



KNX Smart Control System

Product Catalog 2026



Guangzhou Hotekey Electronics Co., Ltd.

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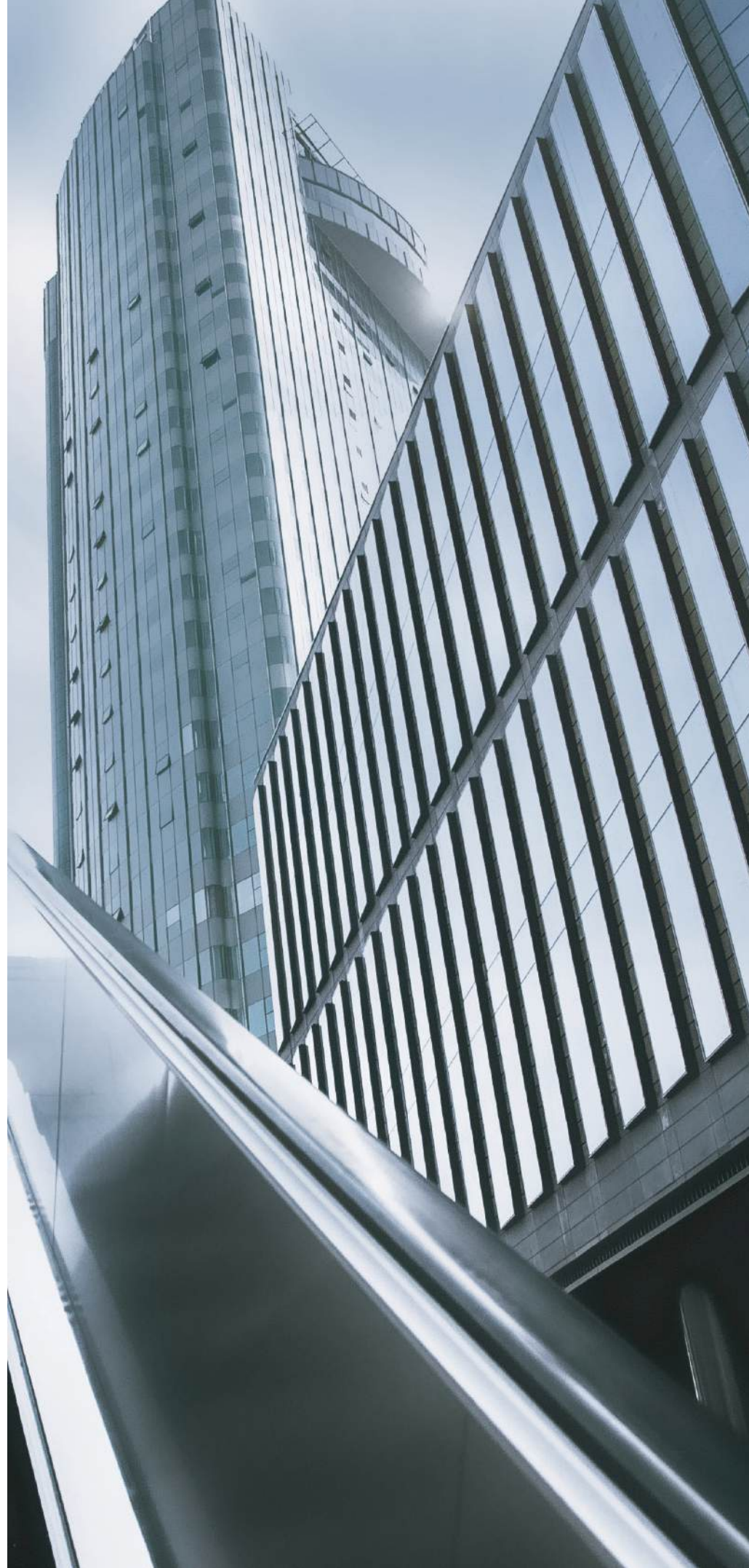
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01 COMPANY PROFILE

Guangzhou Hotekey Electronics Co., Ltd. (HOTEKEY) is a national high-tech enterprise founded in 2013, integrating R&D, production and sales of smart room-control systems. Guided by a "simple and useful" design philosophy, HOTEKEY provides KNX-, RS-485- and BLE Mesh-compatible panels, sensors, actuators, gateways and cloud-platform software for intelligent lighting, HVAC, shading and energy management in hotels, apartments and commercial buildings.

Headquartered in Guangzhou, China with a Singapore office, HOTEKEY works with local integration partners to provide convenient and rapid localized service to partners across Asia, the Middle East and beyond.



HOTEKEY holds completely independent IP in room control units and smart panels, with 46+ patents and software copyrights. It is a national high-tech and national dual-software certification enterprise, and its products carry ISO 9001, CE and RoHS certification.

With excellent product quality and a strong customer reputation, HOTEKEY has delivered 2,000+ projects and 130,000+ smart rooms, including Wanda Realm Hotel (Luang Prabang, Laos) and Hilton Guangzhou, plus many branded hotel and apartment projects across China and Southeast Asia.

ISO 9001
Certified

CE / RoHS
Certified

National
High-tech Enterprise

46+ Patents &
Software Copyrights

2,000+
Projects Delivered

130,000+
Rooms Deployed

HOTEKEY is committed to bringing open-standard KNX products into hospitality and residential spaces, so that KNX, the world's only open standard, can be more widely used in smart buildings across Asian markets.

Our solutions include:



Intelligent energy
solutions for public
buildings



Smart community
solutions



Smart hotel solutions



Industry customized
solutions

02

About KNX



**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:**

40%

Blind Control

50%

Climate Control

60%

Lighting Control

60%

Ventilation control



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 (ISO/IEC 14543-3)
- American Standard (ANSI/ASHRAE 135)
- European standards (CENELEC EN 50090 & CEN EN 13321-1)

HOTEKEY Products

User Interface

Minimalist style, cutting-edge quality

The smart panel adheres to the simple and stable design concept. It gives it a minimalist modernist aesthetic. The product has great flexibility, Simple and smart, Satisfied from a single function, To catalyze modern people's aesthetics and life, Function and form are perfectly integrated, It is the product concept of HOTEKEY intelligent panel series.



