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Intelligent Control Panels



*Healthy, Comfortable,
and High-Quality Life*



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The KNX standard is fully compliant with the HBES standard EN50090 (Residential and Building Control Systems)

Savings achievable with KNX systems for home and building control:

Blind control	40%
Climate control	50%
Lighting control	60%
Ventilation control	60%



KNX technology is developed based on the European installation bus EIB technology and is currently the only open standard in the world suitable for home and building control fields.

Through the KNX bus system, lighting, shading, blinds, security systems, energy management, heating, ventilation and air conditioning systems, signal and monitoring systems, service interfaces and building control systems, remote control, metering, and background music and large household appliances etc can be controlled.

The registered trademark KNX represents product quality and the interoperability of KNX products produced by different manufacturers.

- In 1990, the European Installation Bus Association, referred to as Bus, was established in Brussels;
- In May 1999, the three major European bus protocols EIB, BatiBus and EHSA merged to form the Konnex Association and proposed the KNX protocol.
- In 2008, the KNX China User Organization Committee was established

The KNX standard has been approved for:

- Chinese Standard (GB/T 20965)
- International Standard (SO/IEC 14543-3)
- American Standard (ANSI/ASHRAE 135)
- European standards (CENELEC EN 50090 & CEN EN 13321-1)

Company Profile



Zhuhai Sation Technology Co., Ltd. is a high-tech enterprise integrating R&D, production and sales. It is committed to realizing the concept of "healthy, comfortable and high-quality life", through KNX products, Zhuhai Sation Technology Co., Ltd. is a KNX manufacturer and smart building solution provider. Its own brand SATION has a complete software and hardware products which includes actuators, smart panels, universal interface,sensors and system components, etc., and provides professional intelligent lighting software to realize real-time monitoring and control of the building's power system, and provide stable and efficient management of the building through intelligent lighting, intelligent temperature control, intelligent shading and other intelligent systems.

Localized service system: In addition to the Zhuhai headquarters and Shenzhen manufacturing center, it currently has branches in Beijing, Shenzhen, Wuhan, and Nanjing to provide more convenient and rapid localized services to partners across the country.

As the leading brand in China's KNX industry, SATION is the first domestic KNX core protocol stack manufacturer with completely independent intellectual property rights. It owns more than 30 various software copyrights and patented intellectual property rights. It is a member of KNX manufacturer and the expert group of the China KNX association member, national dual-software certification enterprise, national high-tech enterprise, AAA credit enterprise, member of Shenzhen Construction Electrical and Intelligent Technology Association, member of Wuhan Construction Association Intelligent Building Branch, and SATION has ISO9001/ISO14000 quality management system certification, KNX international member certification, KNX certification, CE certification and national CQC certification.

With excellent product quality and good customer reputation, SATION has completed acceptance of more than 2,000 projects in China, including Guangzhou Vanke Cloud, Zhuhai Haiyun Plaza, Zhuhai General Airport, Zhuhai Tsinghua Science and Technology Park, Beijing-Shenyang High-speed Railway, and Shaanxi Grand Theater , Hengqin Port, Zhengzhou Metro, Shandong University, Qingdao Guoxin Financial Center, Xi'an Qinhan Hospital, Gezhouba InterContinental Hotel, Chongqing Nanchuan Yuejing Hotel, etc.

2000+

Projects

30+ 项

Software copyright,
patent intellectual property

KNX international member

KNX Chinese member

National dual-software
certification enterprise

AAA credit enterprise

SZBEIA member

National high-tech enterprise

WHCIA member

SATION has always been committed to introducing KNX products into thousands of households and localizing KNX products, so that KNX products can be more widely used in the field of smart buildings.

Our solutions include:

Intelligent energy solutions for public buildings

Smart community solutions

Smart hotel solutions

Industry customized solutions

SATION smart panel

Integrated control solutions

Quality of life depends on how we interact with our environment, and nowhere is this more important than at home.

