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SMART HOME

SMART CLIMATE CONTROL



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Office

1000 Square
Meters Office



R & D
Center

天安云谷

SASWELL was founded in 1998, with the goal of offering people smart home solutions, specialized in development, produce and sales smart thermostat and eTRV. Experience enhanced comfort, increased savings, and advanced control with smart thermostat with voice control. SASWELL won high reputation by virtue of fast R&D speed, short production circle, high cost-effective. We believe through energy efficiency and conservation, we can create a more sustainable world.

SIMPLE & SAVING WORK WELL

Factory

5000 Square
Meters Workshop



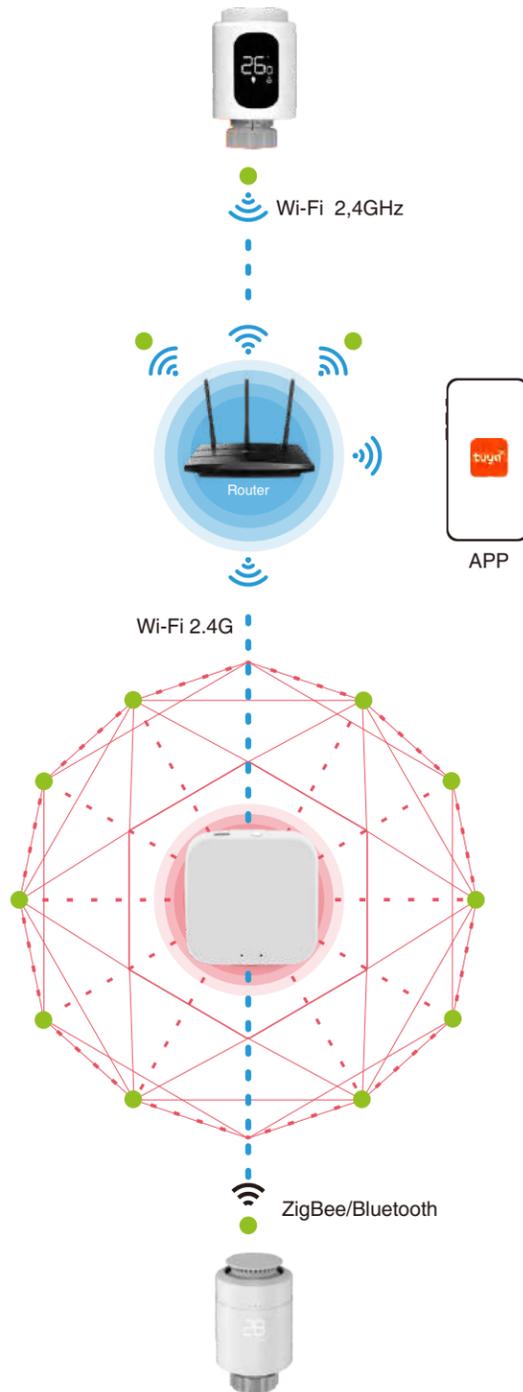
Communication technology

Wi-Fi, ZigBee, Bluetooth, RF



Wi-Fi 2.4G

- ✓ No need for an Internet gateway for Wi-Fi device to work.
- ✓ Very fast response time - common refreshing information from the cloud.
- ✓ Wi-Fi protocol is used.



ZigBee



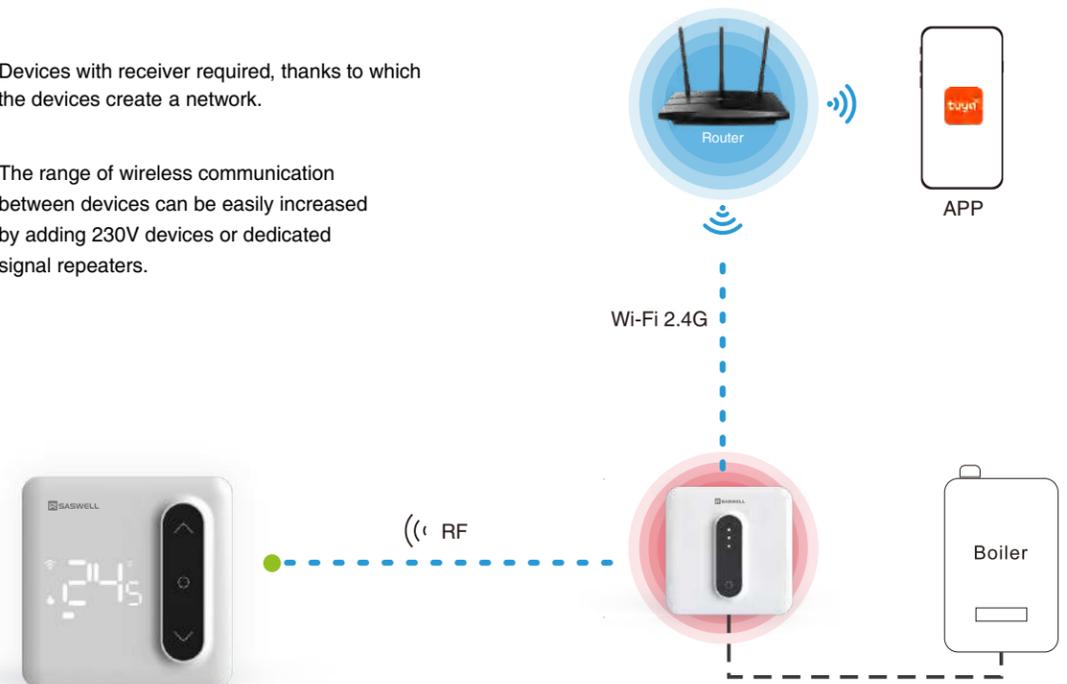
Bluetooth

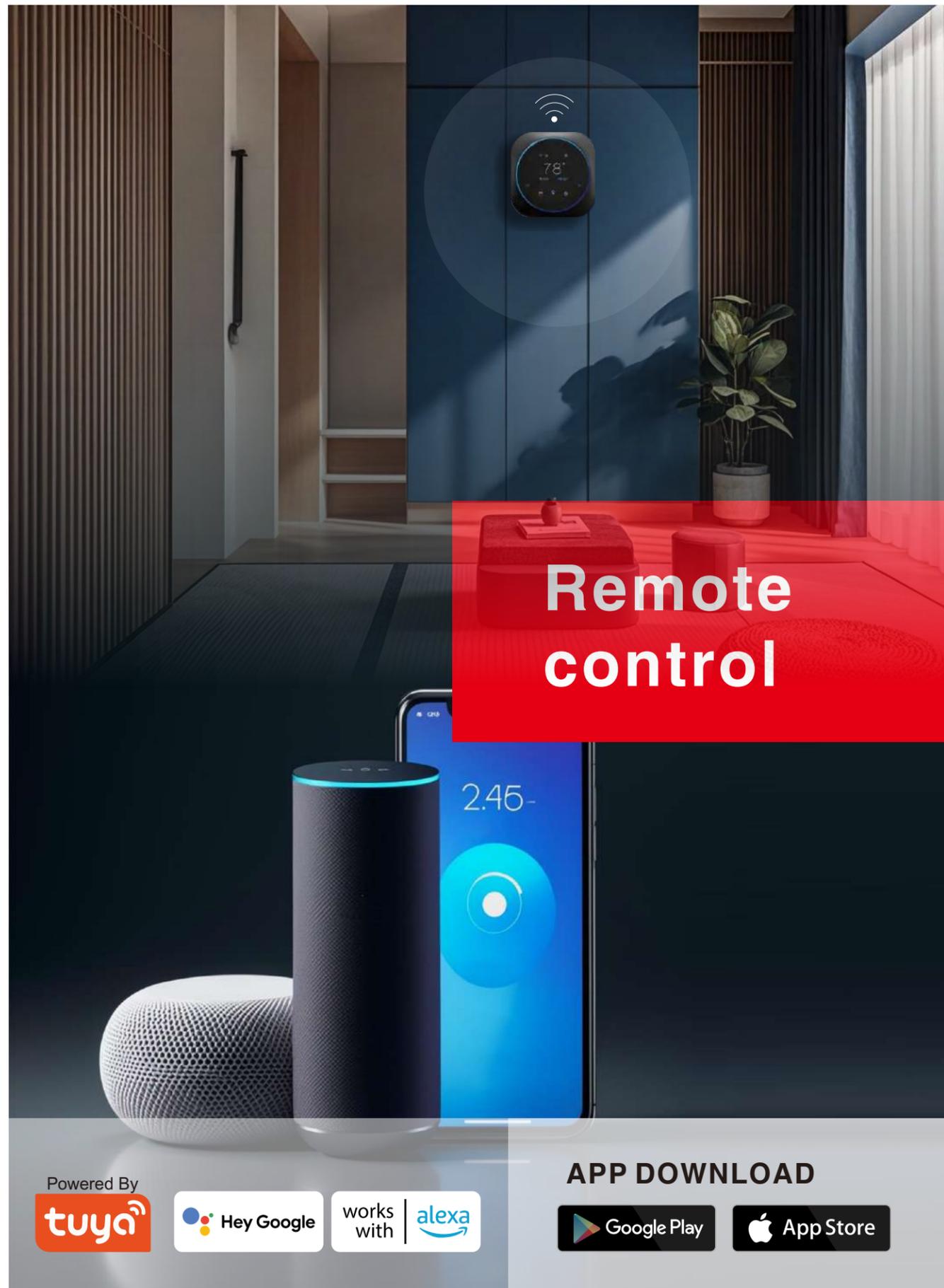
- ✓ Devices with ZigBee/bluetooth required Internet gateway, thanks to which the devices create a MESH network.
- ✓ Low power consumption allows this protocol to be used in battery-powered devices.
- ✓ The range of wireless communication between devices can be easily increased by adding 230V devices or dedicated signal repeaters.



Radio Frequency

- ✓ Devices with receiver required, thanks to which the devices create a network.
- ✓ The range of wireless communication between devices can be easily increased by adding 230V devices or dedicated signal repeaters.





Remote control

Powered By



APP DOWNLOAD



Catalog

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01-04

Thermostatic radiator valves

SEA802-Z01
SEA802-DF
SEA802-B01
SEA802-MATTER
SEA888-Z03
SEA889-WIFI

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Boiler control thermostat

T19XWHB-7-RF-APP(TY)
SAS936WHB-7-RF-APP(TY)
SAS936WHB-7-RFZ
SAS936RHB-7-Z03(RY)
SAS936RHB-7-Z03
SAS936RHB-7-ZT5

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Underfloor heating thermostat

SAS920WHL-7W-WIFI(TY)
SAS922WHL-7W-S-WIFI(TY)
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SAS931WCH-XT-WIFI(TY)
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SAS922XMTW-7S-WIFI(TY)-485

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Colorful wired controller

SAS965XK-485-WIFI(TY)

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US standard thermostat

T18XUTW-7-WIFI(TY)
T18BUTW-7-WIFI(TY)
T29UTW-7-WIFI(TY)

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Air quality monitor

T18XAIR-485-WIFI(TY)
AQC912-PCTH-485-WIFI(24V)

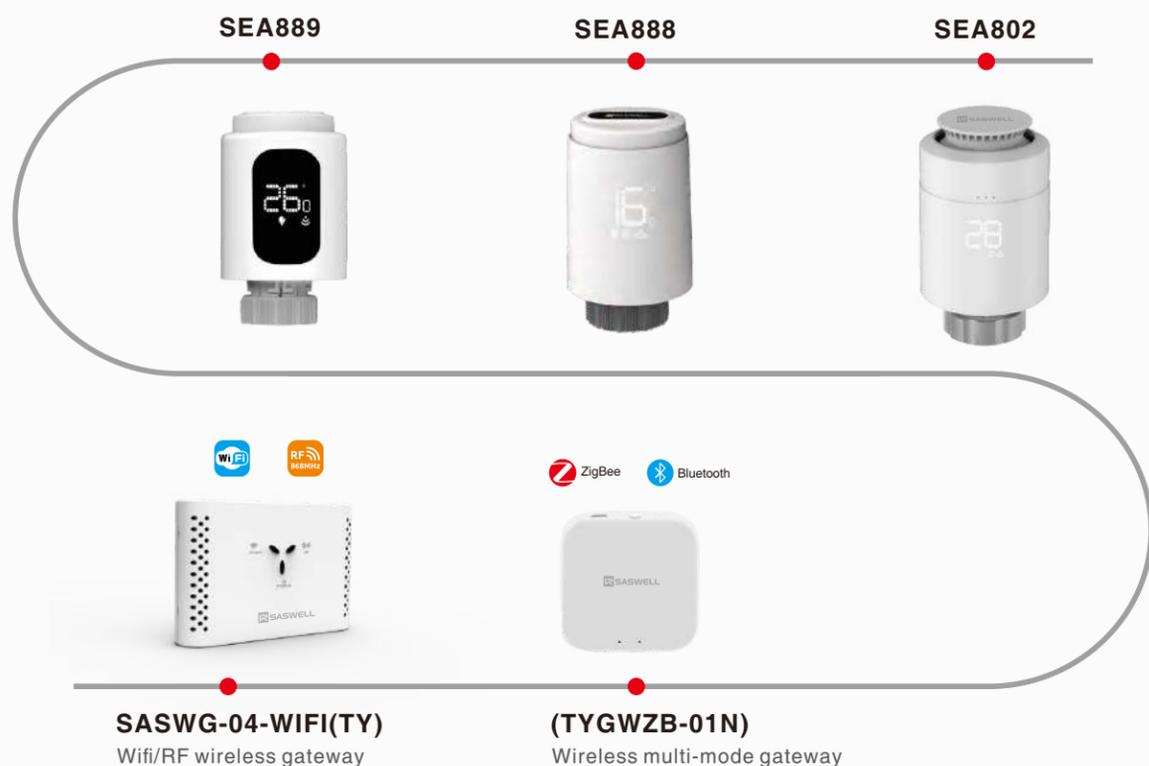
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Smart irrigation kit