4 Fold Push Button Panel
PM1304.212X



8 Fold Push Button Panel
PM1308.212X



6 Button Multi- function Thermostat
PM1424.212X



Multi-function Thermostat
PM1429.010X

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

Parameters

KNX Voltage	30 VDC	Outer Frame Button Material	Aluminum alloy
KNX Current	< 10mA	Process	Anodizing, Sandblasting
Auxiliary Power Supply	12 ~ 30VDC	Dimension	86x86x33mm
Available Colour	Polar silver	Titanium black	Ceramic white
	Champagne gold	Mica black	Gem gray Rose red

10 inch Touch Screen



10 inch Touch Screen

PT1103.1010

Features

- Integrated switches, curtains, dimming, and color temperature control functions
- Integrated temperature control, RGB dimming, music control, and air quality display functions
- Support KNX scenes and customized scenes
- Supports universal timers and customized timers
- Support AND, OR, XOR logic functions
- Support logic bus transceiver function
- Support KNX group address import
- Support configuration data backup and import
- Support Chinese/English/Russian language switching
- Built-in temperature and humidity sensor
- Built-in RGB ambient light strip

Parameters

KNX Voltage	30 VDC
KNX Current	< 10mA
Auxiliary Power Supply	12 ~ 30VDC
Network Connection	Wired, WIFI
Outer Frame Material	Aluminum alloy, silver, brown gray
Dimension	240x163x39mm

86 Touch Screen



86 Touch Screen

PT1101.040X

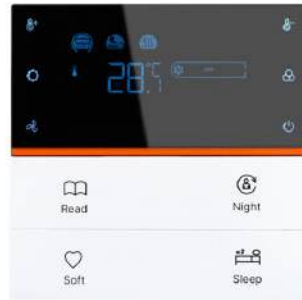
Features

- 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

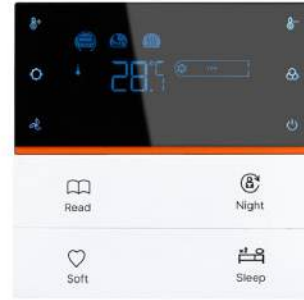
Parameters

KNX Voltage	30 VDC
KNX Current	< 10mA
Auxiliary Power Supply	12 ~ 30VDC
Material	Aluminum Alloy
Process	Anodizing Sandblasting
Dimension	86x86x31mm 86x95x31mm
Available Colour	Silver Gold Dark gray

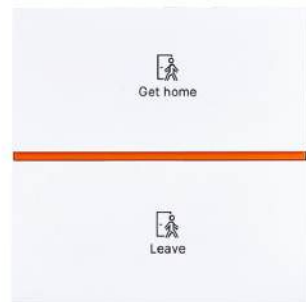
ER Series



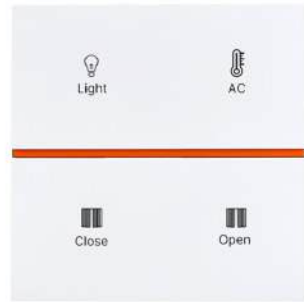
3in1 Thermostat
PM1820.001X



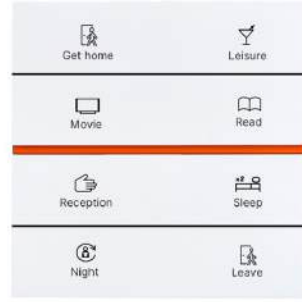
4 Button Thermostat
PM1821.001X



2 Button Panel
PM1802.021X



4 Button Panel
PM1804.041X



8 Button Panel
PM1808.081X

Features

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

Parameters

KNX Voltage	30 VDC	Proximity Sensing Distance	30cm
KNX Current	< 10mA	Process	Anodizing, Oil injection
Auxiliary Power Supply	12 ~ 30VDC	Dimension	86x86x38mm
Available Colour	White Matt black Blue gray Silver Red Dark gray		

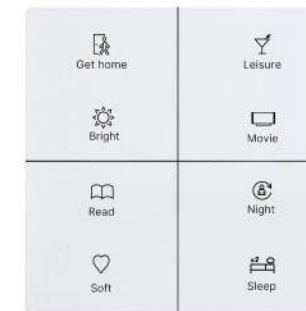
EZ Series



2 Button Panel
PM1902.010X



4 Button Panel
PM1904.010X



8 Button Panel
PM1908.010X



3in1 Knob Thermostat
PM1920.001X

Features

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

Parameters

KNX Voltage	30 VDC	Proximity Sensing Distance	30cm
KNX Current	< 10mA	Button Material	Aluminum alloy
Auxiliary Power Supply	12 ~ 30VDC	Process	Anodizing, Sandblasting
Dimension	86x86x31mm	3in1 Knob Thermostat: 86x86x30mm	
Available Colour	 Champagne Gold	 Light Grey	 Black

EX Series

User Interface

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.



