f

HY01WW Thermostat User Manual

Many thanks for your selection of our products and services, and also for your trust and support to us.

Product Specifications

- ✧ Power source ：100-240VAC 50/60HZ
- ✧ Display accuracy:：0.5°C or 1°F
- ✧ Probe sensor:：NTC(10k)1%
- ✧ Contact capacity:：3A/250V(WW)
- ✧ Working environment temperature:：0~50°C/32~122°F
- ✧ Range of temperature adjustment:：5~35°C/41~95°F

- ✧ Range of temperature display:：0~40°C/32~104°F
- ✧ Output: Switch relay
- ✧ Insulating condition: Normal environment
- ✧ Running program: Set per 1 week as a cycle
- ✧ Installation: Wall mounted or on battery seat
- ✧ Size(mm)：130*90*17

Displays & Buttons
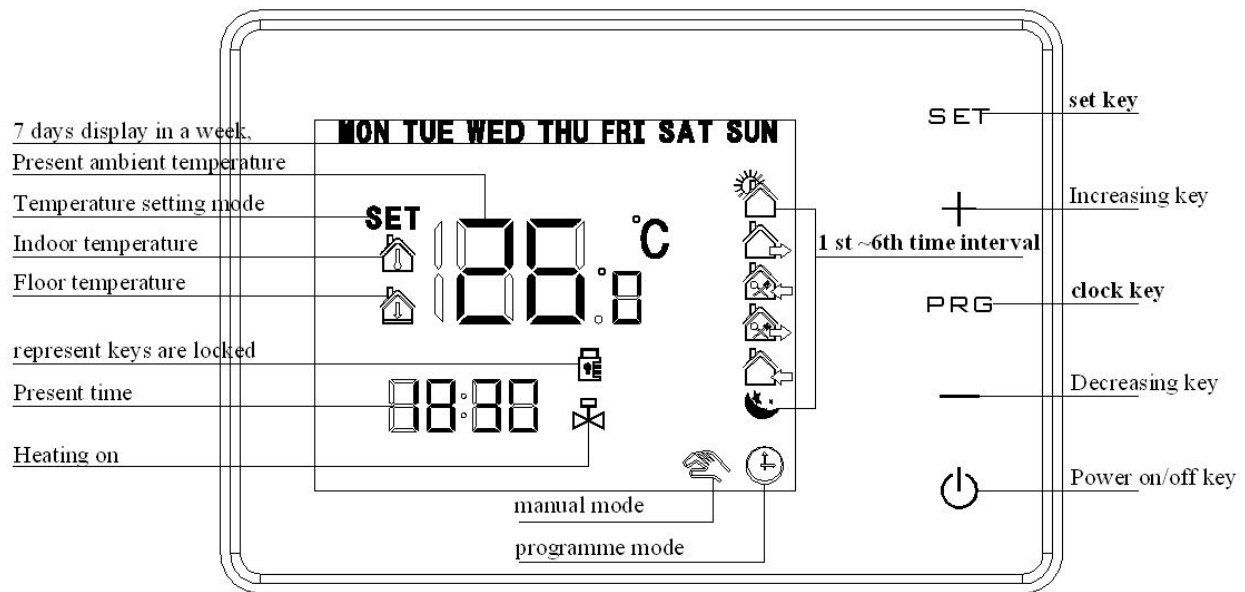
Fig.1

Operation Key

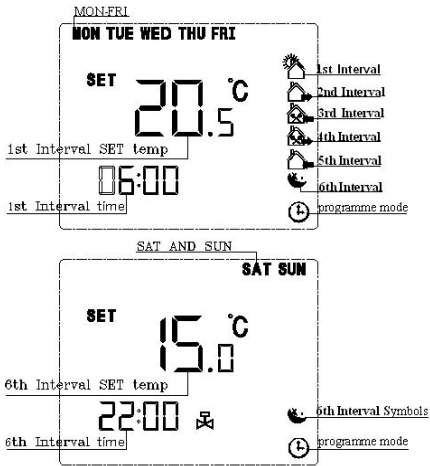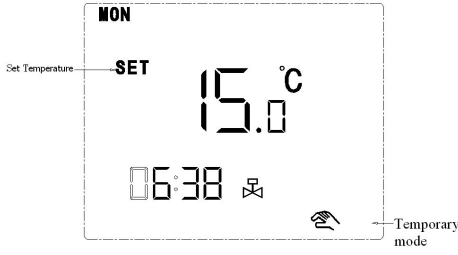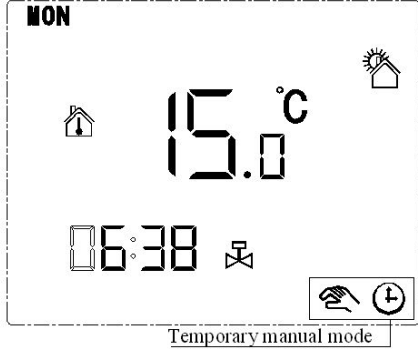| NO:	symbols	represent
A	SET	set key：short press it to switch programme mode to manual mode. At programme mode, press "十"or"—" to adjust the value, it will automatic enter into temporary manual mode
B	十	Increasing key
C	PRG	clock key：short pressing is setting clock,long pressing is setting programme Keys locked/unlocked：press "十"and"—"at the same time for 3 seconds
D	—	Decreasing key
E	⏻	Power on/off key