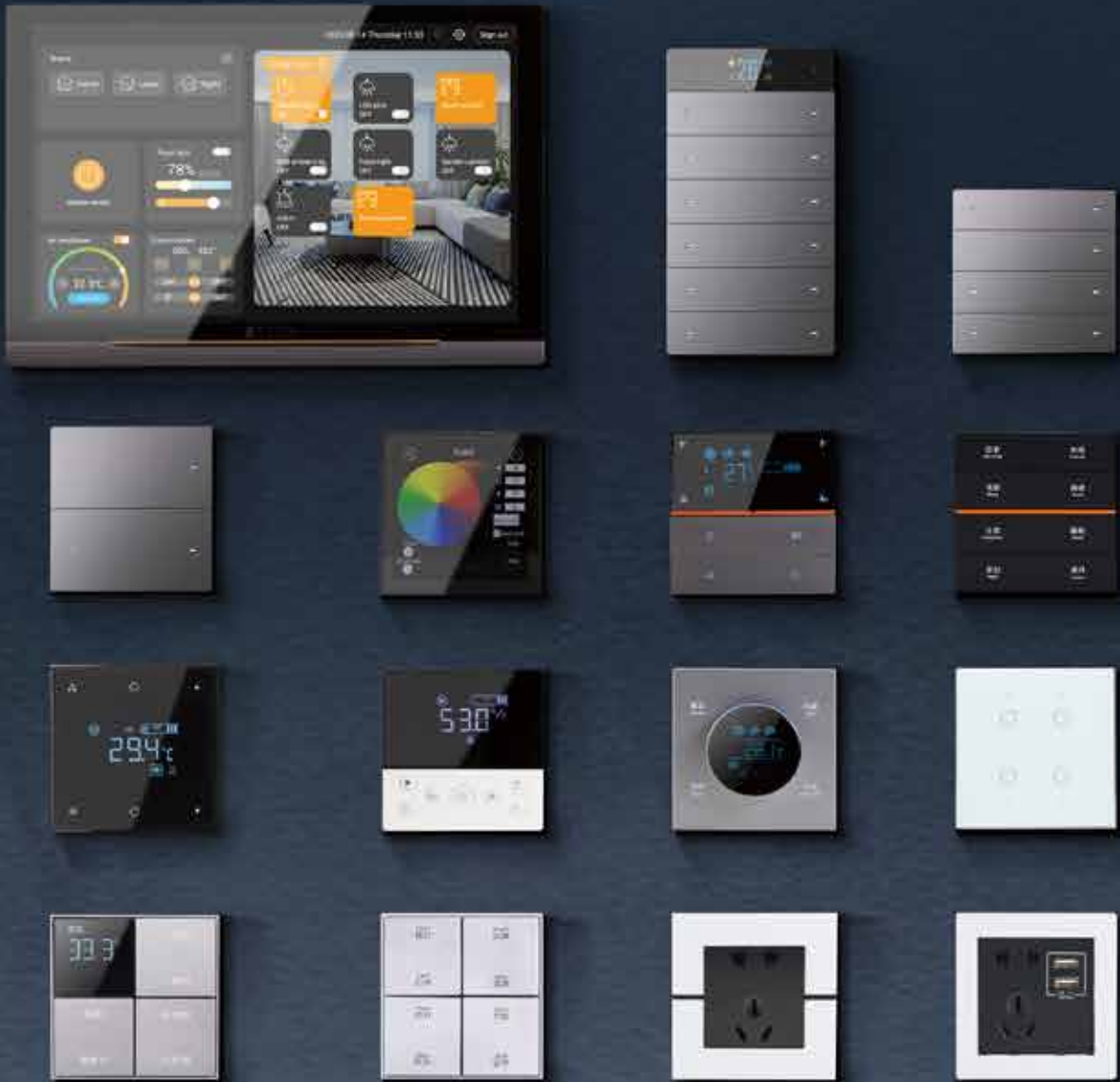
To give you a control solution that truly improves your lifestyle, SATION has created a unique range of custom building control interfaces.

Our extensive and easy-to-use range of smart panels feature premium materials, award-winning design and cutting-edge technology.

This ensures our smart panels are perfectly suitable for any building, regardless of its age, style, location or use. From touch screen to classic switches and key controllers, SATION KNX systems provide unparalleled command and control. Our modern networked home solutions are based on the full KNX standard and are therefore absolutely future-proof.

A variety of smart panels with customizable patterns, designs and textures. Our product range brings you the interiors and interfaces they deserve. SATION panels give you unprecedented comprehensive control over lighting, heating and ventilation, air conditioning, shading, background music, appliances, security and scenes, while improving your comfort and energy efficiency.

In SATION, we are able to control a wide variety of buildings, just like the people who live in them.



Customizable, most modern, compatible.

Designing the perfect automation solution is as simple as selecting the panels you want, deciding what you want to automate, and then install the system.

From the living room to the bedroom, from the hallway to the bathroom, kitchen, and garage, SATION provides the perfect solution for you and your family.

Choose from our wide range of sensors and switches to bring greater comfort, convenience and security to all your living spaces.

Want to add a personal touch to your SATION panel? Through the SATION tailor-made process, any panel can be fully customized.

Just let us know the patterns, icons, color designs you want and we will create a personalized control solution for you



Customizable laser engraving



Customizable panel materials



Customizable pattern color printing



10 inch Touch Screen

10 inch Touch Screen is a 10.1-inch multi-function capacitive touch screen developed by SATION. It is mainly used in home and building automation control fields that comply with KNX standards.

Developed based on the Android operating system platform, it monitors and operates other KNX devices through the KNX bus, and uses SKC APP for smart home and building automation control.