Multi- function Thermostat
PM1226.100X



4 Fold Push Button Panel
PM1204.100X



6 Fold Push Button Panel With
Gesture Control
PM1206.110X



8 Fold Push Button Panel
PM1208.000X



Multi- function Thermostat
PM1220.100X

EX Series

User Interface

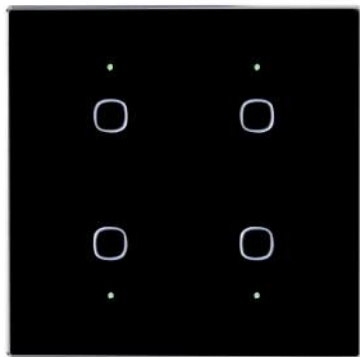
Features

- 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

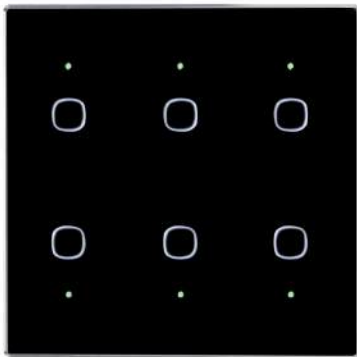
Parameters

KNX Voltage	30 VDC	Material	Aluminum Alloy
KNX Current	< 10mA	Process	Anodizing sandblasting, laser engraving
Auxiliary Power Supply	12 ~ 30VDC	Dimension	86x151x11mm 86x86x11mm
Available Colour	● Silver ● Gold ● Gray		

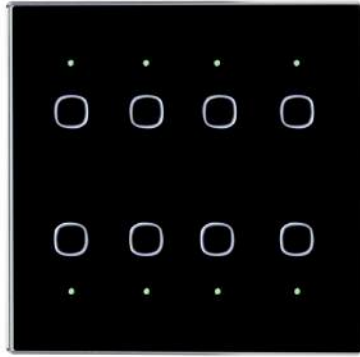
ET Series



4 Fold Glass Touch Panel
PT1004.26X7



6 Fold Glass Touch Panel
PT1006.26X7



8 Fold Glass Touch Panel
PT1008.26X7

Features

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

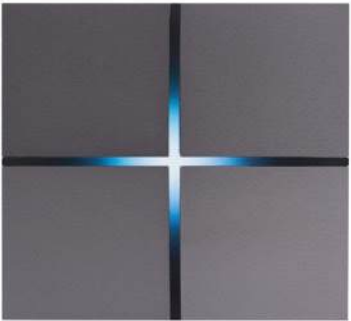
Parameters

KNX Voltage	30 VDC	Material	Magnesium aluminum alloy
KNX Current	< 10mA	Process	Anodizing sandblasting, laser engraving
Dimension	86x86x33mm	Available Colour	● Black ● White ● Silver ● Gold ● Ash

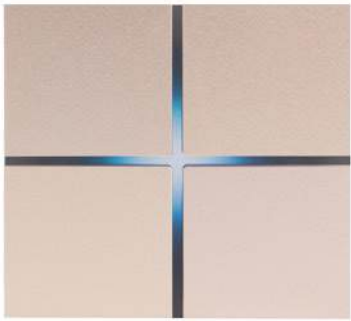
EMT Series Panel



4 Fold Touch Panel
PT1014.2631



4 Fold Touch Panel
PT1014.2632



4 Fold Touch Panel
PT1014.2638

Features

- Metal touch sensing
- 7 colors LED indication
- Support 8 scenes and 4 logic
- Channel grouped function
- Independent input function

Parameters

KNX Voltage: 30 VDC
KNX Current: < 10mA
Material: Magnesium aluminum alloy
Process: Anodizing Sandblasting
Dimension: 86x86x31mm

Switch Actuator

Every product comes from every meticulous detail;
Every meticulous detail demonstrates the level of "craftsmanship" of HOTEKEY



4 Fold 10A Switch Actuator
HT0004.1001



4 Fold 16A Switch Actuator
HT0004.1601



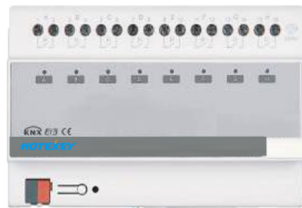
4 Fold 20A Switch Actuator
HT0004.2010

Features

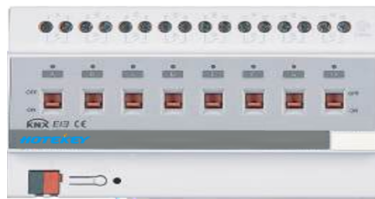
- Delay On/off
- Stair Lighting
- Master On/off
- Manual Switch (16A/20A Only)
- 8 Scenes
- Logic: AND, OR
- Overload /Current Detection (16A/20A Only)
- Status Value Feedback

Parameters

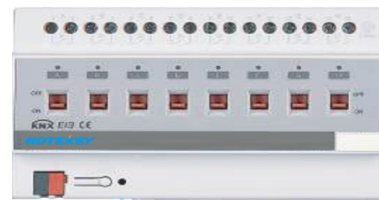
KNX Voltage	DC 21V ~ 31V	Channel	4 Channels
KNX Current	<12mA	IP Class	IP20
Power Consumption	<360mW	Working Temperature	-35°C ~ +45°C
Current Detection Range	0.1A ~ 22A	Communication	KNX/EIB
Load Rated Current	10A/16A/20A	Dimension	72x90x63mm
Installation	35mm Din Rail		



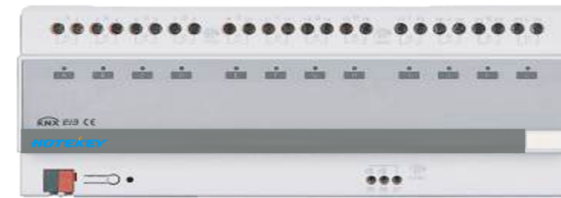
8 Fold 10A Switch Actuator
HT0008.1001



8 Fold 16A Switch Actuator
HT0008.1601



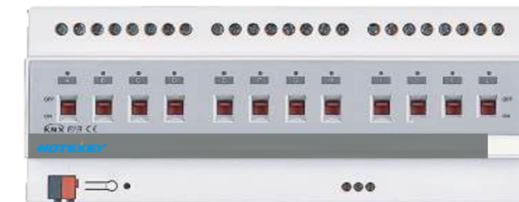
8 Fold 20A Switch Actuator
HT0008.2010



12 Fold 10A Switch Actuator
HT0012.1001



12 Fold 16A Switch Actuator
HT0012.1601



12 Fold 20A Switch Actuator
HT0012.2010

Features

- Delay On/off
- Stair Lighting
- Status Value Feedback
- Overload /Current Detection (16A/20A Only))
- 8 Scenes
- Master On/off
- Logic: AND, OR
- Manual Switch(16A/20A Only)