SAS981XRTH-GS-Z01(TY)
SAS980SWT-7-Z01

Thermostatic Radiator Valves

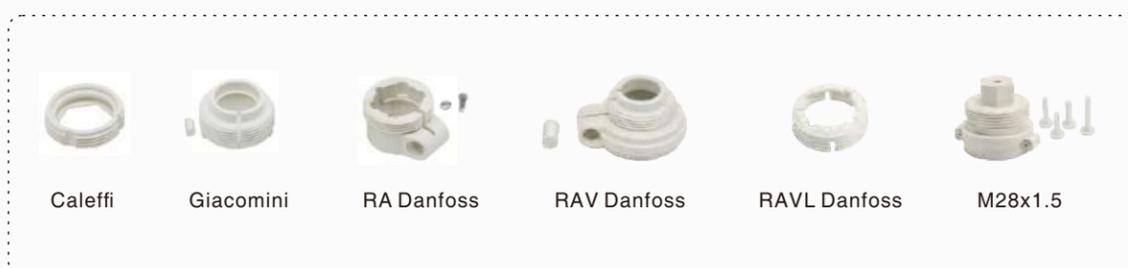




Models

Item No.	Gateway	Bluetooth	Zigbee	Wifi	Matter
SEA889-WIFI(TY)				Y	
SEA888-Z03	Y		Zigbee 2.0		
SEA802-Z01	Y		Zigbee 2.0		
SEA802-B01	Y	Y			
SEA802-DF	Y			Y	
SEA802-Z30	Y		Zigbee 3.0	Y	
SEA802-MATTER				Y	Y

Adapters



Specifications

Temperature setting range: 5°C~30°C
 Temperature setting accuracy: 0.5°C
 Temperature display range: 0°C~50°C
 Connection: M30x1.5mm
 Frequency: 2.4GHz
 Display: LED screen
 IP class: IP21
 Shipping & storage temperature: -10°C~60°C
 Installation type: installation on the radiator valves

Features

- Open window function
- APP remote control
- Anti-scale function
- Child lock function
- Anti-freezing function
- Work with amazon Alexa and Google assistant
- 7-day programmable
- Low power alarm

Boiler control thermostat



T19X+SAS2011

T19X+SAS2011

SAS936+SAS2017



Models

Item No.	RF	Zigbee	Wifi	APP
SAS936WHB-7-RFZ	Y	Y		Y
SAS936WHB-7-RF-APP(TY)	Y		Y	Y
T19XWHB-7-RF-APP(TY)	Y		Y	Y

Specifications

Transmitter

Power supply: 2x1.5V AA alkaline batteries(LR6)

Temperature display: 0~50°C

Temperature setting range: 5~35°C

Temperature display accuracy: 0.1°C

RF wireless transmit range: Open 100m in open air

Storage temperature & humidity: -10~60°C, 25~90%RH (non condensation)

Operation temperature & humidity: 0~50°C, 25~90%RH (non condensation)

Receiver

Power source: 100-240VAC 50/60Hz

Output(Relay): I_{max} 8(5)A 250VAC

RF frequency: 868MHz

RF transmission distance: 100m in open air

IP Rating: IP21



Features



APP remote control



Work with amazon Alexa and Google assistant



Low power alarm



Touch button, easy to operate



Anti-freezing function



7-day programmable



Open window function



Key lock function



Desktop or wall-mounted



Temporarily override

Specifications

SAS936WHB-7-ZT5

Power supply: 2x1.5V AA alkaline batteries(LR6)

Output(Relay): I_{max} 8(5)A 250VAC

Temperature setting range: 5~30°C

Temperature display accuracy: 0.1°C

Zigbee wireless transmit range: 30m in open air

Temperature display: 0~50°C

Battery life: 1 year

Dimensions: 100*100*19mm

Operation temperature & humidity:
0~50°C, 25~90%RH (non condensation)



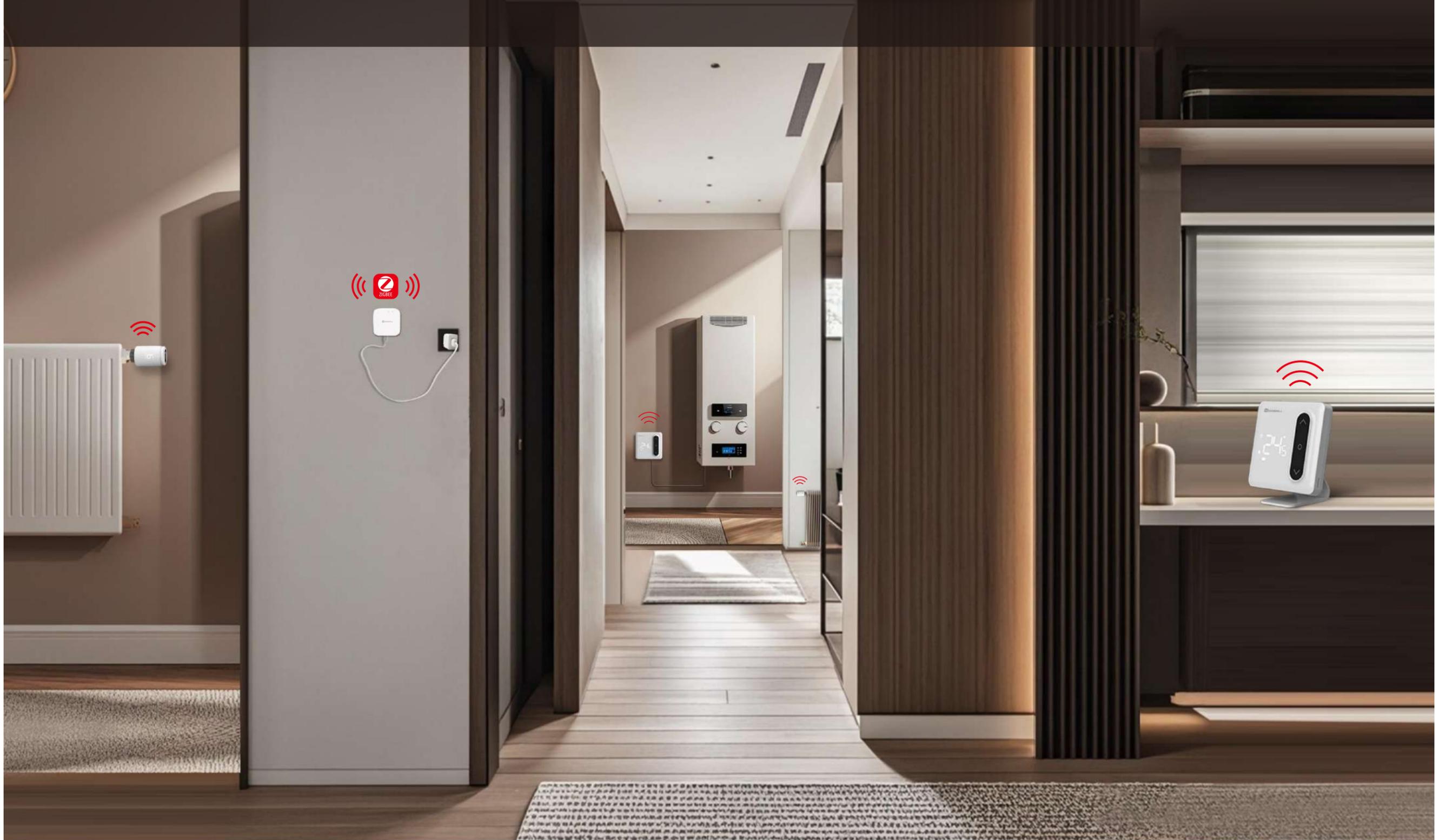
Features

- | | | |
|---|----------------------|------------------------|
| APP remote control | 7-day programmable | Touch button |
| Work with amazon Alexa and Google assistant | Open window function | Anti-freezing function |
| Low power alarm | Key lock function | Boost function |
| Optimum stop/start | Temporarily override | Geofencing function |



Group control and zone controllers effectively manage the heating system

By grouping smart radiators or thermostats in different rooms and designating one as the master device, you can monitor and adjust the temperature settings across all rooms from any device in the group. When a room requires heating, the Zone controller activates the heating system. All rooms managed by this Zone controller belong to the same heating zone.



