TED
Thirty Eight Degrees

VENN

INSTALLATION GUIDE

3 OUTLET

Installation and Use Manual

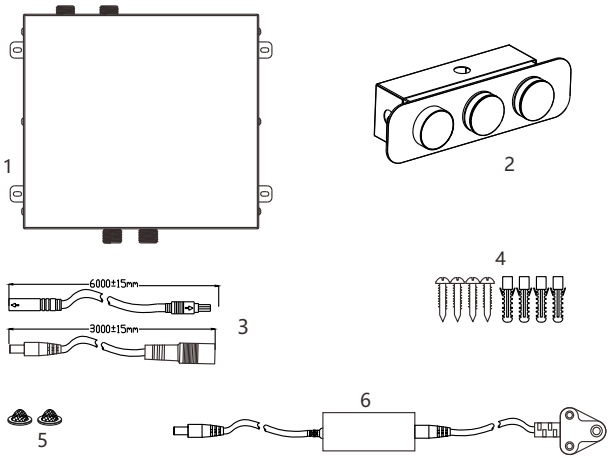
H171-2C Shower System

Thirty Eight Degrees

Attention

1. This machine should use tap water and should not use unfiltered and untreated dirty water, otherwise it may cause damage to the valve of the machine.
2. The normal water pressure of this product is 0.1Mpa -0.6Mpa. For safety reasons, if it exceeds 0.6Mpa water pressure, please install a pressure reducing valve to ensure the normal use of the system.
3. This product does not have heating function. It is recommended to use thermal storage, solar water heaters or centralized heating as the heat source. The maximum hot water temperature that this product can withstand is 85 ℃. If not necessary, it is recommended to adjust the hot water temperature below 65 ℃.
4. To ensure safety, please feel the water temperature with your hand before taking a bath.

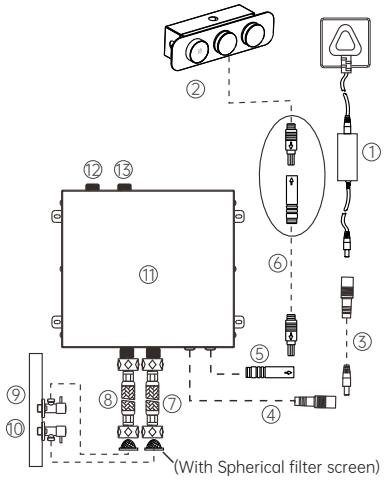
Accessory list



No.	Item	Qty
1	Thermostatic host	1
2	Control keypad+Install bracket	1
3	Power relay line+Computer trunk line(Optional)	2
4	Installing rubber plugs+ST4*25 (Round head with a self tapping insert)	8
5	Spherical filter screen	2
6	Power supply adapter	1

System Introduction

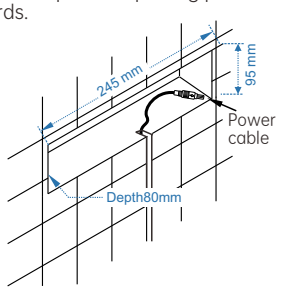
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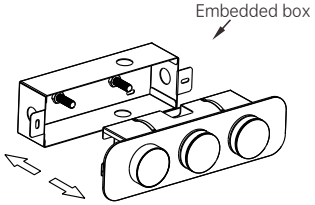
① Power Adapter
② Display box controller
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⑤ Computer control cable connector
⑥ Control panel relay line
⑦ Cold water inlet
⑧ Hot water inlet
⑨ Thermal storage or solar powered hot water source Or centralized heating
⑩ Cold water source and switch
⑪ Thermostat host
⑫ Outlet 1
⑬ Outlet 2

Controller box Installation

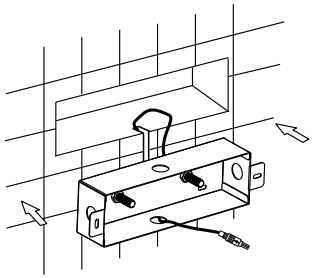
01 Slot according to the diagram in a suitable location on the wall, and reserve space for placing power cords.