Parameters

KNX Voltage	DC 21V ~ 31V	Channel	8 Channels
KNX Current	<12mA	IP Class	IP20
Power Consumption	<360mW	Working Temperature	-35°C ~ +45°C
Current Detection Range	0.1A ~ 22A	Communication	KNX/EIB
Load Rated Current	10A/16A/20A	Dimension	144x90x63mm
Installation	35mm Din Rail		

Features

- Delay On/off
- Stair Lighting
- Master On/off
- Status Value Feedback
- Logic: AND, OR
- 8 Scenes
- Overload /Current Detection (16A/20A Only)
- Manual Switch(16A/20A Only)

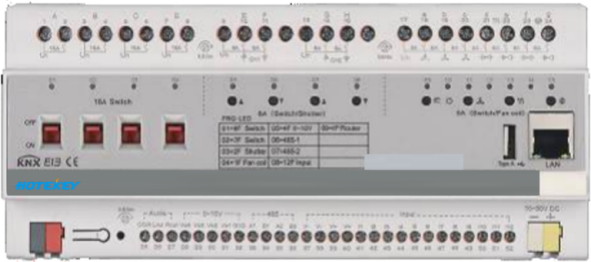
Parameters

KNX Voltage	DC 21V ~ 31V	Channel	12 Channels
KNX Current	<12mA	IP Class	IP20
Power Consumption	<360mW	Working Temperature	-35°C ~ +45°C
Current Detection Range	0.1A ~ 22A	Communication	KNX/EIB
Load Rated Current	10A/16A/20A	Dimension	216x90x63mm
Installation	35mm Din Rail		

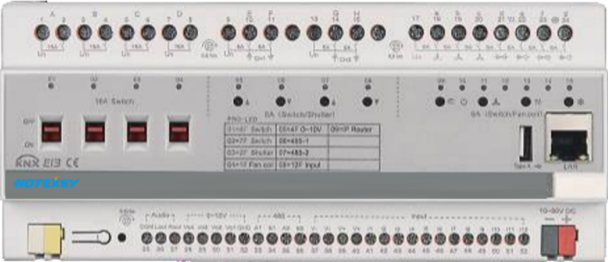
Switch Actuator



28 Fold Multifunction Actuator
MF0024.1004



Room Control Unit
RM0448.1611



Room Control Unit Plus
RM0449.1611

Switch Actuator

Features

- 24 Fold Universal Switch(Lighting, Curtain and FCU)
- Delay On/off
- Stair Lighting
- 4 Fold 0-10V Dimming/Fan Speed Control
- 8 Scenes
- Logic: AND, OR

Parameters

KNX Voltage	DC 21V ~ 31V	Channel	28 Channels
KNX Current	<12mA	IP Class	IP20
Power Consumption	<360mW	Working Temperature	-5°C ~ +45°C
Load Rated Current	16A	Communication	KNX/EIB
Installation	35mm Din Rail	Dimension	216x90x63mm

Features

- Built-in Ethernet interface, KNX bus interface, RS485 bus interface
- External devices can be connected via RS485
- Built-in KNX IP routing function, can directly connect with switches for KNX networking
- 12 Fold IO Input
- 15 fold switch configured as switch, curtain, and FCU functions
- Audio play function (RCU0449.1611 only)
- 4 Fold 0-10V dimming function

Parameters

KNX Voltage	DC 21V ~ 31V	IP Class	IP20
Auxiliary power supply	DC 20V ~ 30V	Working Temperature	-5°C ~ +45°C
Channel	Maximum 15 Fold Switch, 4 Fold Dimming and 12 Fold IO Input.	Dimension	216x90x63mm
		Installation	35mm Din Rail
Communication	KNX/EIB		
Interface	Rs485 Ports, 1 Ethernet Port, 1 Audio Port, 1 USB Port		

Dimming Actuator

Dimming actuators are used to adjust the brightness and switch of lamps which include incandescent lamps, low-voltage halogen lamps with electronic transformers or ferromagnetic transformers, etc.



3 Fold 600W Dimming Actuator
DM0103.0610

Features

- Dimming mode: relative/absolute
- Area restrictions: Set dimming areas
- Current detection function
- Delayed on/off, leading/trailing edge dimming
- Brightness value setting at startup: opening, closing speed
- Scene function
- Temperature monitoring: overheating triggers alarm and protection
- Dimming speed: 0%-100% dimming time can be set

Parameters

KNX Voltage	DC 21V ~ 31V	Channel	3 Channels
KNX Current	<10mA	IP Class	IP20
Power Consumption	<300mW	Working Temperature	-5°C ~ +45°C
Load Rated Current	3A	Communication	KNX/EIB
Rated Voltage	AC110V-230V(50/60Hz)	Dimension	216x90x63mm
Installation	35mm Din Rail		



6 Fold 200W Dimming Actuator
DM0116.0210

Features

- Dimming mode: relative/absolute
- Dimming speed: 0%-100% dimming time can be set
- Scene function
- Brightness value setting at startup: opening, closing speed
- Temperature monitoring: overheating triggers alarm and protection
- Current detection function
- Area restrictions: Set dimming areas
- Delayed on/off, leading/trailing edge dimming

Parameters

KNX Voltage: DC 21V ~ 31V	Load Rated Current: 1A
KNX Current: <10mA	IP Class: IP20
Power Consumption: <300mW	Channel: 6 Channels
Working Temperature: -5°C ~ +45°C	Communication: KNX/EIB
Rated Voltage: AC110V-230V (50/60Hz)	Dimension: 216x90x63mm
Installation: 35mm Din Rail	