Run Mode

Factory Preset Mode

Interval	Monday to Friday	the default value	Saturday and Sunday	the default value
1st	06:00-08:00	20°C	06:00-08:00	20°C
2nd	08:00-11:30	10°C	08:00-11:30	20°C
3rd	11:30-13:30	18°C	11:30-13:30	20°C
4th	13:30-17:00	10°C	13:30-17:00	20°C
5th	17:00-22:00	20°C	17:00-22:00	20°C
6th	22:00-06:00	18°C	22:00-06:00	18°C

（programming mode）
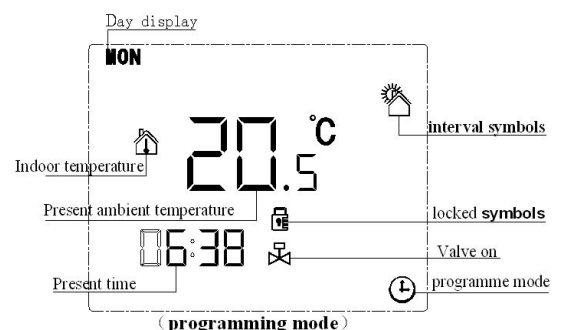
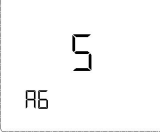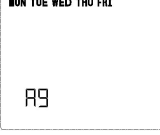| Mode	explain	printscreen
Programming mode	Press"**SET**"to switch into programme mode（As shown in picture one） Programme illustration 5+2 programme function（advanced options contain of 6+1 and7 days programme function，you can also cancel this programme function ），that is Monday to Friday is the same setting value, and Saturday to Sunday is the same setting value。Every day can be divided into 6 time interval Setting the programme value：long press"ᴾᴿᴳ" to enter into programme setting mode, then short press"ᴾᴿᴳ"to switch，press"十"or"一"to adjust value。	MON-FRI MON TUE WED THU FRI SET 20.5℃ 1st Interval SET temp 06:00 1st Interval time 1st Interval 2nd Interval 3rd Interval 4th Interval 5th Interval 6th Interval programme mode SAT AND SUN SAT SUN SET 15.0℃ 6th Interval SET temp 22:00 6th Interval time 6th Interval Symbols programme mode
Manual Mode	Press "**SET**"to enter into manual mode（As shown in picture two），press"十"or"一"to adjust value。	MON Set Temperature — SET 15.0℃ 06:38 Temporary mode
Temporary manual mode	At programme mode,press "十"or"一" to adjust the value, it will automatic enter into temporary manual mode	MON 15.0℃ 06:38 Temporary manual mode

Advanced options

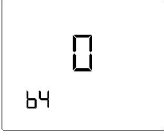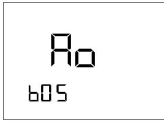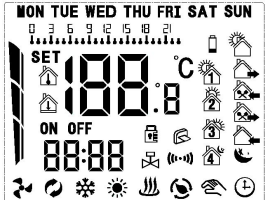**Advanced options can be classified to two sets**

MODE 1：

Hold down SETand 十 at the same time for 3 seconds,it will display A1-A9,then press SET to switch between these options