Smart Controller Kit

• Thermostat: SAS936RHB-7-Z03

• Relay: SAS936RHB-7-Z03(RY)

• TRV: SEA888-Z03

• Gateway: TYGWZB-01N

Kit 1

Group control function

SAS936RHB-7-Z03 + SEA888-Z03 + TYGWZB-01N



Kit 2

Zone controllers manage the heating system

SAS936RHB-7-Z03(RY) + SEA888-Z03 + TYGWZB-01N



Kit 3

Group control and zone controllers effectively manage the heating system

SAS936RHB-7-Z03(RY) + SAS936RHB-7-Z03 + SEA888-Z03 + TYGWZB-01N



Underfloor heating thermostats



SAS922FHL-7-WIFI(TY)



SAS922FHL-7-WIFI(TY)



SAS965FHL-7-WIFI(TY)



SAS920XFHL-7-WIFI(TY)

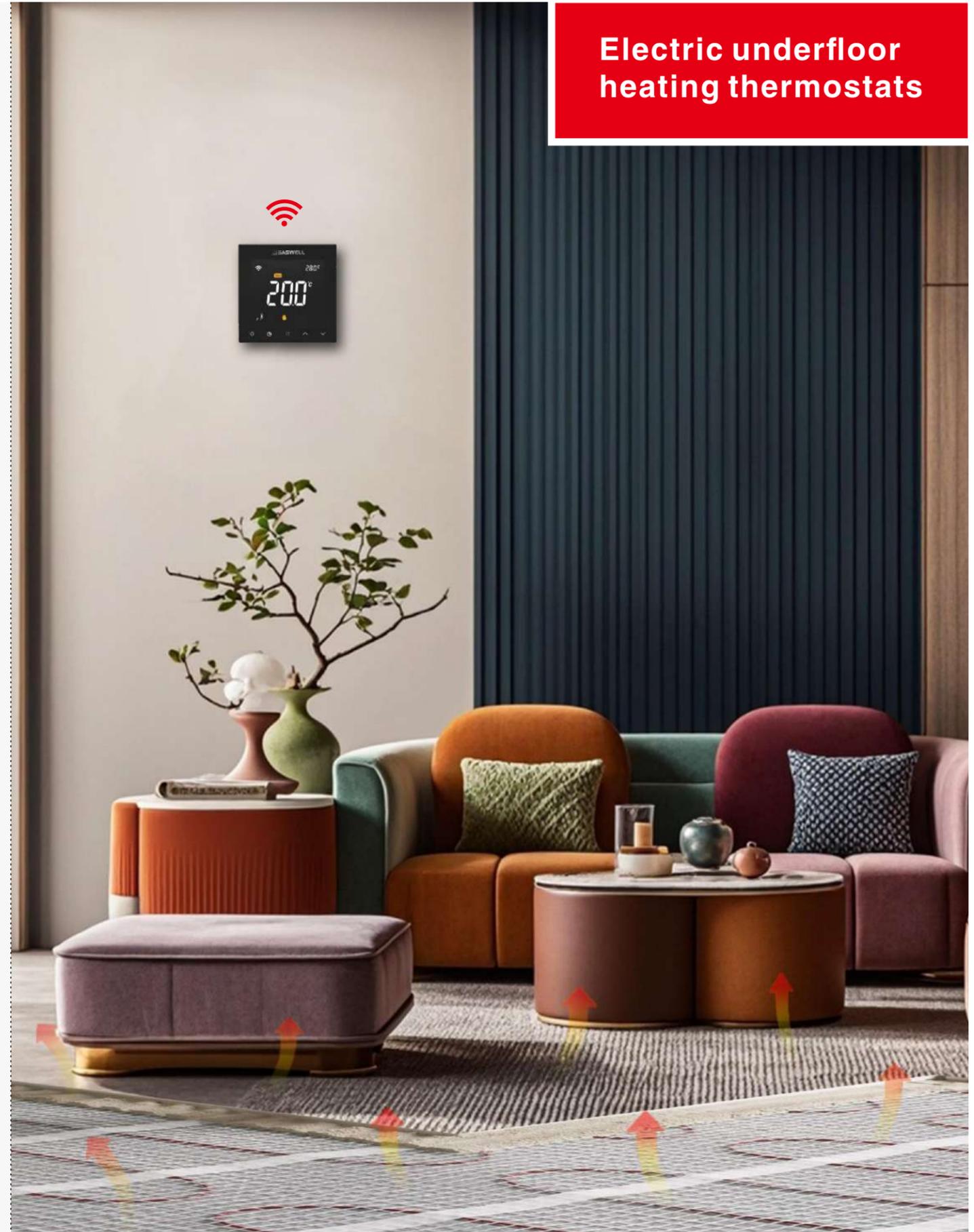
Specifications

Power source: 100-240VAC 50/60Hz
Maximum load electric current: 16A/250VAC
Room temperature setting range: 5°C to 35°C
Floor temperature setting range: 5°C to 70°C
Temperature accuracy: 0.1°C
Working environment temperature: 0°C to 50°C
The storage temperature: -10°C to 60°C

Features

- Work with amazon Alexa and Google assistant
- APP remote control
- 7-day programmable
- Sensor option
Room mode/Floor mode/ Room mode with floor limitation
- 4 inch large screen
- Anti-freezing function
- Temporarily override

Electric underfloor heating thermostats



SAS922WHL-7W-S-WIFI(TY)

SAS922WHL-7W-S-WIFI(TY)



SAS965WHL-7-WIFI(TY)

SAS920WHL-7W-WIFI(TY)

Water underfloor heating thermostats

Specifications

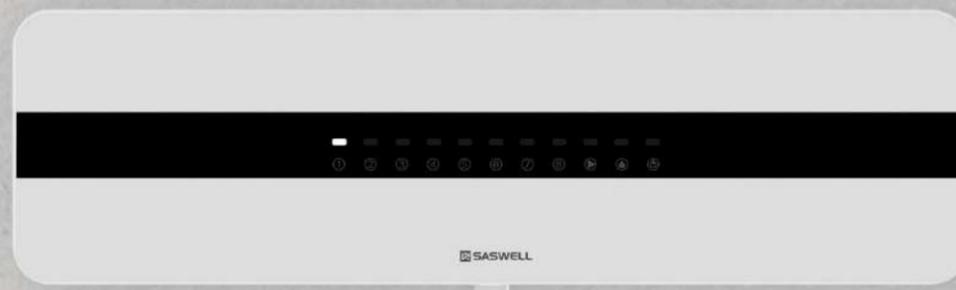
- Power source: 100-240VAC 50/60Hz
- Maximum load electric current: 3A/250VAC
- Room temperature setting range: 5°C to 35°C
- External sensor control range: 5°C to 70°C
- Temperature accuracy: 0.1°C
- Working environment temperature: 0°C to 50°C
- The storage temperature: -10°C to 60°C
- External sensor: NTC100K or NTC10K (optional)
- Dimensions: 86mm*86mm*13mm

Features

- Work with amazon Alexa and Google assistant
- APP remote control
- 7-day programmable
- Sensor option
Room mode/Floor mode/ Room mode with floor limitation
- 4 inch large screen
- Anti-freezing function
- Temporarily override



Heat Pump thermostat



Wireless UFH control kit



Wired low-voltage bus UFH control Kit

Specifications

SAS931XWCH-XT-WIFI(TY)

Wiring control centre

Power source: 100-240VAC 50/60Hz

Size: 298 X 88 X 66mm

IP rating: IP 40



Master and slave thermostat

Power supply and signal input: DC12 ~ 18V carrier non-polarity input
(power supply wiring control centre, maximum current 100mA)

Temperature display range: 0 ~ 50°C

Display accuracy: 0.1°C

Size: 86x86x13mm

WIFI antenna emission frequency(master controller): 2.4GMHz

WIFI wireless transmission distance(master controller): 60M in the open area

Working environment temperature and humidity: 0 ~ 50°C, 0 ~ 80% RH (non-condensing)

Storage environment temperature and humidity: -10 ~ 60°C, 0 ~ 90% RH (non-condensing)

Features

-  All slave thermostats will automatically be Sync with master setting
-  Thermostat is powered by 12VAC low-voltage from wiring center
-  One wiring control center can be wired with max 8 thermostats and maximum 12 loops actuators
-  Work with amazon Alexa and Google assistant

-  Cool or heat changeover can be set by Master or Heat pump
-  Easy to install, magnet adsorption automatically
-  Wifi remote control
-  7-day programmable





Specifications

SAS936XWCH-XT-WIFI(TY)

Wiring control centre

Power source: 100-240VAC 50/60Hz

Size: 298 X 88 X 66mm

IP rating: IP 40

Working environment temperature and humidity: 0 ~ 50°C, 0 ~ 80% RH (non-condensing)

Storage environment temperature and humidity: -10 ~ 60°C, 0 ~ 90% RH (non-condensing)

Master and slavethermostat

Power supply: 2x1.5V AA alkaline batteries(LR6)

Temperature display: 0~50°C

Temperature setting range: 5~35°C

Temperature display accuracy: 0.1°C

Wireless transmit range: Open 100m in open air

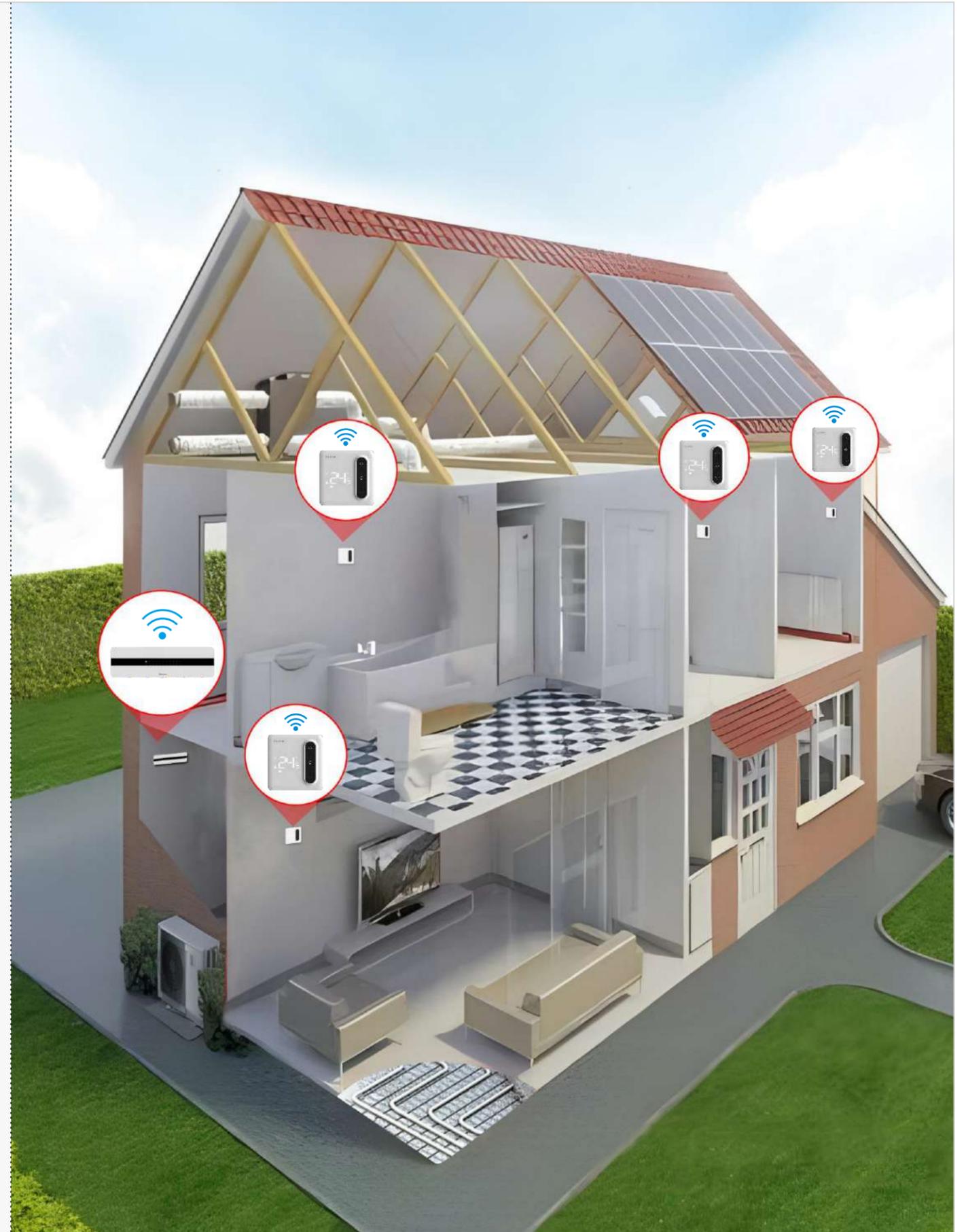
Storage temperature & humidity: -10~60°C, 25~90%RH (non condensation)

Operation temperature & humidity: 0~50°C, 25~90%RH (non condensation)

Features

-  All slave thermostats will automatically be Sync with master setting
-  Cool or heat changeover can be set by Master or Heat pump
-  One wiring control centre can be wired with max 8 thermostats and maximum 16 loops actuators.
-  Wireless or wired cascade link with wiring center

