DONGHAI DC-1T controller instruction

1,outline:

DC-1T can be used with remote controller, it can detect the room temperature, CO2 concentration, and control the preheater and the fan motor working speed, it can be widely used for residential and commercial place, to create a health, comfortable, Eco environment.

2,Button:
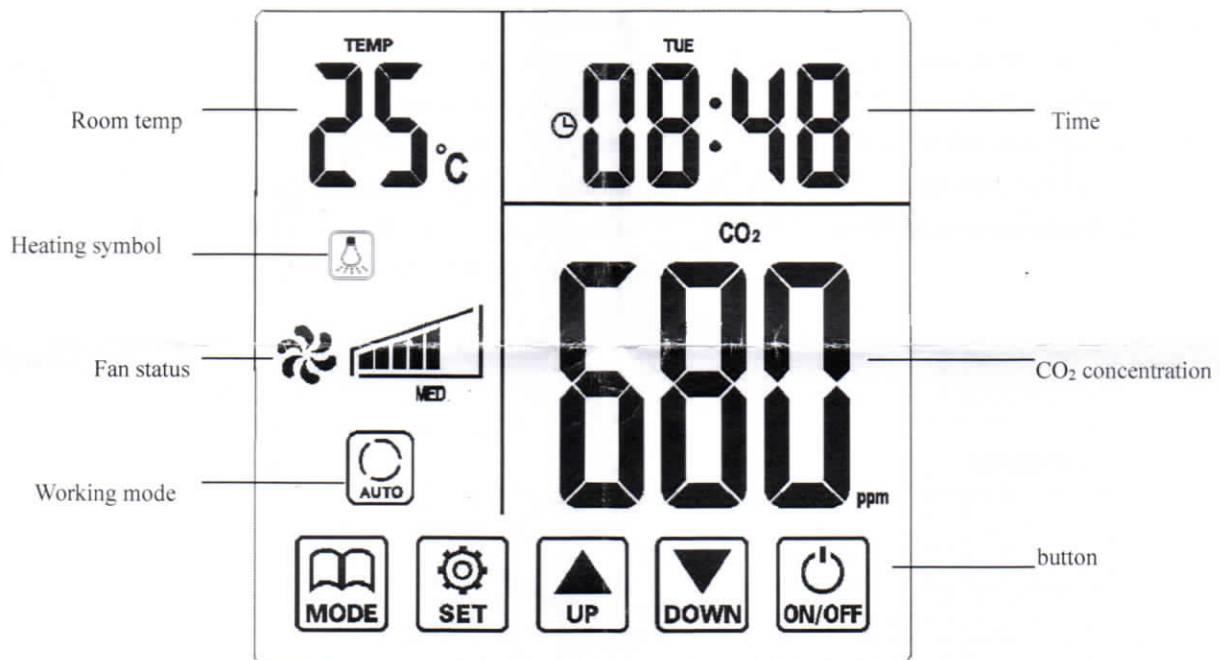
[ON/OFF] button: ON/OFF   [UP] button: add parameter   [DOWN] button: decrease parameter

[SET] button: set timmer   [MODE] button: change work mode between AUTO 、MANUAL 、TIMER

3,Panel display:

Room temp — TEMP $25°C$

Heating symbol

Fan status — MED

Working mode — AUTO

Time — TUE 08:48

CO₂ concentration — CO₂ 680 ppm

button — MODE SET UP DOWN ON/OFF

4,Details:

1. **AUTO**: **high fan speed**: CO2 concentration higher than 300ppm; **middle speed**: CO2 concentration higher than 100ppm; **low speed**: CO2 concentration higher than setting value; **stop fan** : CO2 concentration lower than setting value

2. **MANUAL**: use [UP] and [DOWN] to set fan OFF 、LOW、MED、HIGH, , the CO2 concentration will not impact fan speed.

3. **TIMER**: Set fan speed under different timer, set from Monday to Sunday, 4 segment per day, a total of 28 segments.

4. **Set CO2 concentration values for fan automatic start working   in Automatic mode**: in automatic mode, long time press [UP] or [DOWN] 1 second, CO2 setting value blink, use [UP] and [DOWN] to adjust, range from 350—600ppm。 If without setting in 10 seconds, , the controller will store the setting value and start working.

5. **Timer setting**: long time press [SET] 2 seconds to set time and timer, firstly enter into local time setting, use [SET] to shift between

week, hour and minutes, the related value will blink, use ▲[UP] and ▼[DOWN] to adjust；after local time setting, light press ▥[MODE] enter into

timer segment 1 of Monday. light press ▥[MODE] shift between hour. minutes and fan speed, use ▲[UP] and ▼[DOWN] adjust value；after setting,

light press ▥[MODE] enter into segment 2 of Monday ……，repeat the process to set all 28 timer segments. If without setting in 10 seconds..

the controller will store the setting value and start working.

6. preheater short press ⚙[SET] to switch on or off heating. the ☖ will display when heating is switched on，

7、remote controller： the setting method is same as wall controller .

8、background light will off if without any process in 10 seconds,

5,Specification:

* Rated Voltage: AC220V 50Hz
* Control power: ≤200W
* Warm-up time: ≤60 seconds
* Recovery time: ≤30 seconds
* Storage temperature: -10 ° C ---+60 ° C
* Storage humidity: ≤60% RH
*Terminal board: maximum 2.5 M2 wire
* usage Life: ≥10 years
*Temperature display range: 0 ° C ---+50 ° C

* Standby power consumption: ≤2W
*Output: 3 speed
* Response Time: ≤ 10 seconds
* Operating temperature: -10 ° C ---+50 ° C
* Operating humidity: ≤5%--90% RH
*Installation hole distance 60 mm(standard)
*CO_2 display range:350 PPM-----3000 PPM
*dimension: 86×86×40mm

6,Wiring: