VL-ZP07138

LIVOLO
LIVE ON LOVE

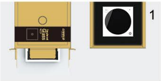
Wi-Fi Thermostat
Manual

http://www.livolo.com

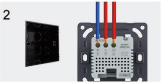
Installation Precautions

1. Be sure to turn off the power before installation.
2. Must be wired according to the wiring requirements.
3. The load connected to the live-wire output model must not exceed 16A; The load connected to the dry contact model must not exceed 3A.
4. The diameter of the wall box inside is not less than 60mm, and the depth is not less than 38mm.

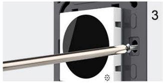
Installation Instructions



Open the package then take out product.



Connect wire and tighten the screws.



Use the two screws to fix.

Cover the panel, connect the power.

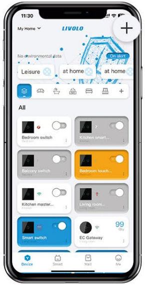
Network Pairing Instructions

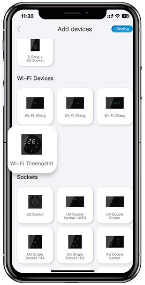
Step 1:

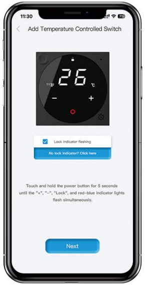
Open the LIVOLO APP in the "Device" page, click the upper right corner of the "+" button, select the "Wi-Fi Thermostat" device.

Step 2:

Follow the guide of the app, Press and hold the power button for 5 seconds, release when the +/- indicators flash. Click "Next" on the APP, wait for the pairing progress bar to reach 100%, click "Finished" after naming the WiFi Switch.The Thermostat is successfully paired.

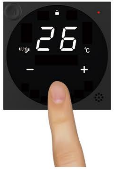

11:30
My Home
LIVOLO
+
No environmental data
On alert
Leisure
at home
at home
All
Bedroom switch
Kitchen smart...
Balcony switch
Bedroom touch...
Kitchen master...
Living room...
Smart switch
EC Gateway
99
Device
Smart
Mall
Me


11:30
Add devices
Binding
2 Gang + EU Socket
Wi-Fi Devices
Wi-Fi 1Gang
Wi-Fi 1Gang
Wi-Fi 3Gang
Wi-Fi Thermostat
Sockets
EU Socket
UK Double Socket (USB)
UK Double Socket
UK Single Socket 13A
UK Single Socket 15A
AU Double Socket

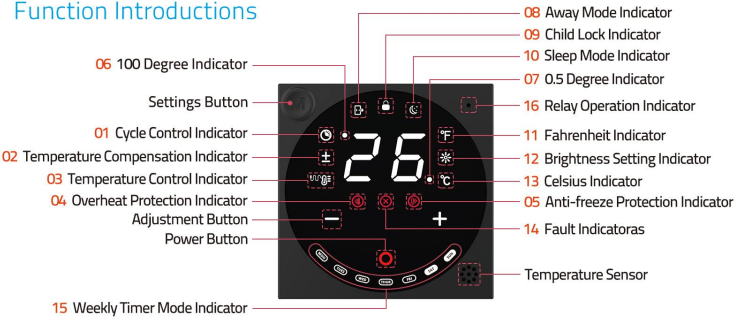

11:30
Add Temperature Controlled Switch
26
℃
☑ Lock indicator flashing
No lock indicator? Click here
Next

Touch and hold the power button for 5 seconds until the "+", "-", "Lock", and red-blue indicator lights flash simultaneously.

Long press"Button" for 5 seconds



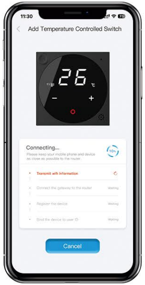
Function Introductions


08 Away Mode Indicator
09 Child Lock Indicator
10 Sleep Mode Indicator
07 0.5 Degree Indicator
16 Relay Operation Indicator
11 Fahrenheit Indicator
12 Brightness Setting Indicator
13 Celsius Indicator
05 Anti-freeze Protection Indicator
14 Fault Indicatoras
Temperature Sensor
06 100 Degree Indicator
Settings Button
01 Cycle Control Indicator
02 Temperature Compensation Indicator
03 Temperature Control Indicator
04 Overheat Protection Indicator
Adjustment Button
Power Button
15 Weekly Timer Mode Indicator
26
MON
TUES
WED
THUR
FRI
SAT
SUN

01- Cycle Control Indicator ◔:

Indicates that the system is currently in cycle control mode.Short press the M button to enter the setting state and configure the cycle control mode. In this mode, the auto-timer control the on/off cycle of heating device. One cycle lasts 30 minutes, if set the value to 15, the heating device will heat 15 minutes and then pause 15 minutes, and repeat this cycle.