-  Work with amazon Alexa and Google assistant
-  Wifi remote control
-  7-day programmable



Fan coil unit thermostat

Specifications

SAS922XMTW-7S-WIFI(TY)-485

Power source: 100-240VAC 50/60Hz

IP Rating: IP21

Temperature setting range: 5°C~35°C

Temperature setting accuracy: 0.5°C

Temperature display range: 0~50°C

Temperature accuracy: 0.1°C

Working environment: 0-50°C, 5-95%RH

Shipping & storage temperature: -10°C ~ 60°C

Output: Fan Relay Amps 8(5)A



Features



DX and Fancoil system in 1 unit



Easy to operate with touch button



Flush mounting



Work with Alexa and Google assistant



Large screen



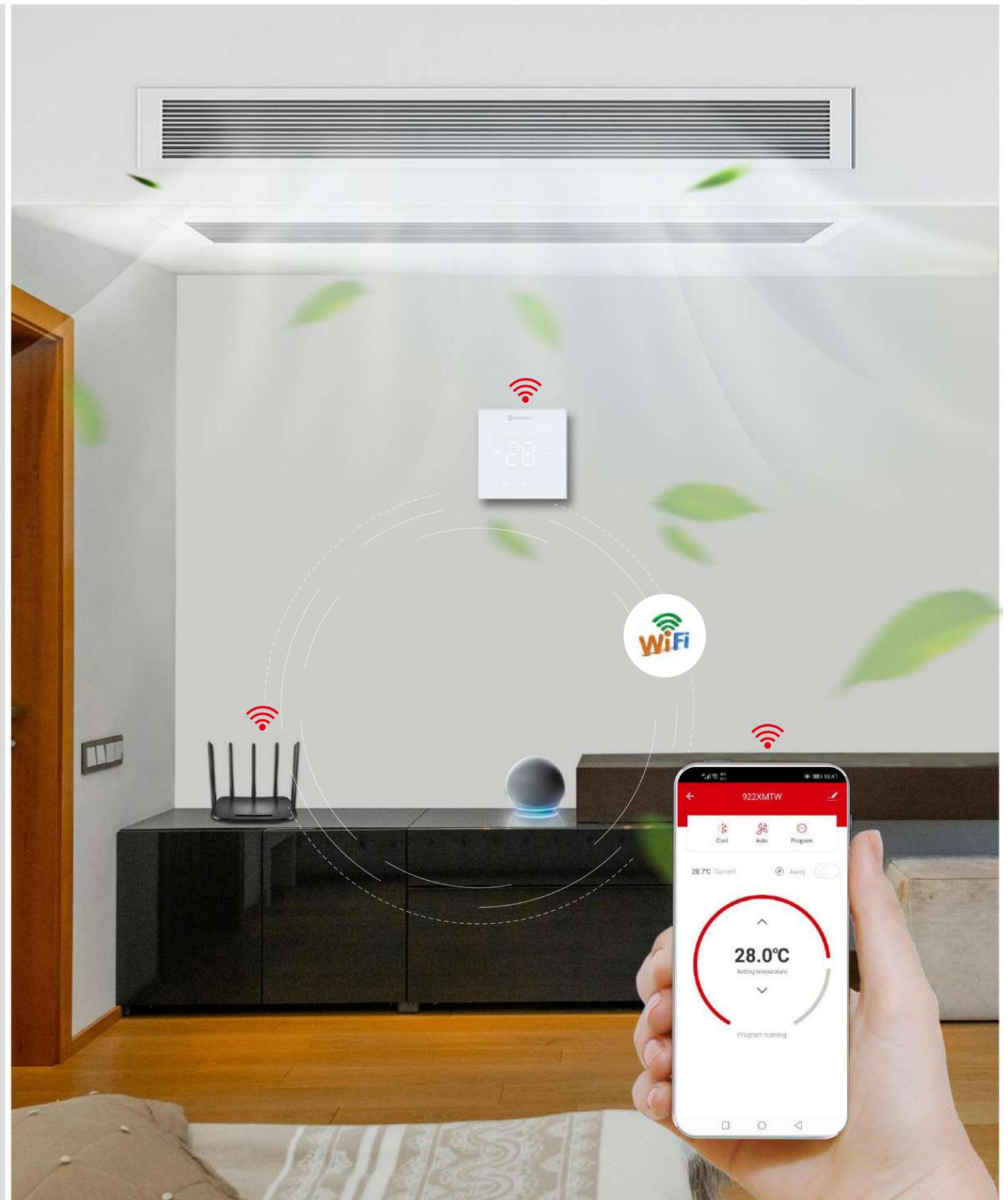
7-day programmable



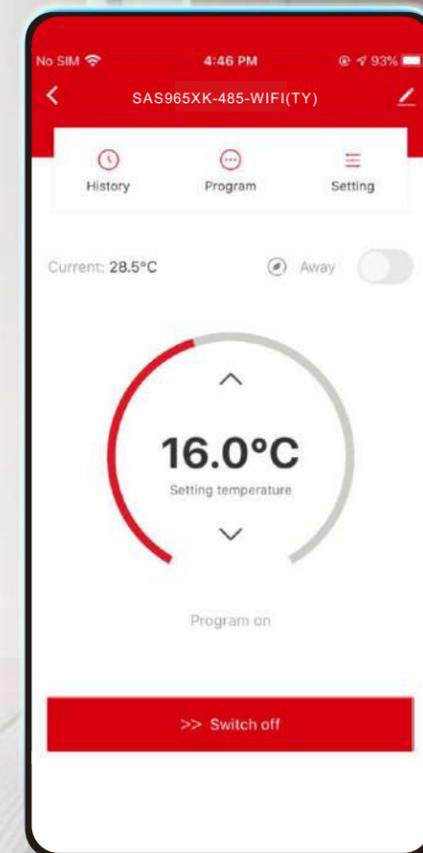
Modbus 485 protocol



WIFI remote control



Colorful Wired controller



UI Customized



Specifications



SAS965XK-485-WIFI(TY)

Power supply: 12V

Temperature & Humidity accuracy: $\pm 1^{\circ}\text{C}$, $\pm 5\% \text{RH}$

Temperature & Humidity range: $0\text{-}50^{\circ}\text{C}$, $0\text{-}99\% \text{RH}$

