

HL8001 Network Thermostat

HL8001 network thermostats are used in industrial, commercial and residential environment for controlling temperatures via fan coil unit (with or without motorized valve), wind valve and heating equipment. Functions of refrigeration, heating and ventilation can be easily realized through softly touching the keyboard.

HL8001 network thermostats adopt digital control technology with big screen display, and the statuses of which are: working (Cool, Heat and Vent), Fan Speed, Room Temperature and Temperature Setting etc. Keys available are Start/Stop (⏻), Mode (M), Clock (⌚), Speed (🌀) and Temperature Adjustment (⬆️ ⬆️).



Housing: Fire Retardant ABS Dimension: 86 × 86 × 13mm

Basic Functions

- ☐ Room Temperature Setting
- ☐ Room Temperature Detection and Display
- ☐ Fan Speed Change (Auto/Manual)
- ☐ RS485 Interface

features

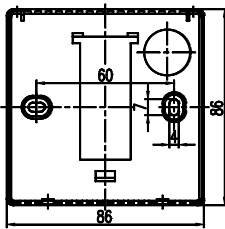
- ☐ Clock, Timing for Start/Stop and Sleep (-TXX)
- ☐ Remote Function (-XRX)
- ☐ Blue Back Light (-XXL)

Specifications

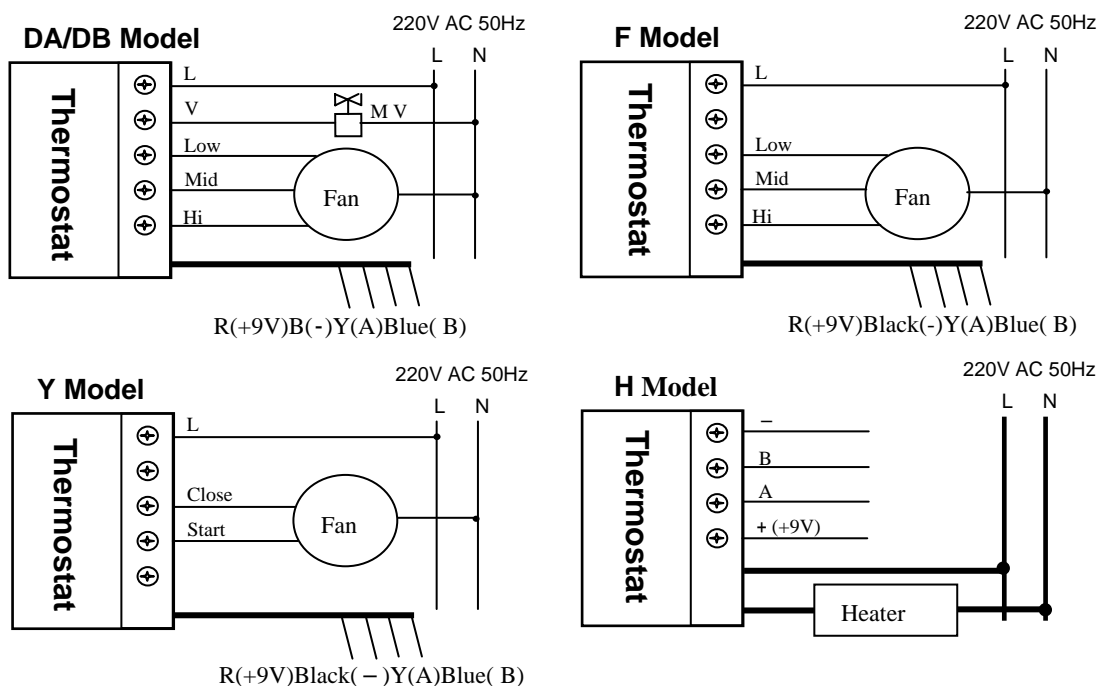
- Range: 5 ~ 35
- Accuracy: ± 1
- Current Load: < 2A (H Model: < 16A)
- Power Exhausted: < 1W
- Display: LCD

- Sensor: NTC
- Keypad: Soft touch
- Supply Power: DC9V
- Size: 86 × 86 × 13 mm
- Fixing Hole: 60 mm (Standard)