If the set the value to 10, heating device will heat 10 minutes and pause 20 minutes, and repeat this cycle. If the value is adjusted during the cycle, the thermostat will adjust the corresponding control

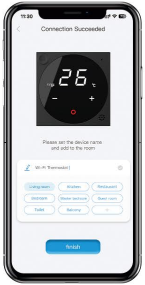

11:30
26
℃
Cancel

Add Temperature Controlled Switch

Connecting...

Please keep your mobile phone and device as close as possible to the router.

- Transmit wifi information
- Connect the gateway to the router Waiting
- Register the device Waiting
- Bind the device to user ID Waiting


11:30
26
℃
Living room
Kitchen
Restaurant
Bedroom
Master bedroom
Guest room
Toilet
Balcony
+
finish

Connection Succeeded

Please set the device name and add to the room

Wi-Fi Thermostat

Cancellation instructions:

There are two ways to remove the network synchronization:

1. Delete the device directly through the APP;
2. Press and hold the switch power button for 10 seconds,when saw the "+" and "-" indicator flashed, then release the button, the device is deleted.

Note:

If continue to press and hold the button for 13 seconds and then release it, the delete operation will not be performed.

Wiring Instructions

Live Wire Output Model (output port "L1")

support two wiring methods:

1. When temperature of internal sensor is set as the control target.
2. When temperature of external sensor is set as the controil target.

times in real time.

02- Temperature Compensation Indicator ± :

Indicates temperature compensation setting in progress. Press and hold the M button to enter for 5 seconds, temperature compensation can be set from -9°C to 9°C. It will directly affect the temperature detected by the internal sensor. For example, the detected temperature is 25°C, and after setting the compensation of -5°C, the temperature displayed on the screen will change to 20°C.

03- Temperature Control Indicator :

Indicates temperature control mode is active or being configured. Short press the M button to enter the setting state and set the temperature control mode. In this mode, thermostat controls the heating device's on/off status by comparing the detected temperature against the set temperature. The adjustable temperature range is 0°C to 50°C.

This indicator has three operating states during unit operation:

Icon off ■ **:** The digital tube shows readings from the internal sensor.

Half lit icon **:** The digital tube shows readings from external sensor SN1.

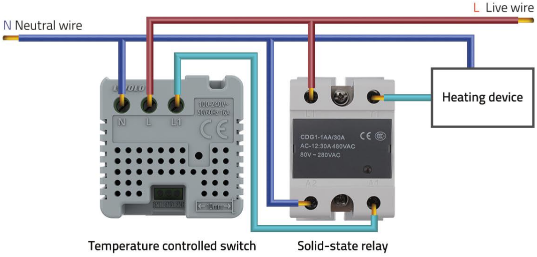
Fully lit icon **:** The digital tube shows readings from external sensor SN2.

04- Overheat Protection Indicator :

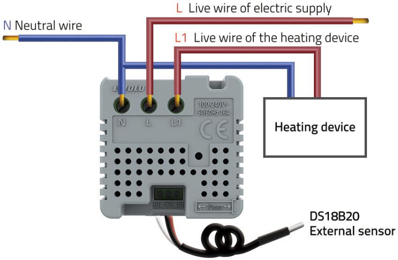
It will activate overheat protection if the external sensor reading exceeds 65°C or the internal sensor reading exceeds 40°C. The relay cuts off the power supply, and this indicator lights up. When the detected temperature of the external sensor is below 60°C and the detected temperature of the built-in sensor is below 28°C, the overheat protection is deactivated.

05- Anti-freeze Protection Indicator :

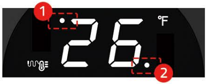
When temperature of internal sensor is set as the control target.


L Live wire
N Neutral wire
Heating device
N
L
L1
100-240V~
50/60Hz 16A
CDG1-1AA/30A
AC-12:30A 480VAC
80V ~ 280VAC
SN1 GND SN2
10mm
Temperature controlled switch
Solid-state relay

When temperature of external sensor is set as the controil target.