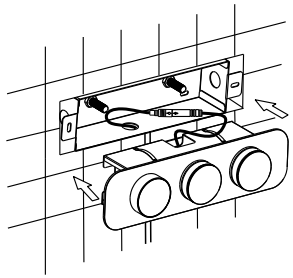
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03 After the power cord passes through the through-hole of the embedded box, install the embedded box into the slot and fix it around with cement filling.



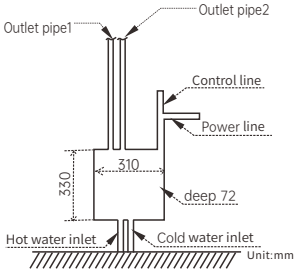
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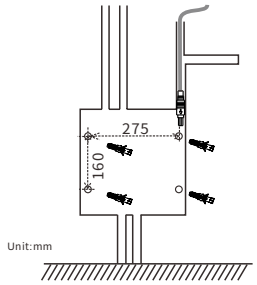
Thermostatic control box installation

There are two host installation methods: concealed wall mounting and installation on the ceiling partition. placed on the ceiling compartment, Directly connect the water pipe and power supply, the following figure mainly introduces the embedded installation.

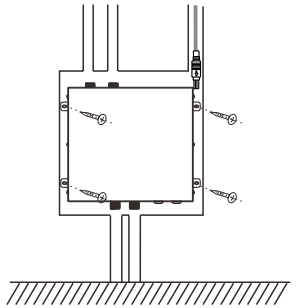
01 Slot the appropriate position on the wall according to the diagram, and reserve space for placing the power cable.



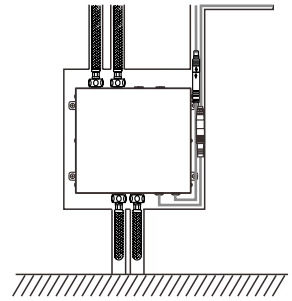
02 Drill four holes with a diameter of 8mm into the slot and insert the mounting plug.



03 Put the thermostatic control box into the slot, and then tighten it with ST4*25 large flat head screws.so as to ensure that the control box is connected with the inner wall of the groove maintain flat.

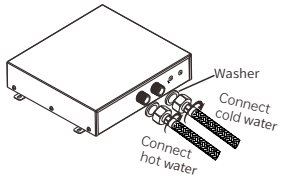


04 Connect the water pipes and power cables of the control box, connect the water supply, and ensure that the pipes do not leak. Connect the cable of control panel line. then seal the wall with cement and cover the tile.



Attention:

1.Connect the G$^{1}/_{2}$'' hot and cold water inlet pipes to the host box, tighten it and make sure connection is well sealed.

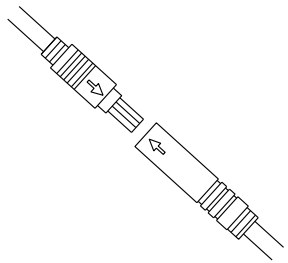


2.Filter rubber pad should be put inside the pipe connector of hot water and cold water. the water with the washer, this way could avoid water leakage on water outlet pipe connector.

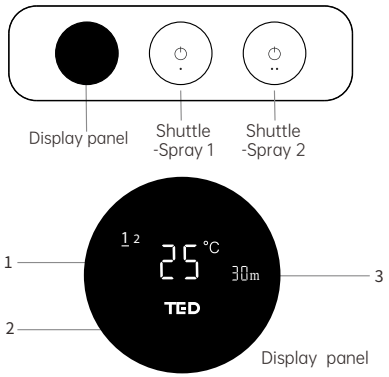
3.Hot and cold water pipes cannot be connected wrong, otherwise the system cannot work properly!

Attention:

The plug-in cable must be aligned according to the arrow shown in the diagram in order to be inserted, otherwise it will damage the plug.



