2022
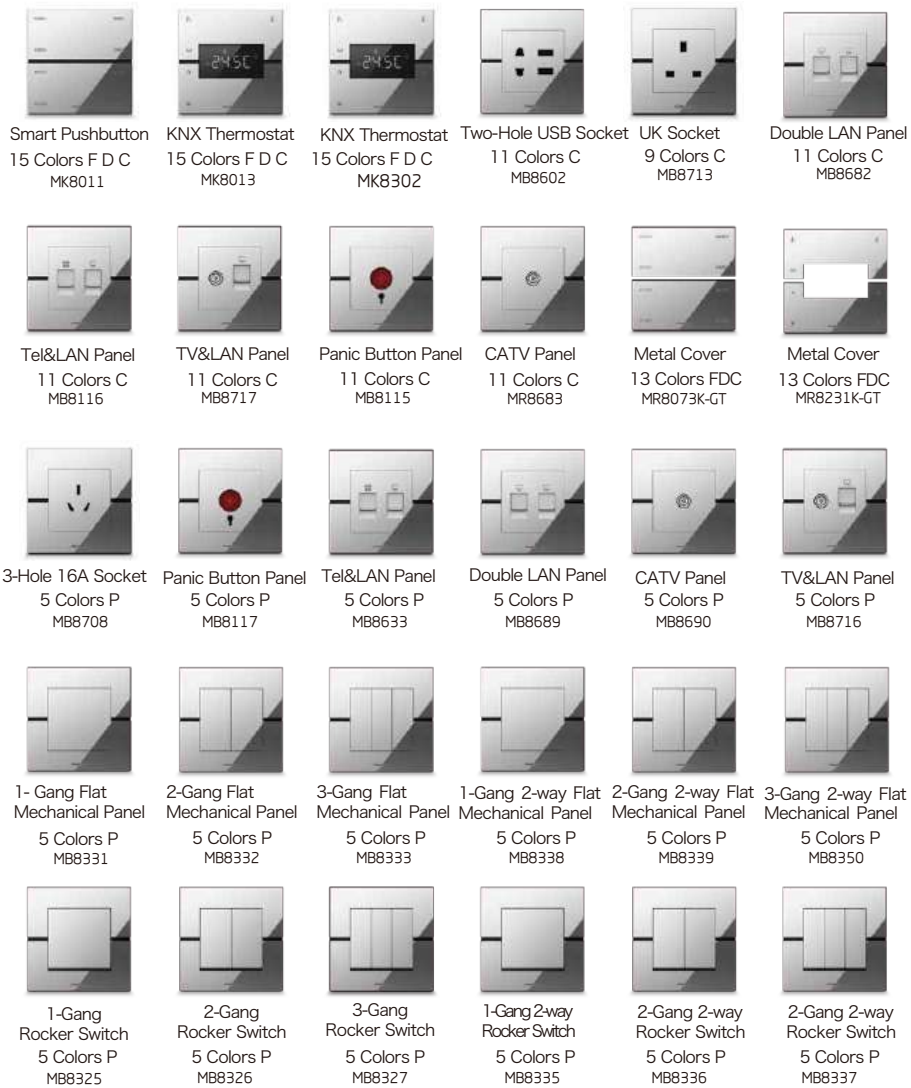
smart **moorgen** home

Moorgen Wired Smart System KNX Product List A / 5 3

moorgen

Smart product
Smart Panel
Swiss Series

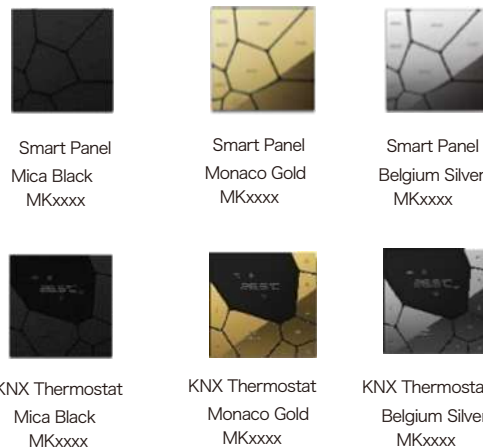|					
Smart Pushbutton 15 Colors F D C MK8011	KNX Thermostat 15 Colors F D C MK8013	KNX Thermostat 15 Colors F D C MK8302	Two-Hole USB Socket 11 Colors C MB8602	UK Socket 9 Colors C MB8713	Double LAN Panel 11 Colors C MB8682
Tel&LAN Panel 11 Colors C MB8116	TV&LAN Panel 11 Colors C MB8717	Panic Button Panel 11 Colors C MB8115	CATV Panel 11 Colors C MR8683	Metal Cover 13 Colors FDC MR8073K-GT	Metal Cover 13 Colors FDC MR8231K-GT
3-Hole 16A Socket 5 Colors P MB8708	Panic Button Panel 5 Colors P MB8117	Tel&LAN Panel 5 Colors P MB8633	Double LAN Panel 5 Colors P MB8689	CATV Panel 5 Colors P MB8690	TV&LAN Panel 5 Colors P MB8716
1- Gang Flat Mechanical Panel 5 Colors P MB8331	2-Gang Flat Mechanical Panel 5 Colors P MB8332	3-Gang Flat Mechanical Panel 5 Colors P MB8333	1-Gang 2-way Flat Mechanical Panel 5 Colors P MB8338	2-Gang 2-way Flat Mechanical Panel 5 Colors P MB8339	3-Gang 2-way Flat Mechanical Panel 5 Colors P MB8350
1-Gang Rocker Switch 5 Colors P MB8325	2-Gang Rocker Switch 5 Colors P MB8326	3-Gang Rocker Switch 5 Colors P MB8327	1-Gang 2-way Rocker Switch 5 Colors P MB8335	2-Gang 2-way Rocker Switch 5 Colors P MB8336	2-Gang 2-way Rocker Switch 5 Colors P MB8337

Smart product
Smart Panel
Madrid Series

Smart Panel Mica Black MKxxxx	KNX Thermostat Mica Black MKxxxx	Coming soon

Smart product
Smart Panel
ZHD Series

Smart Panel Mica Black MKxxxx	Smart Panel Monaco Gold MKxxxx	Smart Panel Belgium Silver MKxxxx	Coming soon
KNX Thermostat Mica Black MKxxxx	KNX Thermostat Monaco Gold MKxxxx	KNX Thermostat Belgium Silver MKxxxx	

Smart product