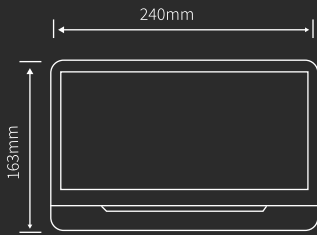


Product parameters:

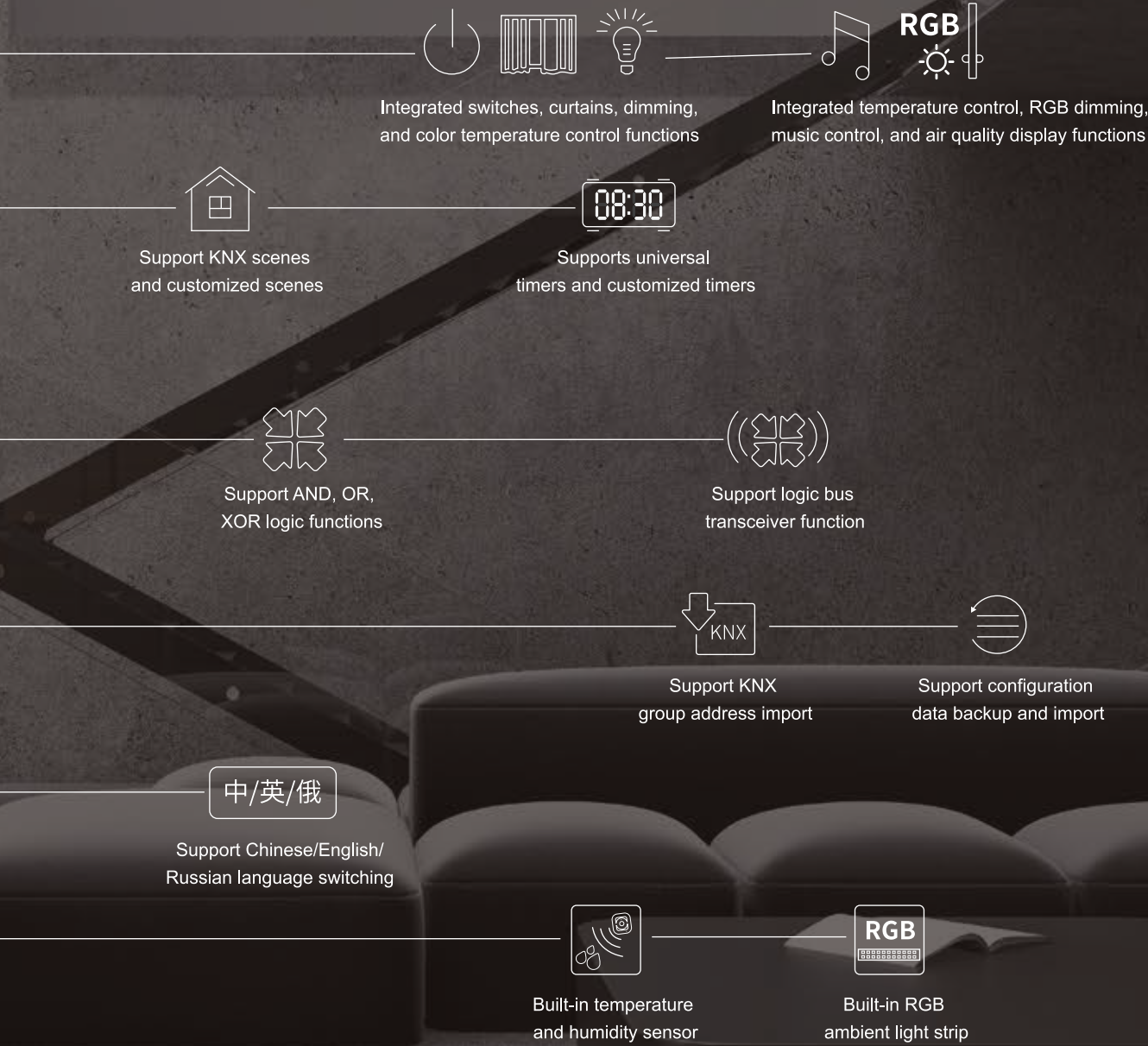
- KNX voltage: 30 VDC
- KNX current: < 10mA
- Auxiliary power supply: 12 ~ 30VDC
- Network connection: wired, WIFI
- Outer frame button material: aluminum alloy, silver, brown gray

注本: 产品内部没有电池, 停电后不能继续使用

Product Dimension:



Features:



Functions:



switch control



curtain control



dimming control



Scene/custom scene



Color temperature control



air conditioner

英文



Fresh air control



Floor heating



HVAC



music control



Air quality display



RGB/RGBW dimming



XY coordinate dimming



Timer/custom timer



Logic bus transceiver



receiving display device

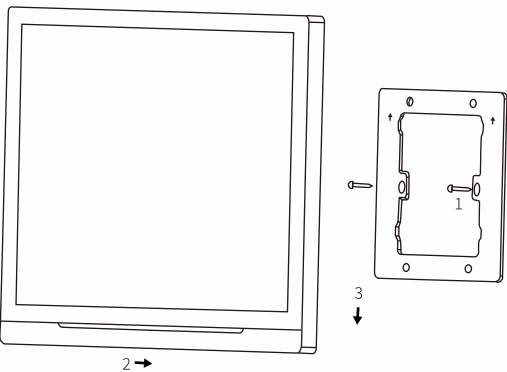


Send control device



alarm equipment

Installation diagram:



Installation process:

1. Use screws to fix the mounting bracket to the 86 bottom box
2. Align the touch screen with the installation clip and attach it to the mounting bracket, and hold it with magnets.
3. Pull the touch screen down, the mounting bracket and the rear shell are stuck through the clips, and the installation is completed

Disassembly process:

1. Lift the touch screen up, and remove the mounting bracket and rear shell from their position.
2. Use a force greater than the suction force of the magnet to take it out.

interface:



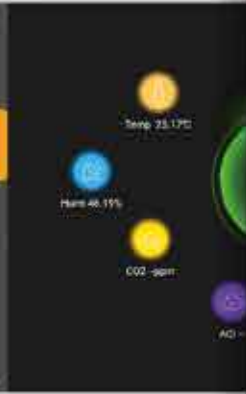
Curtain control interface



Floor heating control interface



Air conditioning control interface



air quality control interface



Fresh air control interface



Lighting control interface



86屏

86 Touch Screen

86 Touch Screen, integrated design, and is easy to install. Adopt 720*720 high resolution, capacitive touch TFT LCD display. The main interface adopts mobile phone style design, which is small and flexible, easy to operate and rich in application scenarios. The product supports up to 5 pages and 54 control icons, it is your ideal choice for home, hotel, enterprise, or shopping mall.



Features:

- Integrated 30 button control functions
- Integrated 4 sets of temperature control, RGB dimming, music control, and air quality display functions
- Built-in temperature and humidity sensor, illumination sensor and proximity sensor
- Supports 8 universal timers and 8 customized timers
- Supports 16 AND, OR, XOR logic functions
- Support Chinese and English language switching
- Support U disk upgrade to customize background images
- Supports local upgrade of firmware via USB flash drive

Product parameters:

- KNX voltage: 30 VDC
- KNX current: < 10mA
- Auxiliary power supply: 12 ~ 30VDC
- Material: Magnesium aluminum alloy
- Process: Anodizing Sandblasting

Available colour:

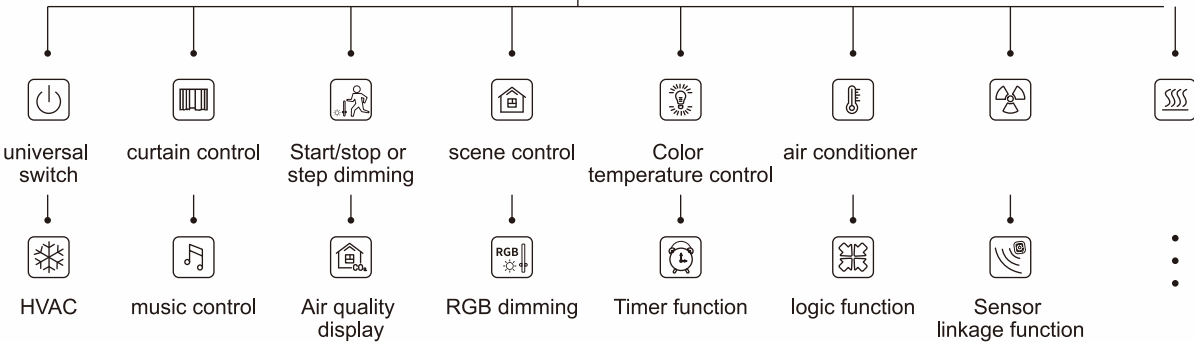
- silver
- gold
- dark gray

Switch page

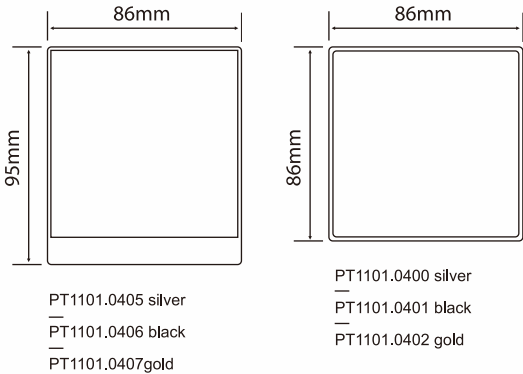
Swipe left or right to switch pages. The first page supports up to 6 controls, the second page supports up to 12 controls, and supports up to 5 page switching. Control configuration and type are configured through the ETS database



Functions:

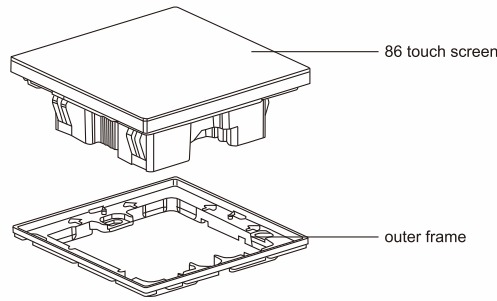


Dimension:



Installation diagram:

The outer frame is installed on the 86 cassette, and then the 86 touch screen is buckled on the outer frame. The installation diagram is as shown below.