Display instructions



1. Temperature 2. Spray models 3. Countdown indicator

Operating instructions

Standby Status

When all functions are turned off while powered on, the system automatically enters standby mode, Display panel and shuttle backlight turned off.

Power On

When system is in standby, short pressing the any shuttle button to activate the system and display screen shows current water temperature (default is 38℃), water flow default is L5. System power off, setting data will be saved for next time using.

Power off

(1) Turn off the device after the start timer is over;

(2) Short press the shuttle to turn off all water outlets and automatically shut them down;

(3) Press and hold any shuttle after turning on to quickly shut down, Close all effluent at once; After shutting down, all displays and lights will be turned off.

Temperature

Rotating display panel in power on state can set water TEMP, Screen shows" TEMP ", The set water temperature is displayed above the display screen, Turning the Right Shuttle to Increase Water Temperature, Turn left to lower the water temperature, If there is no operation for 5 seconds, exit the water temperature setting and display the current water temperature.

Water Temp Range: 25~48℃ (77℉~118℉)

Shuttle backlight indication: When water TEMP < 34℃ Shuttle switch lights up blue light, When in the range of 34~40℃,the shuttle emits a bright orange light, Water Temp > 40℃ bright red light. (Display the set temperature color when adjusting the temperature, and restore the display of water temperature color after 3 seconds)

When the temperature is adjusted to 25℃,Left-handed display box Half circle will enter cold water mode, screen shows COOL ,Under cold water mode, Right-Handed half circle will quit cold water mode, After quit out cold water mode, temperature setting 25℃,Automatically exit cold water mode when turned off in cold water mode, and restore default temperature of 38℃ when turned on again.

Flow

Under power on state, Rotate the display box can setting flow, screen shows" FLOW "and setting flow grade, Right-hand shuttle will increase the flow rate, Left-hand shuttle will decrease the flow rate, If there is no action for 5 seconds, exit the traffic setting.

Flow setting range: L1~L5.

Spray Mode Settings

A shuttle corresponds to a spray nozzle, short press any shuttle to open the corresponding spray, and can not be opened at the same time, open , closed, open closed, The open water outlet icon is underlined, for example, " 2 " . After opening, press again to turn off the current spray.

Overheat Alarm

When system power on, the water outlet is turned on and the water temperature exceeds 49 ℃, temperature on the display panel flashes and the overheat protection is activated. The water outlet will be automatically turned off, and the system will be turned off after 3 seconds.

Switching Between Fahrenheit And Celsius

Press and hold for 10 seconds after shutting down Any shuttle can enter the temperature icon switching interface once, Rotating shuttle can be switched, Selected temperature icon has an underline, After selecting, short press once to exit.

Timed shutdown time

Power on status, with a timed shutdown time displayed on the display screen,The unit of timed shutdown time is minutes. Automatically shut down when the scheduled shutdown time reaches 0.

Within 10 seconds after shutting down, Long press any shuttle twice to enter the timed shutdown time setting interface, Rotating shuttle can add or subtract time, setting range:30~60mins, Automatically save after 2 seconds of setting completion. You can short press once to exit the setting. After setting, it will automatically exit without any operation for 20 seconds and return to the shutdown state.

Communication Failure

There is no connection or connection failure between the shuttle and the display panel, Then it cannot be turned on, If a malfunction occurs again after turning on, it will be forcibly shut down.

Self check mode

Press and hold the any shuttle for 5 seconds in the shutdown state for the first 20 seconds after power on to enter self-test mode.

Note: Press and hold for 2 seconds to trigger the temperature scale selection interface. Do not release it at this time until it enters self-test mode before releasing it. After entering the self check mode, the interface displays "Self Check", and after the self check is completed, "OK "or the corresponding fault code is displayed below Self Check.