Displaying symbol	Option content	Press"十"or"一"to adjust value

	temperature compensation（A1）	Range:-9°C~9°C，increment:0.5°C. Because of install place and air convection factor in room,it need to calibrate or compensate current room temperature for the system,making the test temperature conformity with the actuator temperature
	Start differential temperature （A2）	Range：1°C~5°C： 1、When the setting temperature is higher than or equal to the sum of indoor temperature and the start differential temperature, the heating equipment will turn on. 2、When the indoor temperature is higher than or equal to the sum of the setting temperature and the start differential temperature, the heating equipment will turn off.
	Keypad （A3）	0 half locked：all keys are locked except for the on-off key； 1 full locked。all keys are locked including the on-off key。
	Sensor choice （A4）	N1：single build-in sensor； N2：single build-out sensor； N3：build-in and build-out sensor。
	high temperature protection（A5）	Range:35~70 When the lowest setting temperature is 35°C,press "——",it will display "━ ━", high temperature protection function is canceled; if the indoor temperature is higher than the high temperature protection value,the heating equipment will be cut off. Default value is =45°C
	low temperature protection（A6）	Range:5°C~10°C ;When the highest setting temperature is 10°C,press "十",it will display "━ ━", low temperature protection function is canceled; if the indoor temperature is lower than the low temperature protection value,the heating equipment will be cut off. Default value is =5°C
	setting temperature lowest limiting value（A7）	Range:1°C~10°C:
	setting temperature highest limiting value（A8）	Range:30°C~70°C
MON TUE WED THU FRI	Week programme choice（A9）	MON TUE WED THU FRI SAT SUN: represent 7days programme MON TUE WED THU FRI SAT：represent6+1 programme MON TUE WED THU FRI：represent5+2 programme "━ ━"represent programme is canceled

MODE 2：

At power off state, hold down "PRG and "——"at the same time for 3 seconds it will display B1-B3,then press "SET" to switch between these options

| Displaying symbol	Option content	Press"＋"or"—"to adjust value
b1	**Valve control option （B1）**	0 represent valve is controlled by the thermostat ； 1 represent valve is not controlled by the thermostat, it's always closed。
b2	**Anti-freezing (Descaling function) function option（B2）**	0 close，1 open。 Anti-freezing function：when valve is continuously closed over100 hours，it will be opened for3 minutes。
b3	**GA/GB option（B3）**	0-GA：valve switch protection time is about 3 seconds; 1-GB：valve switch protection time is about 15 seconds；GB no anti-freezing function
b4	**°C or °F（B4）**	Celsius degree or Fahrenheit degree
Ao b05	**Restore factory （b 0 5）：**	Display A o,Long press wind speed key whole show Restore factory

Cautions on Installation and Use:

1. To prevent the thermostat display from a high fluctuation, special treatment has been made to the program. Therefore, it is normal that the thermostat cannot immediately display the sudden change of temperature.

2. The thermostat installed on 1.5m above the ground.

3. For the thermostat installed,please take care not to install it to the wall corner, door / window side or behind the door or in such unheated area as exterior wall. Avoid hot / cold air duct, radiator, flue or thermal pipe.

4. If you have any problem for the installed ,please contact our company hysen, we will make a demonstration for you

5. Only the professional technicians are permitted to open the transmitting and receiving box of the thermostat for installation. When installing the power supply, make sure that the power cable is well insulated.

6. The thermostat is unrepairable product. The user shall not open the internal circuit board.

7. Before installing the thermostat, make sure that the system is disconnected. The maximum voltage of the system shall meet the requirements specified in the Instruction Manual (Max. AC Voltage: 250V).
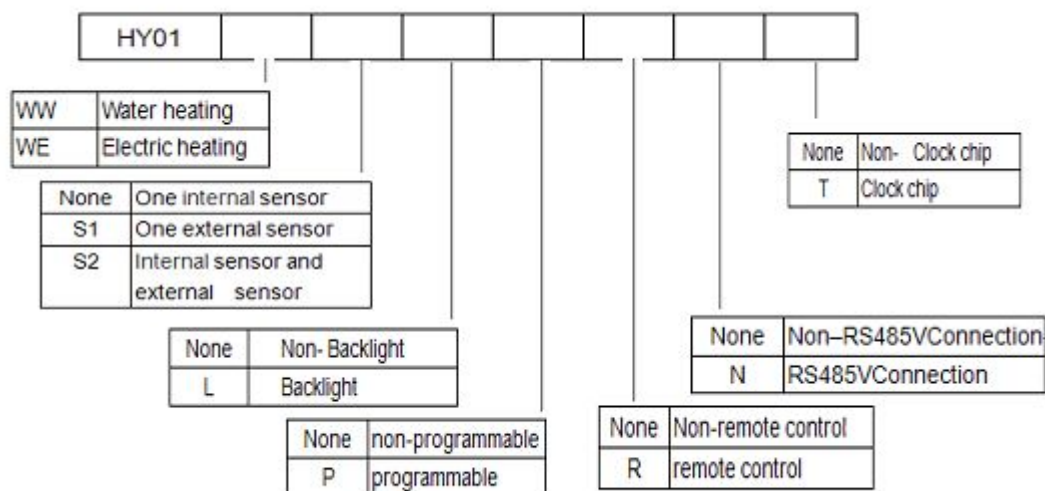
Wring Illustration

