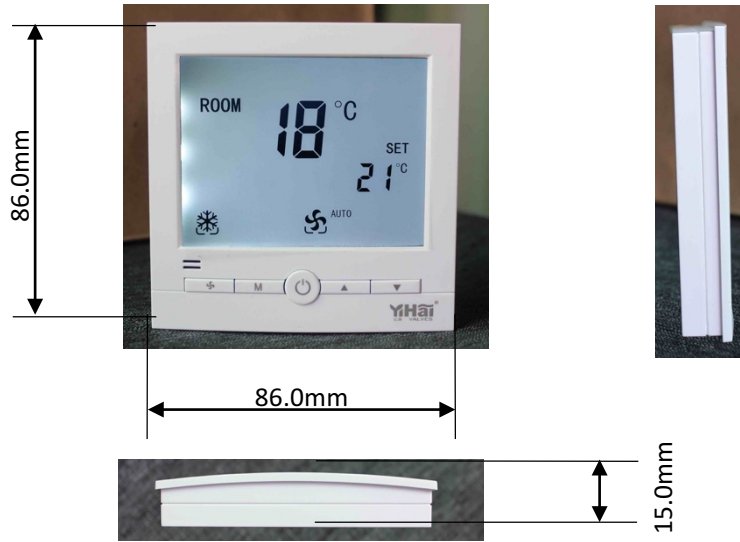
Voltage Supply	AC220V±10%, 50/60Hz
Set point Range	10°C-35°C(50°F-95°F)
Setting Unit	1°C/step
Accuracy	1°C
Operation	Keypads
Mode	Cooling, Heating, Ventilating
Fan Speed	High, Medium, Low, Auto
Thermostat Output	4 Relay
Current Rate	Resistive 3A, Inductive 1A
Sensor	NTC Internal or External
Housing	ABS+PC Fire resistant
Room Temperature Range	0°C-50°C
Mounting	Standard 86x86(mm)
Working Ambient Temperature	0°C-60°C (32°F-140°F)
Application	FCU System, AHU System, 2 wire or 3 wire valve, on-off and floating mode

Functions



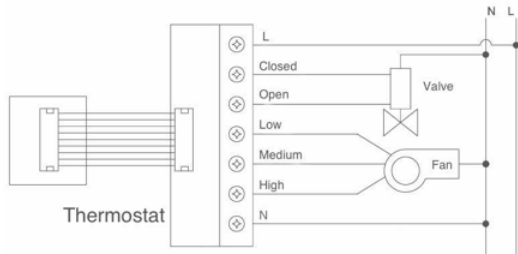
Function	Instruction
On/Off	Press once to open, press again to close
Mode	Press circulate from “cooling”, “heating” to “ventilating”
Fan Speed	Press circulate from “High”, “Medium”, “Low” to “Auto” While in “Auto”, the fan speed will be adjusted automatically according with difference temperature between zoom and set point.
Temperature	Press to up and down the temperature

Dimensions

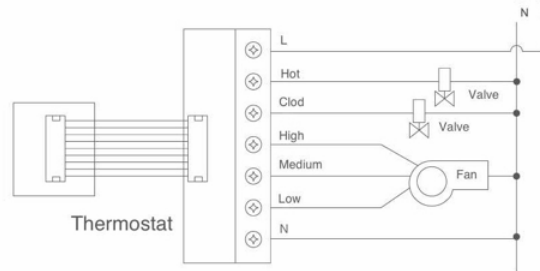


Wiring

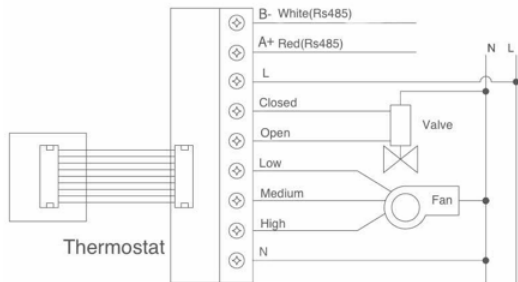
3 Wires 2 Pipes Motorized Valve & Fan Coil



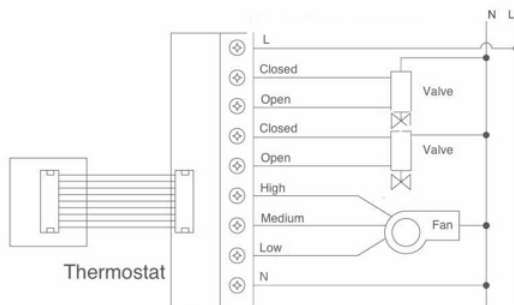
2 Wires 4 Pipes Motorized Valve & Fan Coil



3 Wires 2 Pipes Motorized Valve & Fan Coil(with Rs485)



3 Wires 4 Pipes Motorized Valve & Fan Coil



Installations

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. Need tools one slotted screwdriver and one cross word screwdriver like Figure 1.

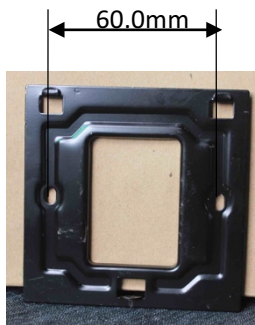


Figure 1

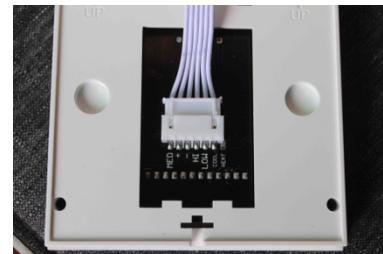
5. Installation



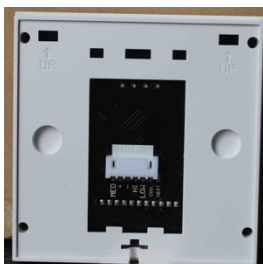
1.Connect the wire



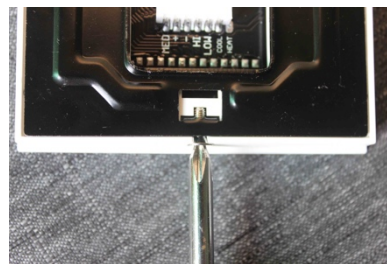
2. Fix the holder to electric box



3. Connect the transformer with board of LCD



4. Hang the LCD to holder with two "UP" hole.



5. Fix the LCD and holder with SS screw

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Zone Valve**



OEM



**LCD Room
Thermostat**



Professional

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Control Valve**





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