Fault code description:

OK	No faults
F1	Hot water pipeline length
F2	Does not have hot water supply
F3	Hot and cold water temperatures are the same
F4	Motor malfunction
F5	Hot and cold water connections are reversed
F6	Does not have cold water supply
F7	One-way valve malfunction, with water leakage issue, hot water Flowing through to cold water pipe
F8	Hot water low temperature

Technical Parameter

Working conditions and characteristics					
Rated voltage	AC110-240V	Rated frequency	50/60HZ	Rated Power	13W
Insulation resistance	>20MΩ	Waterproof	IPX4		
Number of load configuration orders					
Load category	Rated load voltage	Rated load frequency	Rated load power	Others	
Solenoid valve	DC12V	-	5W*2	-	
Flow valve	DC12V	-	1W	-	
Thermostat valve	DC12V	-	2W	-	

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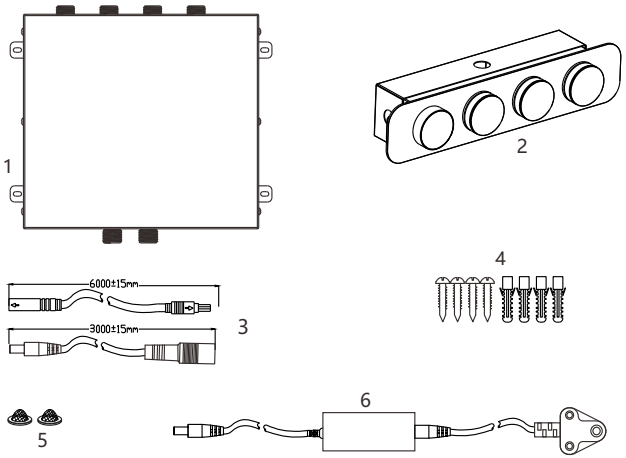
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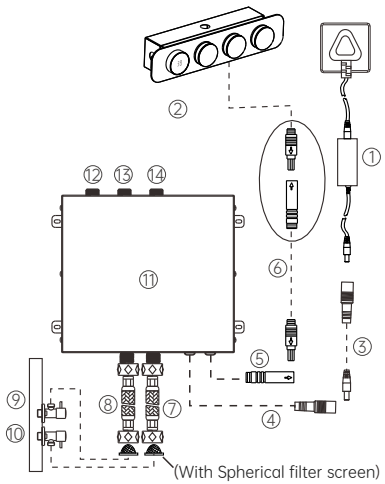
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6	Power supply adapter	1

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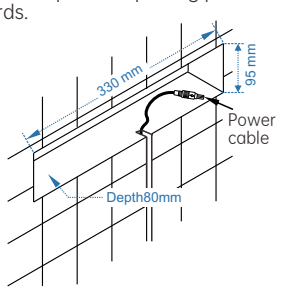
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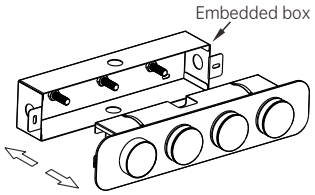
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Controller box Installation