1、Wiring Terminals

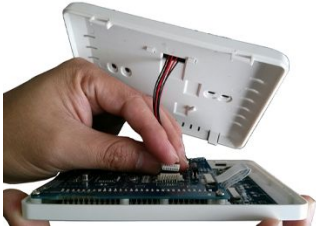| Wiring Terminal	Remarks
1	**NC (Normally-Closed point)**
2	**NO (Normally-Open point)**
3	**N:AC Neutral**
4	**L:AC Live**
5	**NTC**
6	**NTC**
+	RS485
−	RS485
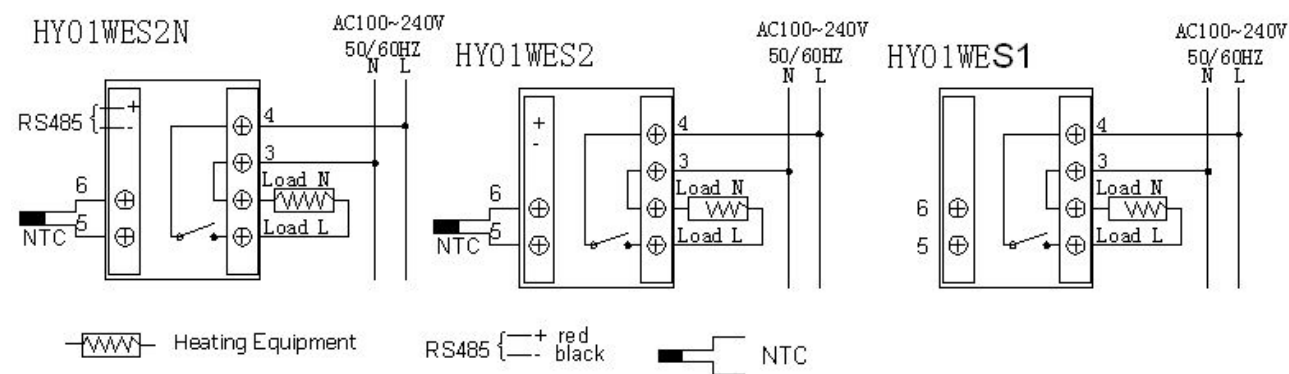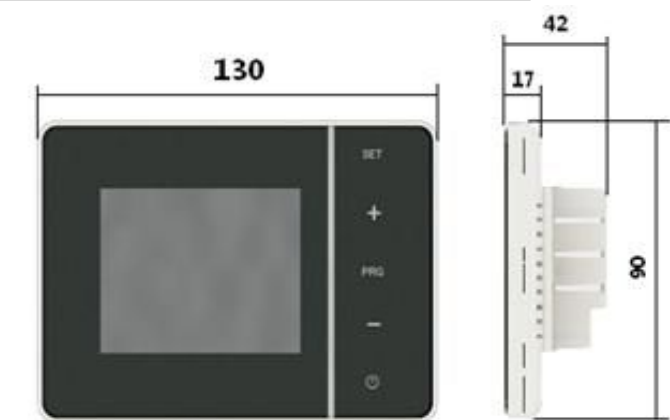
Warranty：

We offer the warranty of 12 months, from the sales day. The products of our company can have lifetime warranty ,if it is not the quality problems, or beyond the warranty period, we will charge for the after-sale service.

PRODUCT ORDERING INFORMATION

Please use a small screwdriver (about 3.5mm width) insert. The notch of LCD broad about 4mm	Up the screwdriver with a little pressure, and Open the LCD penel	Please use two screw to fasten the power panel the hidden box.
LCD panel and power panel should be connected(please connect them softly to avoid the line broken)	LCD panel also be connected to the hidden box	Please press the cover softly and finished the installation.