EX Series

The EX series panels have a variety of options: 4-button, 6-button, 8-button panels and multi-functional thermostat, supporting simultaneous control of air conditioning and floor heating, with scene buttons, and support offline voice function. The frameless design has a simple visual aesthetic.



Features:

- User-defined button graphic text
- RGBW color status indication
- Combination button programming does not require disassembly
- Built-in temperature sensor in thermostat
- Offline voice function in option

Product parameters:

- KNX voltage: 30 VDC
- KNX current: < 10mA
- Auxiliary power supply: 12 ~ 30VDC
- Material: Magnesium aluminum alloy
- Process: Anodizing sandblasting, laser engraving

Available colour:

- silver
- gold
- gray



Gesture Recognition

This panel has a built-in advanced "gesture recognition" chip that supports waving up, down, left, and right hands, making the control method elegant and convenient.

It is recommended to be used at the bedside in the bedroom. You can turn on the lights by waving your hand close to the panel. When you get up at night, you don't have to look for the button. You can activate the "waking up" lighting scene by waving your hand.



Voice support

The panel supports advanced "voice button" technology, which triggers button functions and various controls through voice.

Equipped with advanced offline voice technology and excellent far-field recognition capabilities, it is the best way to operate non-contact without the need for smart speakers in each room

Open the curtains



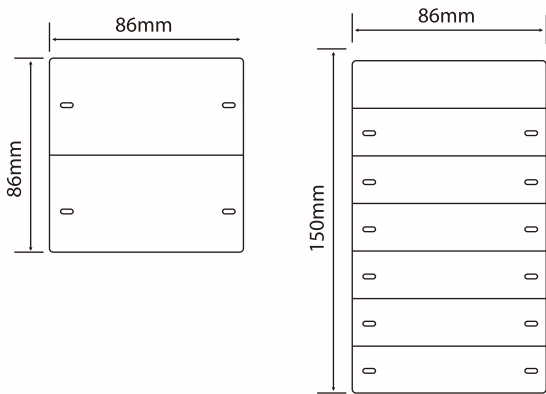
4 button panel

Functions:

Button panel

- universal switch
- curtain control
- Start/stop or step dimming
- scene control
- Logical AND or key blocking
- LED status indication
- Offline voice

Dimension:

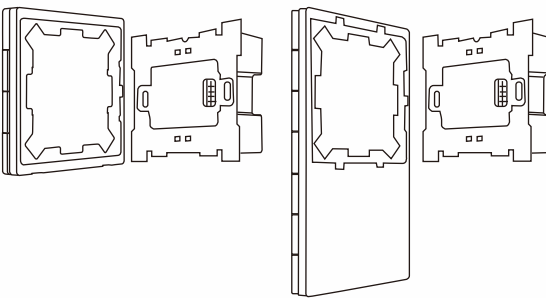


8 button panel

User-defined button graphic text



Installation diagram:

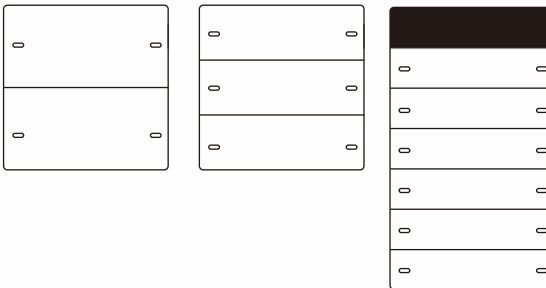


Multifunctional Thermostat

Thermostat

- air conditioning control
- Floor heating control
- Offline voice
- Thermostatic function

row combination:



ED Series

ED series panels have a variety of options: 4 fold, 8 fold panels, with frame or frameless, square flat keys, and a comfortable feel. Three-in-one thermostat, one-piece black design, capacitive touch buttons, simple and beautiful style

Features:

- User-defined button graphic text
- Built-in proximity sensing
- Built-in vibration feedback
- Led backlight plus side two-color indication
- Combination button programming mode
- Thermostat built-in temperature and humidity sensor



Three-in-one Thermostat



8 button panel



Socket panel



Socket with USB charger

Parameters:

- KNX voltage: 30 VDC
- KNX current: < 10mA
- Auxiliary power supply: 12 ~ 30VDC
- Outer frame button material: aluminum alloy
- Process: Anodizing, Sandblasting

Available colour:

- polar silver
- Titanium black
- Ceramic white
- Champagne gold
- Mica black
- Gem gray
- Rose red



Natural and comfortable button feedback
Can be pressed at least 100,000 times

User-defined button graphic text



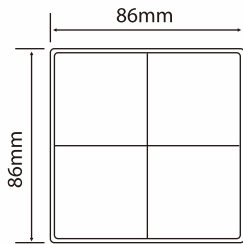
Functions:



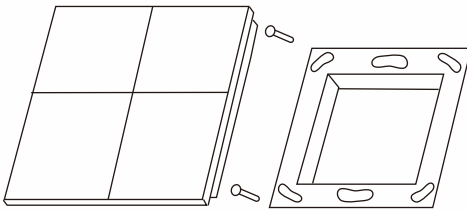
8 button panel

- universal switch
- curtain control
- Start/stop or step dimming
- scene control
- Logical AND or key blocking
- LED status indication

Dimensions :



Installation diagram:



Three-in-one Thermostat

- air conditioning control
- Floor heating control
- Fresh air control
- Thermostatic function
- Key lock function

Free combination of functions:

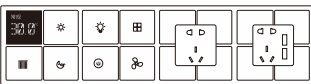
The basic form of Smart PLUS series is the national standard button panel or socket panel. You can use just one panel if it meets your needs. Or you can combine multiple basic panels together and use them in one area to achieve multiple control functions.

Horizontal installation



2 Gangs

3 Gangs



4 Gangs



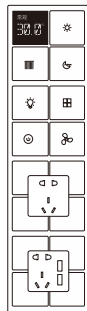
Vertical installation



2 Gangs



3 Gangs



4 Gangs



ER series

ER series panels have a variety of options: 2fold, 4 fold, 8 fold panels, frameless design, can be installed horizontally and vertically, adapting to different decoration styles. Three-in-one thermostat supports simultaneous control of air conditioning, floor heating, and fresh air. It has scene buttons and is simple and beautiful in style.



2 button panel



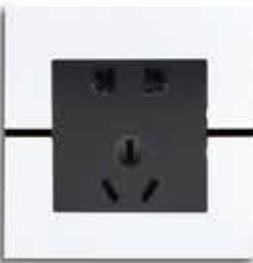
4 button panel



8 button panel



Three-in-one thermostat



socket panel



Socket with USB charger

Features:

- User-defined button graphic text
- Built-in proximity sensing
- LED backlight indication
- Combination button programming mode
- Thermostat built-in temperature and humidity sensor
- Optional offline voice function
- Optional built-in 4 fold 10A switch actuator

Parameters:

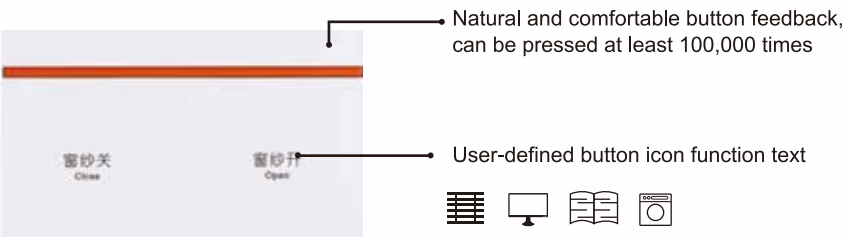
- KNX voltage: 30 VDC
- KNX current: < 10mA
- Auxiliary power supply: 12 ~ 30VDC
- proximity sensing distance: 30cm
- Process: anodizing, oil injection

Available colour:



Distributed panel features:

- The wiring is simpler
- and the cost is lower than the traditional KNX solution.
- and does not occupy the space of the electrical box.



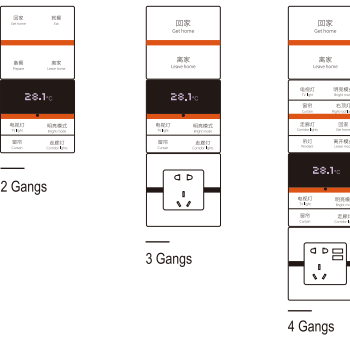
Free combination of functions

The basic form of Smart PLUS series is the national standard button panel or socket panel. You can use just one panel if it meets your needs. Or you can combine multiple basic panels together and use them in one area to achieve multiple control functions.

Horizontal installation



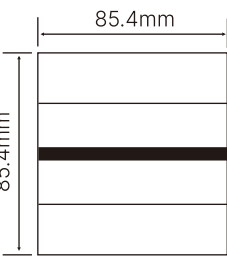
Vertical installation



Functions:

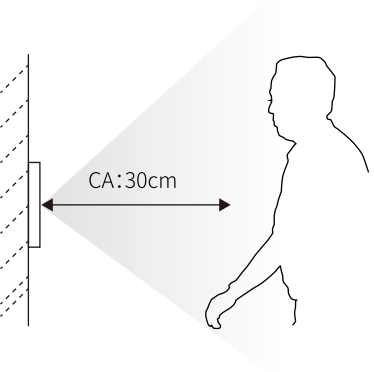
- | | |
|-----------------------------|--------------------------|
| Button panel: | Thermostat: |
| universal switch | air conditioning control |
| curtain control | Floor heating control |
| Start/stop or step dimming | Fresh air control |
| scene control | Scene button |
| Logical AND or key blocking | |
| LED status indication | |

Dimensions:

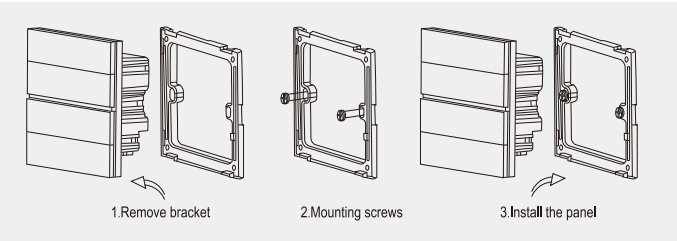


Proximity sensor function:

The distance of human body movement sensing is about 30cm. After effective sensing, the indicator light on the panel shows the status before it goes out, and the indicator light on the panel automatically goes out after 30 seconds. While effectively sensing, the panel sends data to the KNX bus, and customers can configure parameters to meet the required applications.



