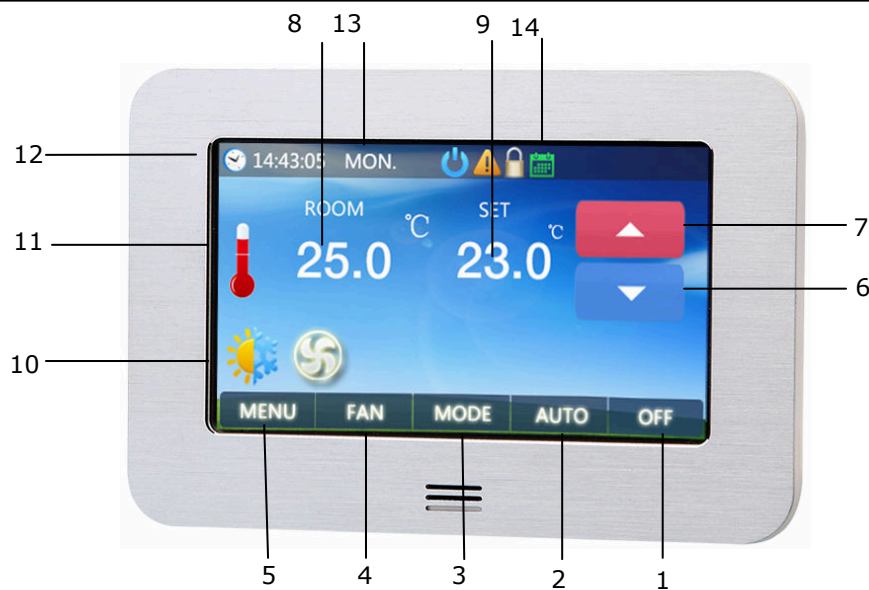


Color Touch Room Thermostat –HTW-31-DT12F

Features

- Attractive Color Touch Screen Operation
- Adjustable Heat, Cool, Heat/Cool, Fan Mode control
- Adjustable Manual 3-speed and automatic fan speed control
- 5+1+1 weekly programmable
- Clock and Date Display
- 4-pipes & 2-pipes(optional)
- 0-10V(optional)
- RS-485, Modbus(optional)
- Key card(optional)
- 86*86mm mounting

LCD Display





1	On/off Button	Turn on/off Thermostat
2	Manual/Auto Button	Select Manual Mode or Auto Mode
3	Mode Button	Select Modes
4	Fan Button	Select different fan speeds
5	Menu Button	Menu Settings
6	Down Button	Adjust the temp. and other settings
7	Up Button	Adjust the temp. and other settings
8	Room Temp. Display	Indicate actual room temp.
9	Set Temp. Display	Show desired set temp. range: 5-35 °C
10	Current Working Mode	Indicate current working mode
11	Room Temp. Icon	Room Temp. Icon
12	Clock Icon	Show actual time & enter parameter settings
13	Weekday Icon	Show current weekday
14	Auto Mode Icon	Current working mode
15	Time& Date Setting Button	Adjust the time & date
16	Auto Mode Setting Button	Set 5+1+1 PRG. Schedule
17	Language Select Button	Select English or German Language Display
18	Low Fan Speed Button	Select Low Fan Speed
19	Middle Fan Speed Button	Select Middle Fan Speed
20	High Fan Speed Button	Select High Fan Speed
21	Low Fan Speed Button	Select Auto Fan Speed
22	Heat Mode Button	Select Heating Mode
23	Cool Mode Button	Select Cooling Mode
24	Ventilation Mode Button	Select Ventilation Mode
25	Heat/Cool Mode	Select Heat/cool Mode(4-pipe system)
26	Auto Mode Button	Select Auto Mode
27	Manual Mode Button	Select Manual Mode

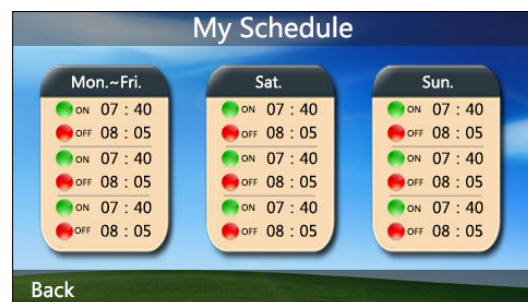
Technical Data

Voltage - 110/220/24Vac, 50/60Hz optional	Backlight - Color
Consumption - 1.5A	Sensor - NTC 10Kohms at 25°C
Temp. Setting Range - 5~35°C	Accuracy - ± 0.5°C
Ambient - 0~50°C	Protection Class - IP30
Relative Humidity - 85%	Housing - ABS to UL94-5 fire retardant plastic

