

Specifications and Key Features

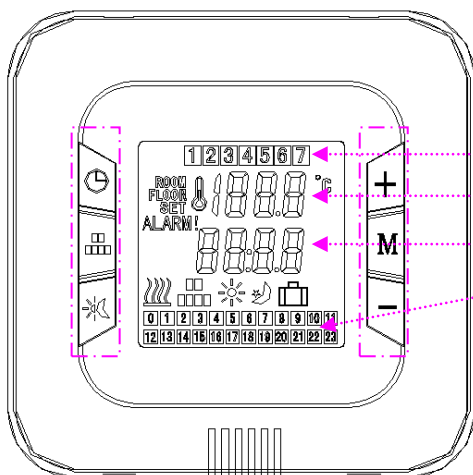
- 230Vac , 50/60HZ,
- 5~30 °C Room temp
- 30~80°C Floor Over-heating Protection
- Adjustable holiday/ energy-saving/ Comfort /programmable mode control
- Water heating system (Max. 3A)& Electric heating system(Max. 16A)
- 7 days programmable
- RS-485, Modbus(optional)
- Floor sensor(optional)



Buttons and Display

Buttons:

- ※Week&Day Setting
- ※7-days Programmable
- ※Temp. Pre-setting & Working Modes Selection
- ※Heating on



Displays:

- ※Weekday from 1(Mon.) to 7(Sun.)
- ※Room Temp. or Floor Temp.
- ※Time
- ※Current Time each day
- Comfort Mode
- Energy-saving Mode
- Holiday Mode

Temp. Pre-setting for Modes

Press button for 3 sec, then go into modes temp. setting by pressing “+” & “-“ button.
All data will be stored after 5 seconds.

No.	Mode	Range
1 st	Holiday Mode	5°C ~ 30°C
2 nd	Energy-saving Mode	5°C ~ 30°C
3 rd	Comfort Mode	5°C ~ 30°C





Working mode selection & 7days program.

1. Please press “M” button to select holiday mode, energy-saving mode and comfort mode, then thermostat can run at your desired setting temperature.
2. Please press “M” to select programmable mode () , then you can program 7 days with Comfortable mode and Energy-saving mode.

Heating Room Thermostat





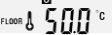
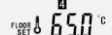
HTW-31-H12

7days program setting between Comfort Mode & Energy-saving Mode .




- I. Press  to select week day, the top Numbers 1 to 7 is for Monday to Sunday.
- II. Press  to select  or  mode on your desired hour.
- III. Press "+" and "-" to set hour.

Other settings

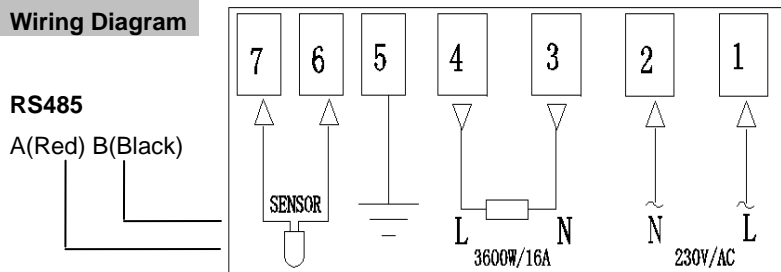
Press "M" for 3 seconds to go to menu setting by "+"&"-". Each press of "M" will go to next menu setting.

Menu	Function	Description
01	Modbus Address	0233(default)
02	Temp Calibration	Range: -8°C ~ 8°C
03	Sensor selection	 Room Sensor only
		 Floor Sensor only
		 Room Sensor & Floor Sensor
04/05	If you choose 	 50.0 °C Current Floor Temp displays on LCD
		 65.0 °C Set Over-heating protection temp and will display on LCD. If the floor temp. over protection set-point, ALARM! occurs.
06	Software Version	-----

Time Correction

Long Press  for 3 seconds to enter into time setting by press "+" and "-" button, each press of  buttons can go to next item(min-hour-week) setting. All settings will be stored after 5 seconds or press  again.

Wiring Diagram



Mounting & Installation