64 Fold DALI Gateway
GW2303.0402

Features

- Supports 16 scenes, scene numbers can be set individually
- Dimming time can be set individually; color adjustment settings
- Operation mode: normal mode, dynamic mode, slave mode
- Short address allocation: automatic allocation, manual allocation and address deletion
- Can individually control dimming, color adjustment and status feedback for 64 devices
- Supports DT8 device type and can perform color adjustment

Parameters

KNX Voltage: DC21V~31V	IP Class: IP20
DALI channels: 1 Channel	Working temperature: -5°C~+45°C
Number of DALI devices: 64	Communication: KNX/EIB
Power supply: AC 85V~265V (50/60Hz)	Dimension: 72x90x63mm
Installation: 35mm Din Rail	

Features

- Dimming mode: relative/absolute
- Dimming speed: 0%-100% dimming time can be set
- Scene function
- Brightness value setting at startup: opening, closing speed
- Area restrictions: Set dimming areas
- Delayed on/off, leading/trailing edge dimming

Parameters

KNX Voltage: DC 21V ~ 31V	Load Rated Current: 16A
KNX Current: 12mA	IP Class: IP20
Power Consumption: <1.2W	Channel: 6 Channels
Working Temperature: -5°C ~ +45°C	Communication: KNX/EIB
Rated Voltage: AC110V-230V (50/60Hz)	Dimension: 108x90x63mm
Installation: 35mm Din Rail	



6 Fold 0-10V Dimming Actuator
DM0106.0050



128 Fold DALI Gateway
GW2304.0401

Features

- Supports 16 scenes, scene numbers can be set individually
- Dimming time can be set individually; color adjustment settings
- Operation mode: normal mode, dynamic mode, slave mode
- Short address allocation: automatic allocation, manual allocation and address deletion
- Can individually control dimming, color adjustment and status feedback for 128 devices

Parameters

KNX Voltage: DC21V~31V	IP Class: IP20
DALI channels: 2 Channels	Working temperature: -5°C~+45°C
Number of DALI devices: 128	Communication: KNX/EIB
Power supply: AC 85V~265V (50/60Hz)	Dimension: 72x90x63mm
Installation: 35mm Din Rail	



3 Fold 8A Flush Mount Switch Actuator

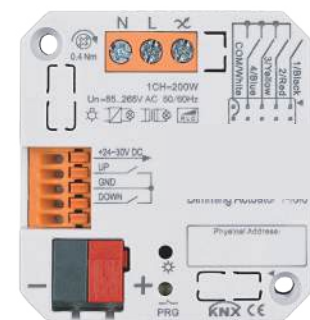
SW0003.0851

Features

- Delay on/off
- Master on/off
- Status value feedback
- Logic: AND, OR
- Stair lighting function
- Support 8 Scenes
- Support 4 dry contact inputs

Parameters

KNX Voltage: DC21V~31V	Channel: 3 Channels
KNX Current: < 5mA	IP Class: IP20
Power Consumption: <150mW	Working temperature: -5°C~+45°C
Load Rated Current: 8A	Communication: KNX/EIB
Installation: Flush Mount	Dimension: 52x50x22mm



1 Fold 200W Flush Mount Dimming Actuator

DM0101.0210

Features

- Dimming mode: relative/absolute
- Dimming speed: 0%-100% dimming time can be set
- Scene function
- Brightness value setting at startup: opening, closing speed
- Temperature monitoring: overheating triggers alarm and protection
- Delayed on/off, leading/trailing edge dimming
- Support 4 dry contact inputs

Parameters

KNX Voltage: DC21V~31V	Channel: 1 Channels
KNX Current: <12mA	IP Class: IP20
Power Consumption: <360mW	Working temperature: -5°C~+45°C
Load Rated Current: 1A	Communication: KNX/EIB
Auxiliary Power Supply: 24-30VDC	Dimension: 52x50x22mm
Installation: Flush Mount	



3 Fold 0-10V Flush Mount Dimming Actuator

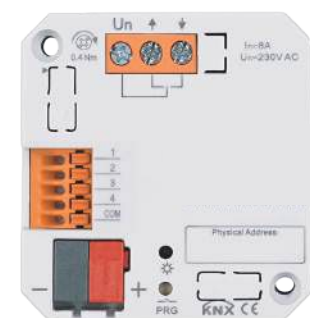
DM0103.0030

Features

- Delay on/off
- Master on/off
- Status value feedback
- Logic: AND, OR
- Stair lighting function
- Support 8 Scenes
- Support 4 dry contact inputs

Parameters

KNX Voltage: DC21V~31V	Channel: 3 Channels
KNX Current: < 5mA	IP Class: IP20
Power Consumption: <150mW	Working temperature: -5°C~+45°C
Load Rated Current: 8A	Communication: KNX/EIB
Installation: Flush Mount	Dimension: 52x50x22mm



1 Fold Flush Mount Shutter Actuator

WD0201.0851

Features

- Delay on/off
- Scene function
- Curtain control function
- Support 4 dry contact inputs
- The motor adjustment range can be set
- Motor position can be set when the bus power off

Parameters

KNX Voltage: DC21V~31V	Channel: 1 Channels
KNX Current: <5mA	IP Class: IP20
Power Consumption: <150mW	Working temperature: -5°C~+45°C
Load Rated Current: 8A	Communication: KNX/EIB
Installation: Flush Mount	Dimension: 52x50x22mm

FCU Actuator

FCU actuator are used to control the room temperature, it has cooling and heating mode and also support 3 fan speeds.