L Live wire of electric supply
N Neutral wire
L1 Live wire of the heating device
N
L
L1
100-240V~
50/60Hz 16A
SN1 GND SN2
10mm
Heating device
DS18B20
External sensor

It will activate anti-freeze protection when the reading of the external or internal sensor drops below 5°C. The relay switches on, and the indicator lights up. When the detected temperature of the external sensor exceeds 8°C and the detected temperature of the built-in sensor exceeds 8°C, the anti-freeze protection is deactivated.



06- 100 Degree Indicator ① :

When Fahrenheit is selected as the temperature unit, the value shown on the digital tube may exceed 100°F. Under this unit, the white dot at the upper left corner represents 100°F. As shown in the figure, the reading indicates 126°F.

07- 0.5-Degree Indicator ② :

The dot at the bottom right of the digital display represents 0.5 . As shown in the figure, the reading indicates 26.5°C.

08- Away Mode Indicator :

Away Mode Indicator: This icon appears when the thermostat enters Away Mode.

09- Child Lock Indicator :

When the child lock function permission is enabled, press and hold the + and - keys simultaneously for 5 seconds to lock or unlock the panel. When the panel is locked, the indicator lights up, and all touch buttons become inactive.

10- Sleep Mode Indicator :

This icon appears when the thermostat enters Sleep Mode.

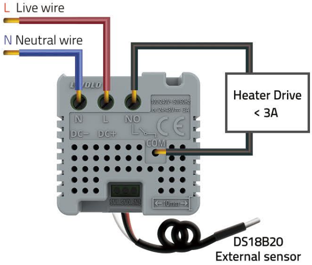
Wiring Instructions

Dry Contact Model (output port "COM"and "NO")

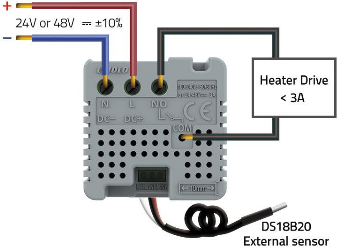
support two wiring methods:

1. Neutral and live wire power supply
2. DC power supply

Neutral and live wire power supply:


L Live wire
N Neutral wire
N
L
NO
DC−
DC+
COM
100-240V~50/60Hz
or 24-48V ⎓ 3A
Heater Drive
< 3A
SN1 GND SN2
10mm
DS18B20
External sensor

DC power supply:


+
−
24V or 48V ⎓ ±10%
N
L
NO
DC−
DC+
COM
100-240V~50/60Hz
or 24-48V ⎓ 3A
Heater Drive
< 3A
SN1 GND SN2
10mm
DS18B20
External sensor

11- Fahrenheit indicator °F :

This icon indicates the temperature unit is Fahrenheit.

12- Brightness Setting Indicator ☼ :

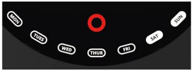
This icon indicates standby brightness is being configured. Press and hold the M button for 5 seconds, then short-press the M button to freely adjust brightness. The adjustable range is 0 to 9. The panel runs at maximum brightness during touch operations; it changes to standby brightness if no operation is performed within 15 seconds.

13- Celsius indicator ℃ :

This icon indicates the temperature unit is Celsius.

14- Fault Indicator ⊗ :

This indicator lights up when the thermostat has a hardware fault.


MON
TUES
WED
THUR
FRI
SAT
SUN

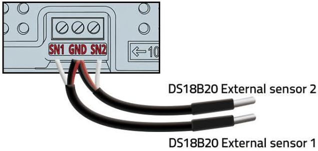
15- Weekly Timer Mode Indicator MON ~ SUN :

When timer mode is activated, these indicators light up. The seven segments correspond to Monday through Sunday respectively.

16- Relay Operation Indicator ● :

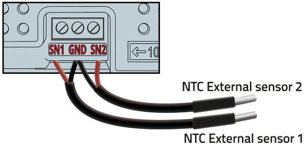
This indicator lights up when the relay is active.