Wireless communication protocol: WiFi

Communication interface: RTU Modbus 485

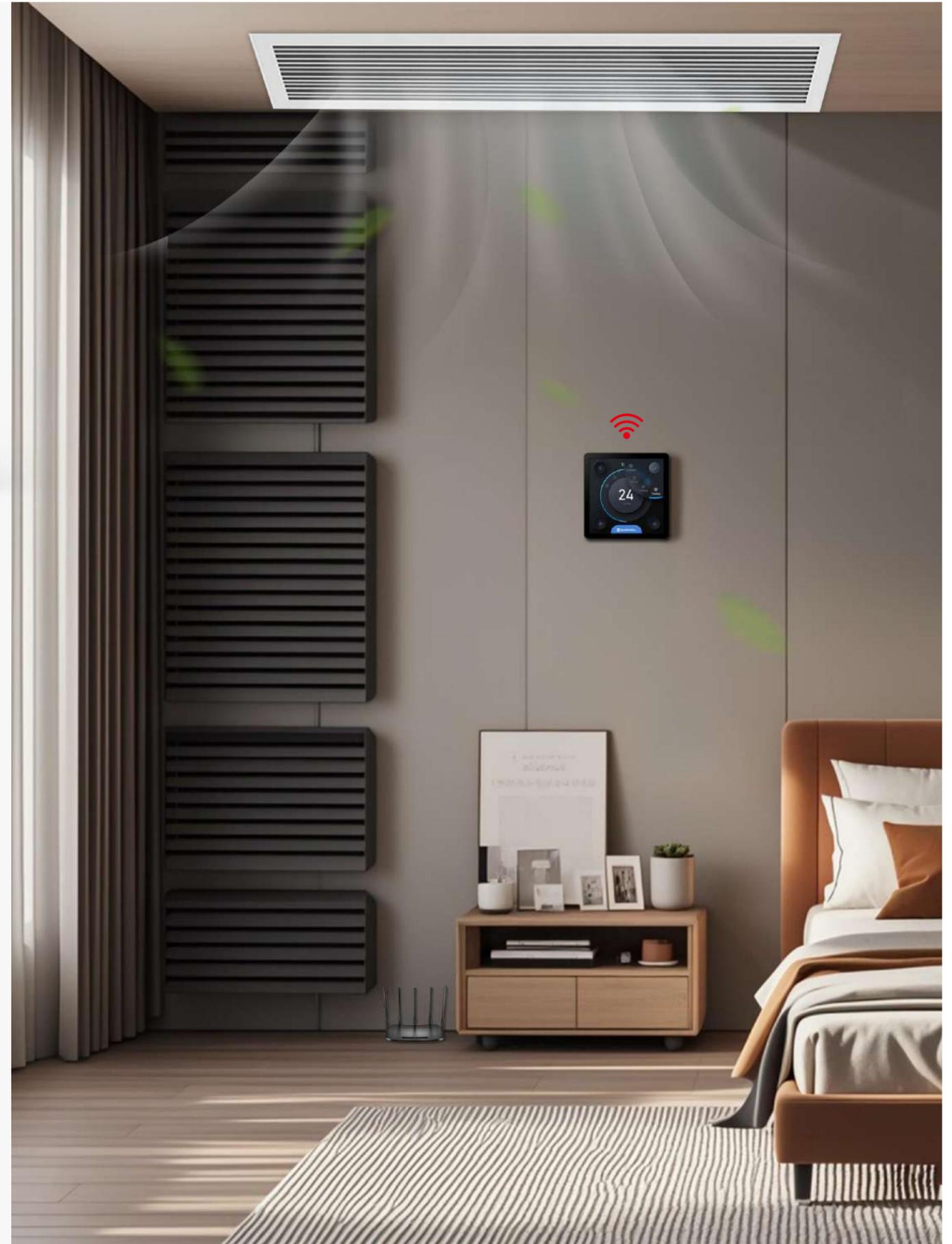
Working environment: $0\text{-}50^{\circ}\text{C}$, $5\text{-}95\% \text{RH}$

Shipping & storage temperature: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$



Features

- | | |
|---|---|
| <p>Control at home or anywhere
Support "TuyaSmart" app remote control</p> | <p>Swing
Adjust the wind direction at will</p> |
| <p>Sleep mode
Sleep timing to care for sleep</p> | <p>Fan speed option
Multiple fan speeds are optional to fit you</p> |
| <p>Defrost function
Prevent frost damage to equipment</p> | <p>Mildew-proof
Automatically dry the moisture in the evaporator of indoor unit, to avoid mildewing.</p> |
| <p>Clean function
Keep air fresh, and reduce the recession of cooling effect</p> | <p>Filter Alarm
Remind the user to clean filter to avoid prolonged cleaning and filter screen blockage</p> |
| <p>ECO function
Active ECO mode to save energy</p> | <p>Mode option
Cool/Heat/Auto/Dry/Ventilation</p> |
| <p>Timing function
Set timing switch according to your lifestyle</p> | <p>Voice control
Work with amazon Alexa and Google assistant</p> |



US standard thermostat



T18BUTW-7-WIFI(TY)



T18XUTW-7-WIFI(TY)



T29UTW-7-WIFI(TY)



Specifications

Power source: 18-30VAC 50/60Hz
 Temperature setting range: 41°F~95°F
 Temperature display range: 41°F~122°F

Operation temperature range: 32°F~122°F
 Wifi Frequency: 2.4GHz
 Shipping & storage temperature: 14°F~140°F

Features

- Pump conventional
- 7 days programming
- Wifi remote control
- Touch key for easy operating
- Green energy saving
- Work with amazon Alexa and Google assistant
- Large and color screen
- Temporarily override
- Geofencing function



Air quality monitor

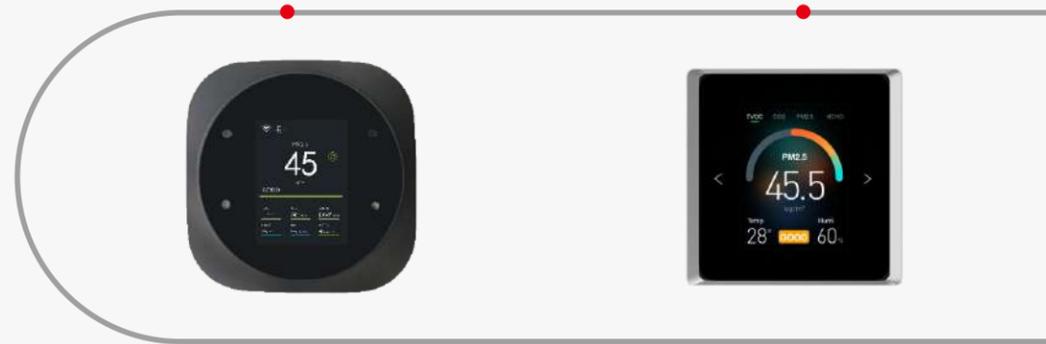
WiFi 2,4GHz

WiFi 2,4GHz



T18XAIR-485-WIFI(TY)

AQC912-PCTH-485-WIFI(24V)



Specifications

Power supply: 12~24VDC

Internal temperature and humidity: -10°C~+50°C 0%~95%RH

External temperature(NTC 100K): -10°C~+50°C

RS485 communication interface: Standard MODBUS protocol

Wireless communication: WiFi (2.4G)

Photosensitivity & human body sensing: Adjust the display brightness automatically according to the actual environment. When a person walks about 50CM into the screen, the screen wakes up automatically.