FCU Actuator
AC0501.1004

Features

- Supports control of single-phase fans with up to three fan speeds
- Support status value feedback
- Supports relay switch position selection after bus voltage disconnection and recovery
- Supports control of 2-duct, 3-duct and 4-duct air conditioning control systems
- Support manual control, automatic control of fans and valves
- Supports control of heating valves and cooling valves

Parameters

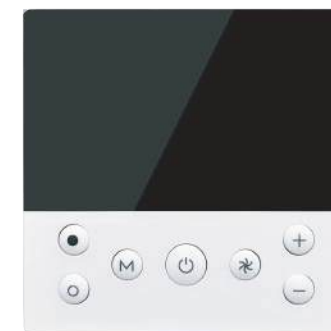
KNX Voltage:DC 21V ~ 31V	IP Class:IP20
KNX Current: <12mA	Working Temperature:-5°C ~ +45°C
Channel:7 Channels	Communication:KNX/EIB
Load Rated Current: 10A	Dimension:72x90x63mm
Fan:3 Speeds	Installation:35mm Din Rail

Features

- Room temperature control can be switched or proportional (PWM or continuous) adjusted
- Seasonal mode: Heating and cooling can be switched locally or via bus.
- Manual or automatic control of 2-duct, 3-duct or 4-duct connected fan coil units
- Delayed shutdown function.
- Built-in relay for direct connection to fan coil unit.
- Equipped with a set of two-button key functions that can be configured as switch, dimming, curtain and scene functions.

Parameters

KNX Voltage:DC 21V ~ 30V	Material:ABS
Auxiliary power supply: DC 20V ~ 30V	Appearance color:Vory white
Temperature detection rangel:-20°C ~ +50°C	Communication:KNX/EIB
Humidity detection range: 1 ~ 100%	Dimension:86x86x9mm
Working Temperature:-5°C ~ +45°C	Installation:86 Type back box



FCU Thermostat
PM1423.1239

Shading Actuator

Smart, Convenient And Energy-saving

You can control the curtains to fully open or close, or stop the curtains at a specified position. You can also precisely control the opening and closing of the curtains through percentages.



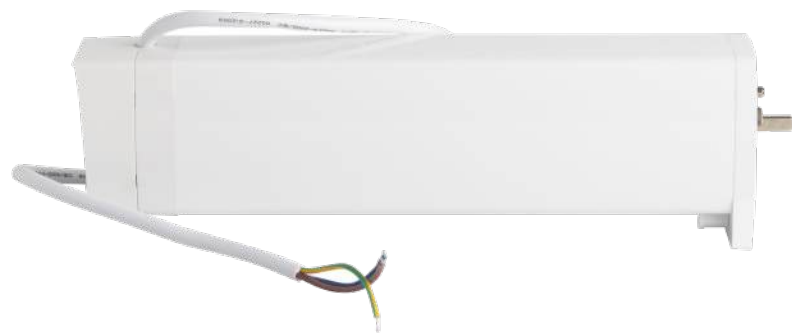
4 Fold Shutter Actuator
WD0204.0801

Features

- Delay on/off
- Scene function
- Curtain control function
- Manual control
- The motor adjustment range can be set
- Motor position can be set when the bus power off

Parameters

KNX Voltage	DC 21V ~ 31V	Channel	4 Channels
KNX Current	<12mA	IP Class	IP20
Power Consumption	<360mW	Working Temperature	-35°C ~ +45°C
Load Rated Current	10A	Communication	KNX/EIB
Installation	35mm Din Rail	Dimension	108x90x63mm



KNX Motorized Curtain Motor

WD0221.1214

Features

- limit setting
- Position status feedback
- Scene function
- Reset function
- Drive capability adaptive function
- Absolute position settings
- Manual operation
- Remote control

Parameters

KNX Voltage	DC 21V ~ 31V	Rated Speed	14rpm
KNX Current	<5mA	IP Class	IP44
Input Voltage	230VAC 50/60Hz	Working Temperature	-5°C ~ +45°C
Rated Torque	1.2N*m	Communication	KNX/EIB
Maximum Load	30kg	Dimension	245x71x51mm
Running Noise	33dB(a)	Installation	Ceiling Mount



KNX Motorized Tubular Motor

WD0223.3508

Features

- limit setting
- Position status feedback
- Scene function
- Reset function
- Drive capability adaptive function
- Absolute position settings
- Manual operation
- Remote control

Parameters

KNX Voltage	DC 21V ~ 31V	Rated Speed	19rpm
KNX Current	<5mA	IP Class	IP44
Input Voltage	230VAC 50/60Hz	Working Temperature	-5°C ~ +45°C
Rated Torque	8N*m	Communication	KNX/EIB
Maximum Load	15kg	Dimension	504x38.5x38.5mm
Running Noise	33dB(a)	Installation	Ceiling Mount

Presence Detector

Presence Detector

Intelligent sensing, convenient and energy-saving



Presence Detector

Biological Presence Detector
SS3006.0101

Features

- Lux range: 1 lux ~ 60k lux
- Day/night control mode can be configured independently and can be switched externally
- Monitor 3 types output data, such as switch value, dimming value and scene value.
- Working mode: manual, automatic/semi-automatic
- Support to set the threshold value of load brightness
- Supports motion detection with 1~10 levels of sensitivity
- Support to set load working cycle and idle cycle
- Support master and slave detectors
- Support Lux value output function, its value can be sent periodically
- Support brightness change output switch function
- Lux values can be calibrated externally and internally

Parameters

KNX Voltage	DC 21V ~ 31V	levels of sensitivity	-10
KNX Current	< 15mA	Lux range	1 lux ~ 60k lux
Auxiliary Power Supply	DC 12~30 V	IP Class	IP20
Power consumption	<450mW	Working Temperature	-5°C ~ +45°C
Motion Detection Range	8-10m	Communication	KNX/EIB
Micro-movement range	8-10m	Dimension	89x89x42 mm
Breath Detection range	6-8m	Installation	Ceiling Mount