Installation diagram:



EZ series

EZ series panels have a variety of options: 2fold, 4 fold, 6 fold, and 8 fold panels. The frameless design has a simple visual aesthetic. It can be installed horizontally and vertically to adapt to different decoration styles. Three-in-one knob temperature control panel supports simultaneous control of air conditioning, floor heating, and fresh air, with a simple and beautiful style



4 button panel



Features:

- User-defined button graphic text
- Built-in proximity sensing
- LED backlight indication
- Combination button programming mode
- Thermostat built-in temperature and humidity sensor
- Optional offline voice function

Distributed panel features:

- The wiring is simpler
- and the cost is lower than the traditional KNX solution.
- and does not occupy the space of the electrical box.

Parameters:

- KNX voltage: 30 VDC
- KNX current: < 10mA
- Auxiliary power supply: 12 ~ 30VDC
- proximity sensing distance: 30cm
- button material: aluminum alloy
- Process: Anodizing, Sandblasting

Available colour:

- White
- Matt black
- blue gray
- silver
- Red
- dark gray



2 button panel



8 button panel

- universal switch
- scene control
- curtain control
- Logical AND or key blocking
- Start/stop or step dimming
- LED status indication



Three-in-one knob thermostat

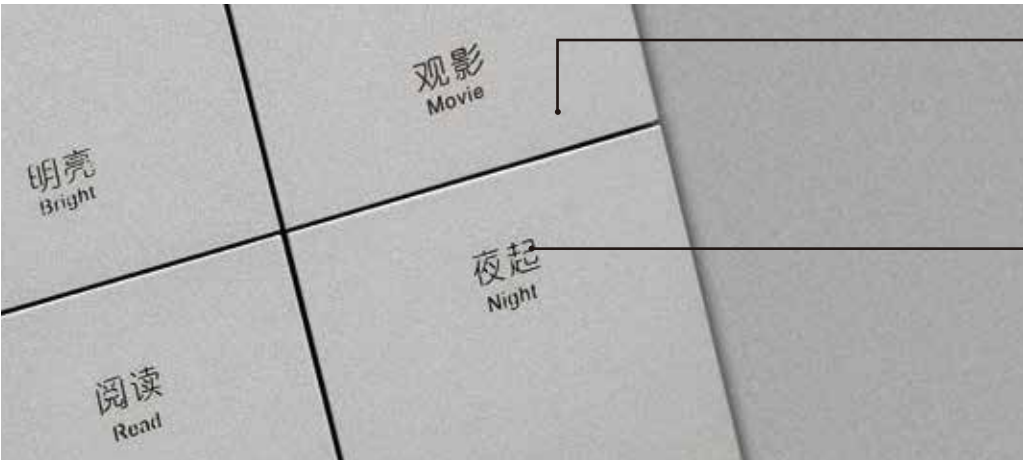
- air conditioning control
- Fresh air control
- Floor heating control
- Key lock function



socket panel



Socket with USB charger



Natural and comfortable button feedback, can be pressed at least 100,000 times

User-defined button icon function text

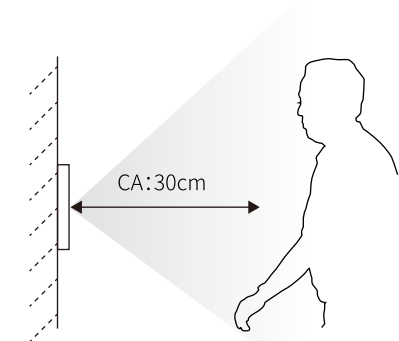


Proximity sensor function:

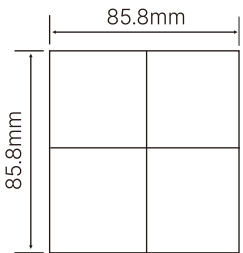
The distance of human body movement sensing is about 30cm. After effective sensing, the indicator light on the panel shows the status before it goes out, and the indicator light on the panel automatically goes out after 30 seconds.