Installation:



Electrical Wiring Diagram:



Operations:




- ☞ Start/Stop: Press “” one time to turn on the thermostat and once more to turn off it;
- ☞ Temperature Setting: Press “” to decrease the temperature and press “” to increase it and each press means 1 changed;
- ☞ Cool Mode(F/D/Y Model): Press “M” till “” flashes and the system will confirm it automatically in 5 seconds;
- ☞ Heat Mode(F/D/H/Y Model): Press “M” till “” flashes and the system will confirm it automatically in 5 seconds, H Model ONLY has Heat Mode;
- ☞ Vent Mode(F/D Model): Press “M” till “” flashes and the system will confirm it automatically in 5 seconds and the fan will run according to the speed selected;
- ☞ Speed Mode(F/D Model): Press “” to select fan speed “” (Hi) , ” (Mid) , ” (Low) or ” (Auto) ;

Under Auto Mode, the fan will change its speed automatically, which means it will run at low speed when the temperature difference is higher than 1 and it will run at high speed, when the temperature difference is higher than 3 ; and if the difference is equal, DA model will close the motorized valve with fan running at low speed and DB model will close the motorized valve and the fan as well.





Parameter Setting under Close Mode:

1. Temperature Adjustment:



Applicable only when the temperature is incorrect:

- ☞ Simultaneously press “M” and “” for 3 seconds till it displays “XX ” (“ RT ” does not show) , and press “” or “” to adjust the temperature to the right degree and the system will confirm it automatically in 5 seconds.

2. Code Setting:












































Simultaneously press “” and “M” till “RT” disappears and then press “” and “ ” will automatically disappear, and thereafter, press “” and “” to number them and the system will automatically confirm the codes set(The codes range from 1 to 32).

3. Low Temperature Protection Setting:

- ☞ Under Close Mode, press “M” for 3 seconds till it displays “ 00 ” or “ 01 ” , then press “” or “” to adjust it. “00” means to disable the function and “01” means to enable the function.

When the function is valid, and under Close Mode, and the room temperature is lower than 5 , the thermostat will automatically work under heat mode and when the temperature rises to 7 , it will close automatically.

HL8001XX-TXX also has other functions as follows:

- ☞ Sleep Setting: press “” till “” flashes and press “” to confirm the setting or press “” to disable it;
- ☞ Clock Adjustment: Press “” till “ hh:mm ” displays with “hh” flashing, then press “” or “” to adjust Hour and press “” till “mm” in “hh:mm” flashes, then press “” or “” to adjust Minute, and finally press “” to confirm the setting;
- ☞ Timing Start Setting: Press “” till “” and “TIMER ON” flash, together with “hh” in “hh:mm” flashing, press “” or “” to adjust Timing Hours, and press “” till “mm” in “hh:mm” flashes, then press “” or “” to adjust Timing Minute, and finally press “” to confirm the setting;
- ☞ Timing Stop Setting: Press “” till “” and “TIMER OFF” flash, together with “hh” in “ hh:mm ” flashing, press “” or “” to adjusting Timing Close Hour, and press “” till “mm” in “hh:mm” flashes, then press “” or “” to adjust Timing Close Minute, and finally press “” to confirm the setting;
- ☞ Cancellation of Timing Start: Press “” till “” and “TIMER ON ” flash, together with “hh” in “hh:mm” flashing, press “” or “” to adjust Timing Start Hour to “00”, press “” till “mm” in “hh:mm” flashes, then press “” or “” to adjust Timing Start Minute to “00” , and finally press “” to confirm the setting;
- ☞ Cancellation of Timing Close: Press “” till “” and “TIMER OFF” flashes, together with “hh” in “hh:mm” flashing, press “” or “” to adjust Timing Close Hour to “00”, and press “” till “mm” in “hh:mm” flashes, press “” or “” to adjust Timing Close Minute to “00”, and finally press “” to confirm the setting.

Note: Please connect all the wires correctly as per the wiring diagram and keep away from water, mud so as not to spoil the element inside.