PIR Presence Detector
SS3001.0101



PIR & LUX Presence Detector
SS3003.0101



Microwave Presence Detector
SS3002.0102



Microwave & LUX Presence Detector
SS3004.0102

Features

- Day/night control modes are independently configurable and externally switchable
- Supports master-slave detector networking function
- Lux value can be output and sent in a timed cycle
- Lux value calibration
- Working mode: manual mode, fully automatic mode, semi-automatic mode
- Support switching value, dimming value, scene value output data and movement monitoring function
- Lux sensing range: 1 lux-60k lux
- Supports brightness threshold setting function
- Constant Lux function (SS3003)

Parameters

KNX Voltage	DC 21V ~ 31V	IP Class	IP20
KNX Current	< 12mA	Working Temperature	-5°C ~ +45°C
Power consumption	<360mW	Communication	KNX/EIB
Motion Detection Range	4-8m	Dimension	92x92x57mm
levels of sensitivity	1-10	Installation	Ceiling Mount
Lux range	1 lux ~ 60k lux		

Features

- Day/night control modes are independently configurable and externally switchable
- Supports master-slave detector networking function
- Lux value can be output and sent in a timed cycle
- Lux value calibration
- Working mode: manual mode, fully automatic mode, semi-automatic mode
- Support switching value, dimming value, scene value output data and movement monitoring function
- Lux sensing range: 1 lux-60k lux
- Supports brightness threshold setting function
- Constant Lux function (SS3004)

Parameters

KNX Voltage	DC 21V ~ 31V	Lux range	1 lux ~ 60k lux
Auxiliary Power Supply	DC12-30V	IP Class	IP20
KNX Current	< 12mA	Working Temperature	-5°C ~ +45°C
Power consumption	<360mW	Communication	KNX/EIB
Motion Detection Range	6-10m	Dimension	92x92x57mm
levels of sensitivity	1-10	Installation	Ceiling Mount



Biological Presence Detector

SS3007.0101



Dual Tech Presence Detector

SS3008.0101

Features

- Lux range: 1 lux ~ 60k lux
- Support to set the threshold value of load brightness
- Day/night control mode can be configured independently and can be switched externally
- Monitor 3 types output data, such as switch value, dimming value and scene value.
- Working mode: manual, automatic/semi-automatic
- Support Distance detection
- Supports motion detection with 1~10 levels of sensitivity
- Support master and slave detectors
- Support to set load working cycle and idle cycle
- Support Lux value output function, its value can be sent periodically
- Support brightness change output switch function
- Lux values can be calibrated externally and internally

Parameters

KNX Voltage	DC 21V ~ 31V	levels of sensitivity	1-10
KNX Current	< 15mA	Lux range	1 lux ~ 60k lux
Auxiliary Power Supply	DC 12~30 V	IP Class	IP20
Power consumption	<450mW	Working Temperature	-5°C ~ +45°C
Motion Detection Range	8-10m	Communication	KNX/EIB
Micro-movement range	8-10m	Dimension	92x92x68 mm
Breath Detection range	6-8m	Installation	Ceiling Mount
Distance Detection	1-9m		

Features

- Support passive infrared detection and 24GHz microwave detection
- Lux range: 1 lux ~ 60k lux
- Day/night control mode can be independently configured and externally switched
- Monitor 3 types output data, such as switch value, dimming value and scene value
- Working mode: manual, automatic/semi-automatic
- Supports standby mode when in dimming output type
- Support to set the threshold value of load brightness
- Supports motion detection with 1~10 levels of sensitivity
- Support to set load working cycle and idle cycle
- Support master and slave detectors
- Support Lux value output function, its value can be sent periodically
- Support brightness change output switch function
- Lux values can be calibrated externally and internally
- Supports periodic sending of measured temperature values

Parameters

KNX Voltage	DC 21V ~ 31V	levels of sensitivity	1-10
KNX Current	< 20mA	Lux range	1 lux ~ 60k lux
Auxiliary Power Supply	DC 12~30 V	IP Class	IP20
Power consumption	<600mW	Working Temperature	-5°C ~ +45°C
PIR Detection Range	5-10m	Communication	KNX/EIB
Micro-movement range (microwave)	4m	Dimension	92x92x68 mm
Movement range (microwave)	8m	Installation	Ceiling Mount



Flush Mount IR Emitter
GP2410.0304

Features

- It can learn any type of infrared signal.
- There will be feedback information after successful learning.
- It can store up to 255 different infrared codes.
- Many air conditioner and TV remote codes are integrated internally

Parameters

KNX Voltage	DC 21V ~ 31V	IR Transmission Distance	5m
KNX Current	<10mA	IP Class	IP20
Frequency	38KHZ	Working Temperature	-5°C ~ +45°C
Channel	4 Channels	Communication	KNX/EIB
Maximum Code	255	Dimension	52x50x22mm
IR Learn Distance	5m	Installation	Flush Mount



Recess Mount IR Emitter
GP2410.0101

Features

- It can learn any type of infrared signal.
- There will be feedback information after successful learning.
- It can store up to 255 different infrared codes.
- Many air conditioner and TV remote codes are integrated internally

Parameters

KNX Voltage	DC 21V ~ 31V	IR Transmission Distance	5m
Auxiliary Power Supply	DC10-30V	IP Class	IP20
KNX Current	< 10mA	Working Temperature	-5°C ~ +45°C
Frequency	38KHZ	Communication	KNX/EIB
Channel	4 Channels	Dimension	92x92x57mm
Maximum Code	255	Installation	Ceiling Mount
IR Learn Distance	5m		

Universal Interface

Universal interface module can collect signals from other systems and trigger the control of related equipment in the system through ETS programming.



3 Fold Universal Interface
IO0303.1000



6 Fold Universal Interface
IO0306.0206

Features

- Switching
- Dimming
- Curtain Control
- Counter Function
- Scene Control
- Output Control

Parameters

	IO0303.1000	IO0306.0206
KNX Voltage	DC 21V ~ 31V	
KNX Current	< 15mA	< 6mA
Channel	3 Channels	6 Channels
Input Voltage	Dry Contact Input	
Output Voltage	DC 12V	DC 3.3V
IP Class	IP20	
Working Temperature	5°C ~ +45°C	
Communication	KNX/EIB	
Dimension	36x90x63mm	48x41.5x19mm
Installation	35mm Din Rail	Flush Mount

System Accessories

Compatible And Open, Stable Performance
Compatible And Open, Stable Performance

Provide necessary basic conditions for system operation,
such as power supply and various interfaces.
Provide necessary basic conditions for system operation,
such as power supply and various interfaces.