Schedule Setting

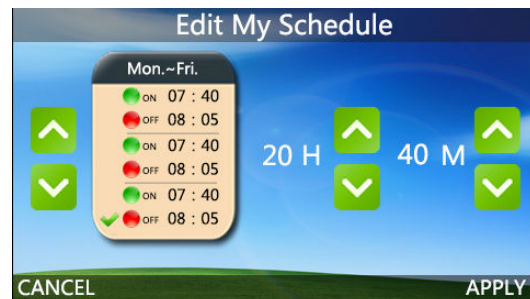
Schedule Review

Press Menu button, and select , then enter the schedule review. If you want to change the schedule, touch that part to



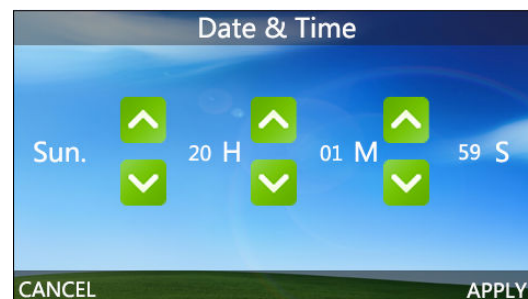
Edit My Schedule

For example, if you want to edit Sat. schedule, you can press Sat. part, then you will enter the edit page. Every on/off time can be finished through the  or  button. After setting press APPLY to save.

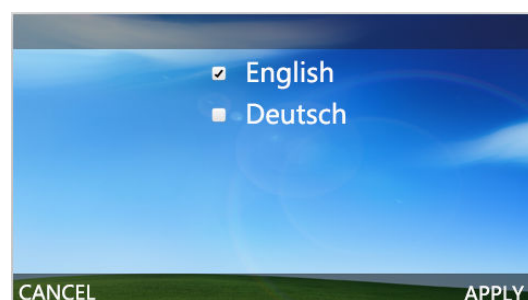


Edit Date and Time & Language Select

Press  to enter date & time edit page, then press  or  to select the correct date and time. After setting press APPLY to save.



Press  to enter language page to select English or German Language display. After setting press APPLY to save.

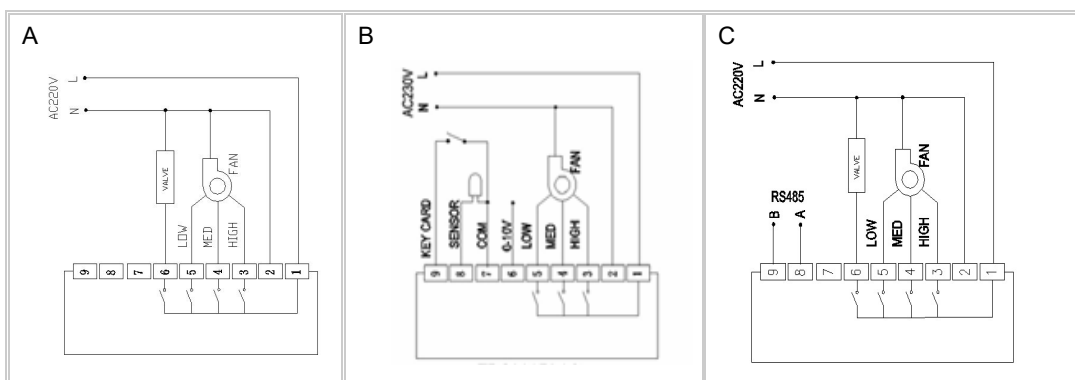


Parameter Settings

Within 3S after turning thermostat to OFF mode, press  for 2 seconds, then will enter parameter setting, you can set the desired value by pressing “<<” or “>>”, and go to other pages by pressing “Pre” or “Next”.

Menu	Description	Range
01	Temp. Offset	-8 °C ~8 °C
02	Dead Zone	0 °C ~3 °C
03	Set Point Max.	5 °C ~80 °C
04	Set Point Min.	5 °C ~80 °C
05	Unoccupied Set Point	5 °C ~35 °C
06	Key-card	NO/NC
07	Relay Output	DT/PI/FL
08	Working Mode	Heat/Cool/C&H/F&C&H/FAN/
09	Fan	Low /Stop
10	NTC Select(Internal, External)	I only/E only/ I & E/I or E
11	RS485 Address	1-255
12	Backlight off Time after Operation.	3s~180s
13	Min. Backlight Brightness of Standby Status	1%~100%
14	Relay Delay Time	0s~250s
15	Relay Output	Normal(NO); Inverted(NC)
16	Restore	

Typical Wiring Diagrams



Dimension (mm)