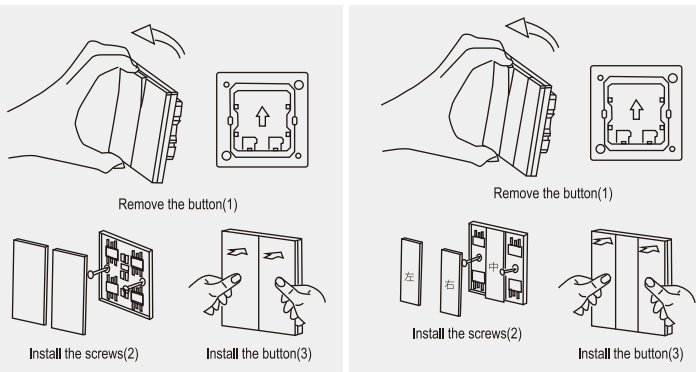
While effectively sensing, the panel sends data to the KNX bus, and customers can configure parameters to meet the required applications.



Dimensions:



Installation diagram: 1. Remove the button 2. Install the screws 3. Install the button



Free combination of functions

The basic form of Smart PLUS series is the national standard button panel or socket panel. You can use just one panel if it meets your needs. Or you can combine multiple basic panels together and use them in one area to achieve multiple control functions.

Horizontal installation



2 Gangs

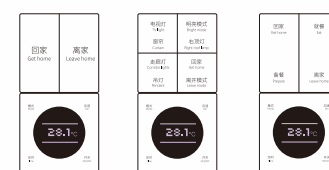
3 Gangs



4 Gangs



Vertical installation



2 Gangs

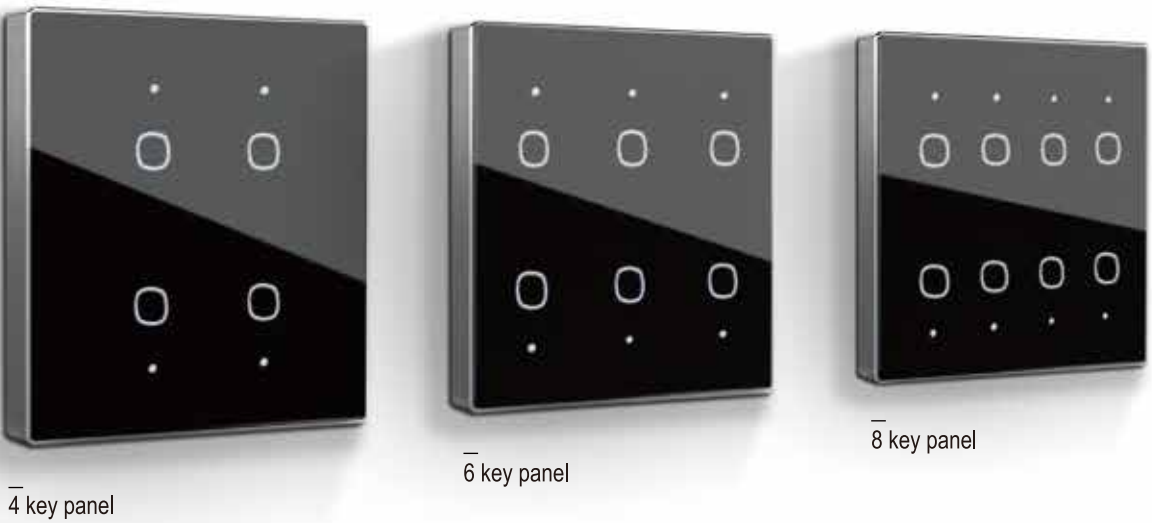


3 Gangs



4 Gangs





Available colour:

touch glass



Metal frame



ET series

ET series panels have a variety of options: 4 fold, 6 fold, and 8 fold panels. They adopt an integrated design and are easy to install. The glass touch panel is encased in a metal frame design, and the touch buttons can be customized with icons or text, with proximity sensing function, two-color status indicator light, and touch prompt sound.

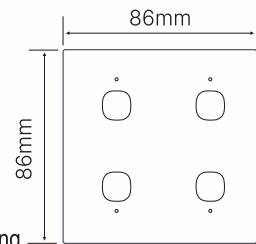
Features:

- Glass capacitive touch sensing
- Bi-color LED status indication
- Proximity sensing
- Touch button sound

Dimension:

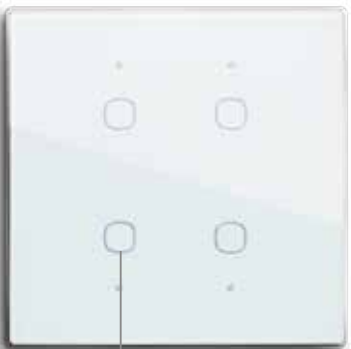
Parameters:

- KNX voltage: 30 VDC
- KNX current: < 10mA
- Material: Magnesium aluminum alloy
- Process: Anodizing sandblasting, laser engraving



The glass touch panel has a built-in proximity sensor. When it senses movement, the panel indicator lights up automatically to guide the position of the switch

The panel indicator light automatically lights up



Optional custom button graphic text



Functions:

- universal switch
- curtain control
- Start/stop or step dimming
- scene control
- Logical AND or key blocking
- LED status indication

Installation diagram:

The outer frame is installed on the 86 back box, and then the glass touch panel is buckled on the outer frame. The installation diagram is as shown below.