Features

Excellent/good/poor expression display

Wake up the screen automatically

APP remote control

Adjust brightness automatically

Wall-mounted easy installation

Large color display

Humidity detection

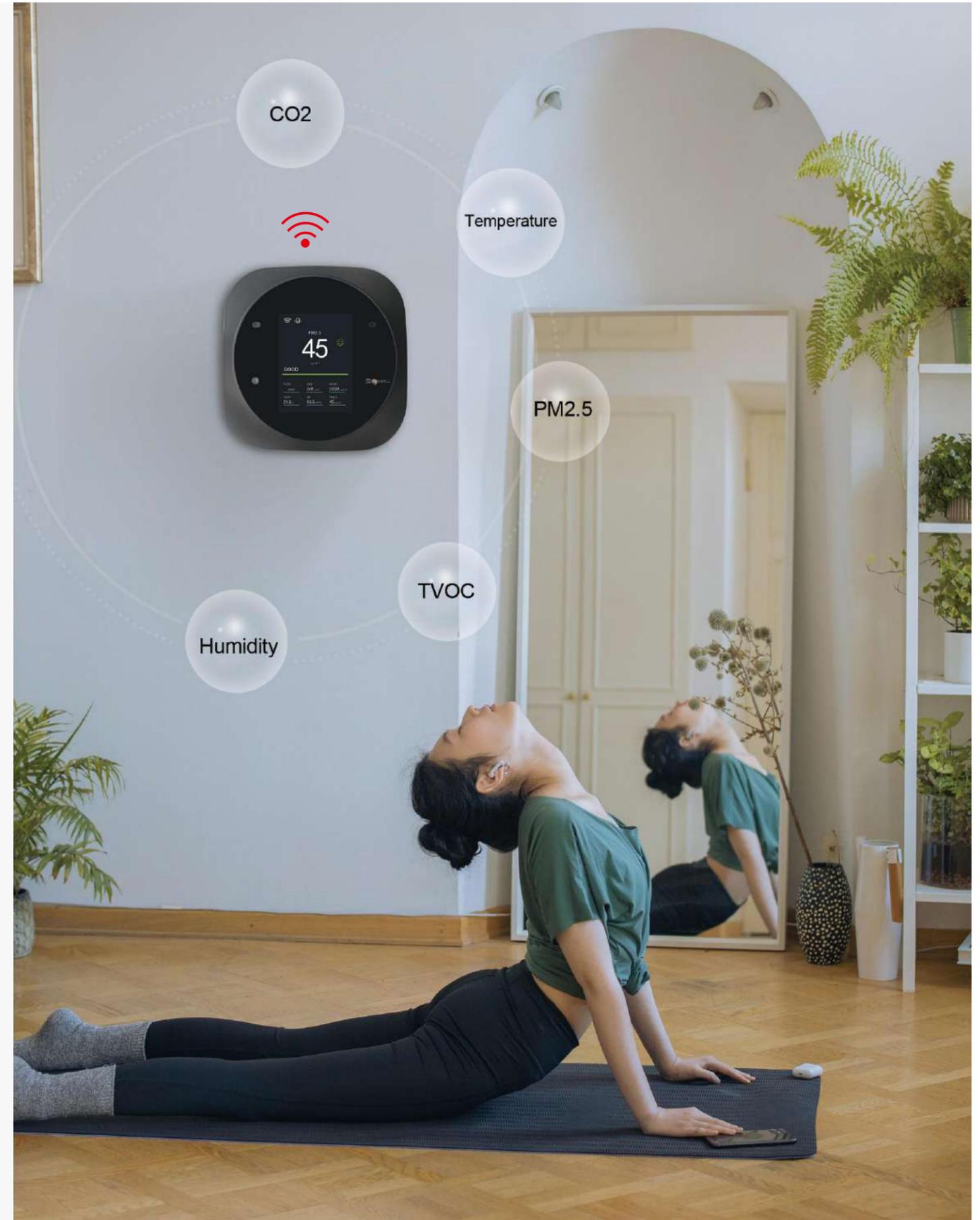
Temperature detection

TVOC detection

PM2.5 detection

CO₂ detection

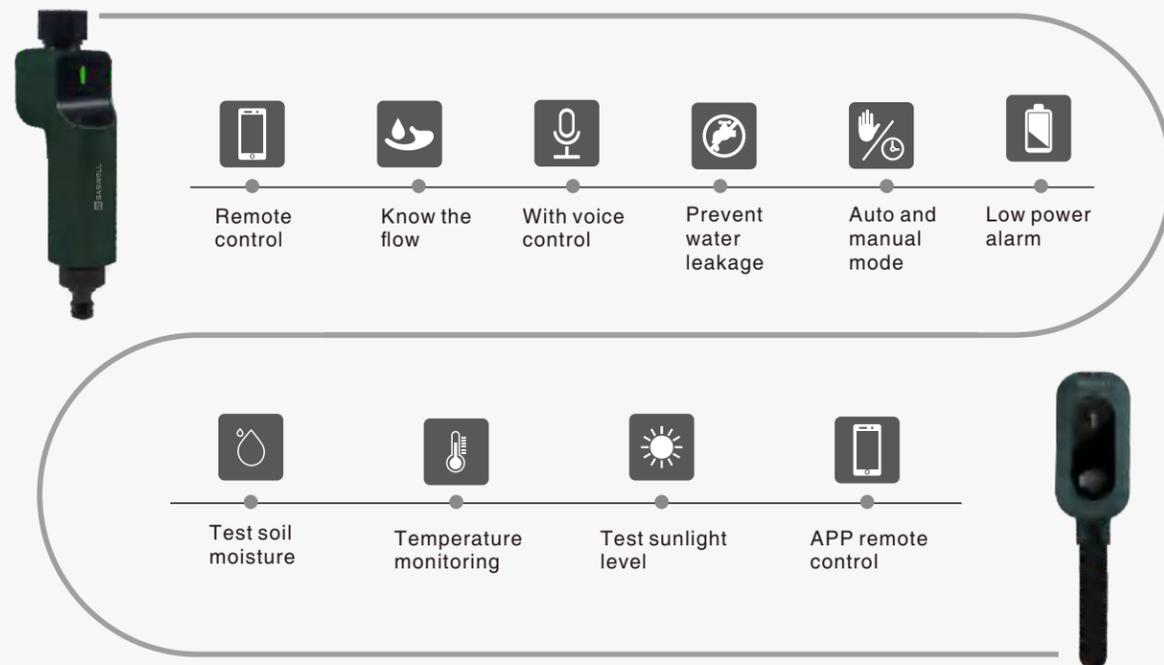
HCHO detection (Option)



The smart irrigation kit



Features



Specifications

Water timer:SAS980SWT-7-Z01

Power source: 2x1.5V AA alkaline batteries (LR6)

Solenoid valve working life: 20W times

Working temperature: 1°C~50°C

Water flow display accuracy: month/plus or minus 1 liter

Maximum water pressure range: 0.03~0.8MPA

Low voltage alarm: 2.4V alarm, 2.2V forced shutdown

Low temperature alarm:5°C

Protocol: standard Zigbee protocol/Bluetooth

Dimensions: 45mm * 83.1mm *219.4mm

Soil sensor:SAS981XRTH-GS-Z01(TY)

Power source: 2x1.5V AA alkaline batteries (LR6)

Battery life: > 1 year

Network Frequency: 2.4GHZ

Transmission distance:100 meters

Temperature measurement range:-20~85°C(-4°F~-185°F)

Temperature measurement accuracy:0.1°C

Light intensity:1-65535Lux

IP class: IP 65

Dimensions:49.9mm * 31.3mm *202.5mm