Power Supply
SP2002.6440

Features

- Provide power consumption by different LED indicators
- Bus over-current (short circuit) automatic switching protection
- Delayed self-recovery output
- Manual emergency cut-off
- Supports AC85V~265V global voltage input
- Complies with CE electromagnetic compatibility standards

Parameters

Input Voltage: AC 85V ~ 265V
KNX Voltage: DC 21V ~ 31V
Rated Current: rated 640mA
Working temperature: -5°C ~ +45°C
Protection recovery time: >22s
Continuous short circuit current: < 1.3 A
IP Class: IP20
Communication: KNX/EIB
Dimension: 72x90x63mm
Installation: 35mm Din Rail



Line Coupler
NC2100.0201

Features

- Used as line/zone coupler or repeater
- Used as line coupler to connect branch lines to main lines
- Used as zone coupler to connect main lines and zone lines

Parameters

KNX Voltage: DC 21V ~ 31V	IP Class: IP20
KNX Current: < 12mA	Communication: KNX/EIB
Power consumption <360mW	Dimension: 72*90*63mm
Working temperature: -5°C ~ +45°C	Installation: 35mm Din Rail



USB Interface
GP2402.0001

Features

- The USB interface does not require a driver, ETS software bus interface (BUS Interfaces) Can directly identify this device
- Realize communication between personal computer and KNX system

Parameters

KNX Voltage: DC 21V ~ 31V	IP Class: IP20
KNX Current: < 5mA	Working temperature: -5°C ~ +45°C
Power consumption <150mW	Communication: KNX/EIB
USB Voltage: DC5V	Dimension: 52*45*11mm
USB Current: < 5mA	Installation: Flush Mount
USB Type: Type C	



RS485 Gateway
GW2302.0201

Features

- standard Modbus communication protocol
- Supports reading and writing of maximum 4-byte target value
- Support protocol customization
- Convert RS485 messages and send them to the KNX network for two-way communication

Parameters

KNX Voltage: DC 21V ~ 31V	IP Class: IP20
Auxiliary Power Supply: DC12 ~ 30VDC	Communication: KNX/EIB
KNX Current: < 12mA	Dimension: 36x90x63mm
Power consumption: < 360mW	Installation: 35mm Din Rail
Working temperature: -5°C ~ +45°C	



IP Router
GW2300.0201

Features

- Automatically sense and set network baud rate (10/100Mb)
- Filter, pass or block group messages
- Transparently forward communication control messages
- Monitor KNX bus messages and forward them to all apps

Parameters

KNX Voltage: DC 21V ~ 31V	IP Class: IP20
Auxiliary Power Supply: DC12 ~ 30VDC	Communication: KNX/EIB
KNX Current: < 10mA	Dimension: 36x90x63mm
Working temperature: -5°C ~ +45°C	Installation: 35mm Din Rail



Empower, Intelligent Space

HOTEKEY Solutions are committed to creating a smart space

Empowering the construction industry,
Empowering construction service providers and managers
Realize building informatization, automation, and intelligence

04 Solutions

Smart
Building
Solution

Smart
Home
Solution

Smart
Hotel
Solution

Smart Building Solution

Smart buildings can adjust the indoor environment according to personnel activities, work patterns, and natural light conditions to minimize energy consumption; smart buildings can greatly reduce the workload of management and maintenance personnel, improve work efficiency, and reduce management costs; smart buildings have many Each system of various alarm measures cooperates with each other and realizes comprehensive management in the form of computer network, so that various emergencies can be dealt with quickly and decisively.

HOTEKEY smart building solution adopts the KNX bus standard. Through the organic management of various terminal electrical equipment in the building, it achieves effective and flexible intelligent control management of the building's lighting, temperature and humidity, ventilation, sunshade, environment, etc., minimizing the risk of terminal Use electricity and energy to improve operating efficiency.



Smart Home Solution

Life begins at home; change begins with intelligence. Home is not only a living space, but also a warm companionship.

Smart home solutions create a high-quality life that is safe, comfortable, environmentally friendly, energy-saving, and humane through intelligent control and management of lighting, curtains, environment, cinema, home appliances, background music, home security monitoring, automatic irrigation systems, remote home, etc.



Smart Hotel Solution

As the demand for user experience and interactivity becomes increasingly prominent, a set of automated and information-based solutions has become an important part of high-quality services. Making guests more convenient and comfortable and making hotels more energy-saving and low-consumption have become the core concepts of HOTEKEY smart hotel solutions.

HOTEKEY smart hotel solution creates the ultimate home-away-from-home experience for guests through intelligent management and control of guest rooms, lobbies, public passages (elevators), banquet halls, conference rooms, and underground garages, while minimizing energy consumption, consume, save costs, and maximize hotel benefits.



05

Project Reference

At present, HOTEKEY has delivered 2,000+ smart room projects and 130,000+ rooms across China, Laos, Vietnam and other markets. 282 hotels run on the HOTEKEY cloud platform.

Wanda Realm Hotel

Luang Prabang, Laos

180 guest rooms + 40 resort villas

Flagship overseas project · 2026

Hilton Guangzhou

Guangzhou, China

Intelligent guest room control

International brand hotel

Branded Hotel Network

China & Southeast Asia

Modbus RCU · BLE Mesh · KNX

2,000+ projects delivered

- More than 13 years of hotel room control expertise
- ISO 9001 · CE · RoHS certified
- Guangzhou HQ + Singapore office serving international clients