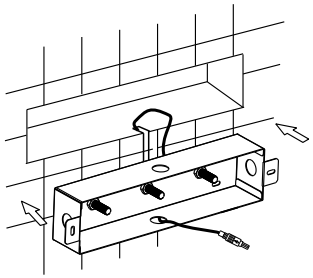
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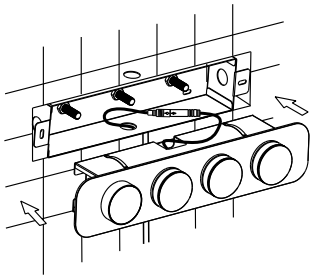
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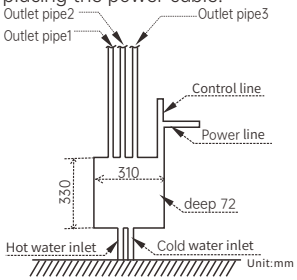
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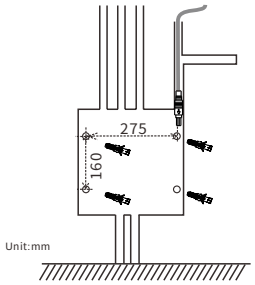
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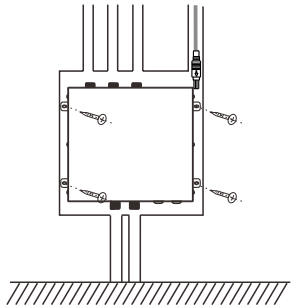
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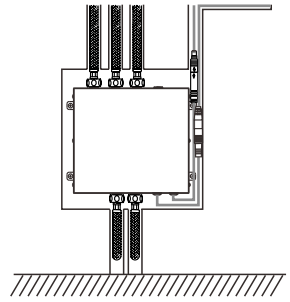
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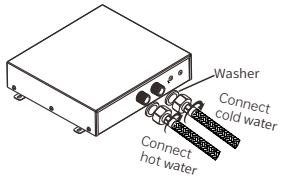


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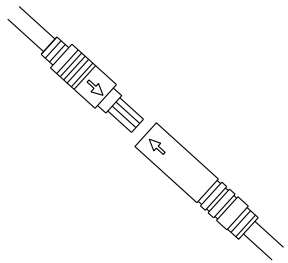


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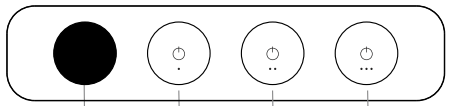
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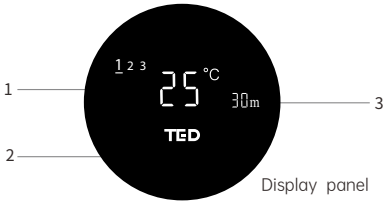
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Display instructions





1. Temperature 2. Spray models 3. Countdown indicator

Operating instructions

Standby Status

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Power On

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Power off

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Water Temp Range: 25~48℃ (77℉~118℉)

Shuttle backlight indication: When water TEMP < 34℃ Shuttle switch lights up blue light, When in the range of 34~40℃,the shuttle emits a bright orange light, Water Temp > 40℃ bright red light. (Display the set temperature color when adjusting the temperature, and restore the display of water temperature color after 3 seconds)

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Flow setting range: L1~L5.

Spray Mode Settings

A shuttle corresponds to a spray nozzle, short press any shuttle to open the corresponding spray, and can not be opened at the same time, open , closed, open closed, and can be opened at the same time. The open water outlet icon is underlined, for example, "2 "; The last icon that opens is enlarged; Displays small ICONS without underscores if they are not open, such as" 2 ".After opening, press again to turn off the current spray.

Overheat Alarm

When system power on, the water outlet is turned on and the water temperature exceeds 49 ℃, temperature on the display panel flashes and the overheat protection is activated. The water outlet will be automatically turned off, and the system will be turned off after 3 seconds.

Switching Between Fahrenheit And Celsius

Press and hold for 10 seconds after shutting down Any shuttle can enter the temperature icon switching interface once, Rotating shuttle can be switched, Selected temperature icon has an underline, After selecting, short press once to exit.

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Press and hold the any shuttle for 5 seconds in the shutdown state for the first 20 seconds after power on to enter self-test mode.

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F6	Does not have cold water supply
F7	One-way valve malfunction, with water leakage issue, hot water
	Flowing through to cold water pipe
F8	Hot water low temperature

Technical Parameter

Working conditions and characteristics					
Rated voltage	AC110-240V	Rated frequency	50/60HZ	Rated Power	13W
Insulation resistance	>20MΩ	Waterproof	IPX4		
Number of load configuration orders					
Load category	Rated load voltage	Rated load frequency	Rated load power	Others	
Solenoid valve	DC12V	-	5W*3	-	
Flow valve	DC12V	-	1W	-	
Thermostat valve	DC12V	-	2W	-	