DS18B20 External Sensor Wiring Instructions:


SN1 GND SN2
10
DS18B20 External sensor 2
DS18B20 External sensor 1

For each DS18B20 sensor, connect its red (VDD) and black (GND) wires to the thermostat's GND terminal, and the white DQ wire to SN1 for the first sensor. Similarly, for the second external sensor, connect its red (VDD) and black (GND) wires to the thermostat's GND terminal, and the white wire (DQ) to SN2.

NTC External Sensor Wiring Instructions:


SN1 GND SN2
10
NTC External sensor 2
NTC External sensor 1

Connect any wire of the sensor to GND and the other wire to SN1; Similarly, for the second external sensor, either wire is connected to GND, and the other wire is connected to SN2.

Precautions

When wiring the product, it needs to be wired with the live line and the neutral line, as well as the live and neutral line of the heating device. Do not connect the wrong line; do not operate with power on when wiring. When an external sensor is wired, it needs to be connected to the corresponding position, do not connect it wrongly.

Off State

Operating State

Settings Introductions

1. Short press the "M" button to set the control mode and temperature unit. The indicator will flash as the current setting option, and the "+" "-" buttons can be used to switch and choose. Short press the "M" button to cycle through the options in "Control Mode Setting" → "Temperature Unit Setting" → "Exit Setting", and enter the standby mode without any operation for 15 seconds.

2. Long press the "M" button for 5 seconds until the "+" "-" indicator flashes to set temperature compensation and screen brightness. During the setting process, the corresponding indicator flashes, and the setting is adjusted by the "+" and "-" buttons. Short press the "M" button to cycle through the options of "Temperature Compensation Setting" → "Screen Brightness Setting" → "Temperature Compensation Setting". After setting, press and hold the settings button for 5 seconds to exit the settings state. Enter the standby mode without any operation for 15 seconds.

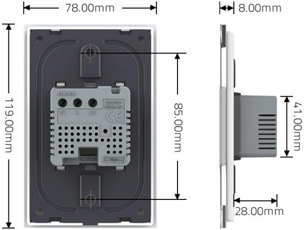
*External Sensor Type Setting: The thermostat supports connecting two external sensors simultaneously. It is compatible with both analog

Product specifications

No.	Technical index	Requirements
1	Dimension	45.1mm*45.1mm*38.5mm
2	Voltage	100-240V～ 50/60Hz
3	Temperature Accuracy Error	Normal wiring and use within the range of each index, ≤1 degree
4	Load	Live Wire Output Model: 16A Dry contact Model: 3A
5	Self Power Consumption	<0.8w
6	Life	>30,000 times
7	Flame Retardant Rating	V-0
8	Temperature and Humidity	-25 to 70 degree RH<95%

Product size description:

C9:


78.00mm
8.00mm
119.00mm
85.00mm
41.00mm
28.00mm

and digital external sensors. The sensor detection type can be changed via the APP.

Analog compatible sensor: NTC 10kΩ @25°C (3950)

Digital compatible sensor: DS18B20

*Sensor Reference Setting: You may select any single sensor's temperature via the APP as the control reference for target temperature.

*Weekly Timer Mode: Different temperature schedules can be configured for each day from Monday to Sunday in the APP, with a maximum of six timer periods per day.

*Child Lock Setting: Enable child lock via APP. When enabled, lock/unlock the panel by holding + and - together for 15 seconds.

When enable the auto-lock function via APP, the panel locks automatically if no operation is performed within 15 seconds.

Download the LIVOLO APP

Scan the QR code

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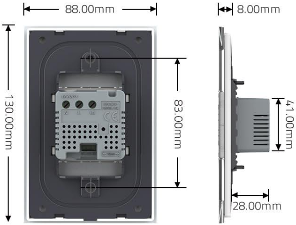
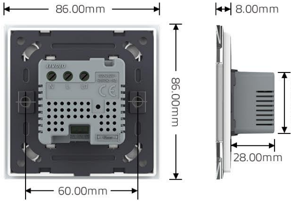
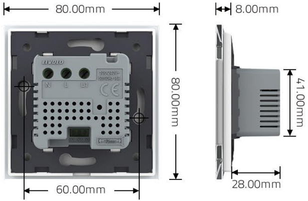
A8:


88.00mm
8.00mm
130.00mm
83.00mm
41.00mm
28.00mm

B6:


86.00mm
8.00mm
86.00mm
41.00mm
28.00mm
60.00mm

C7:


80.00mm
8.00mm
80.00mm
41.00mm
28.00mm
60.00mm