Lighting module

| 5 Colors P MB8325 | 5 Colors P MB8326 | 5 Colors P MB8327 | 5 Colors P MB8335 | 5 Colors P MB8336 | 5 Colors P MB8337 | |

Universal Switch Actuator 4-Channel 16A
MK2001

1-Channel 700W Dimming Main Module
MK2007

4-Channel 1~10V Dimming Module
MK2003

4-Channel LED Dimming Module
MK2006

1-Channel 700W Dimming Slave Module
MK2007S

8-Channel 16A Universal Switch Module
MK2008

4-Channel 300W Dimming Module
MK2010

12-Channel 16A Universal Switch Module
MK2012

4 Input/4 Output 16A Universal Switch Module
MK2010

8 Input/8 Output 16A Universal Switch Module
MK2010

Smart product
Host

KNX To USB Module
MK7000

KNX IP Interface
MK7001

POE Powered KNX/ IP Gateway
MK7021

640mA KNX Power Supply
MK7009

Web Server Gateway
MK7012

KNX Line Coupler
MK7002

RS485 Converter
MT5022

Smart product
Security

Inwall 3 Input / 2 Output Module
MK8003

4 Input/4 LED Output Wall Mounted Module
MK8009

Ceiling Duty/ Light Sensor
MK5010

Motion Sensor
MK5026

moorgen
smart panel

Swiss Series   1 . 1 . 1

Moorgen smart panel is outstanding in smart area. Slight touch to activate smart scene and combine with curtain, light, TV, AC, security, theater and value–added services. Waking up in the morning without motion, just touch "Wake Mode" accompany with elegant music and sunlight after sheer on

smart moorgen home

Panel Products   KNX 3.1.1" Swiss Series" Smart Panel 15 colors

86 × 86 panel
86 bottom box

15 Colors
L Class

Jade Gold L01

Glacier Silver L05

CRYSTALS FROM SWAROVSKI SINCE 1895

iF DESIGN AWARD 2018

GOOD DESIGN

reddot winner 2020

13 Colors
S F D Class

Monaco Gold F18

Belgium Silver D37

11 Colors
C Class

Gem Gray C58

Luxembourg Gold C12

Ferrari Red C02

Amsterdam Orange C07

Deep Coffee C33

Alaska White C51

5 Colors
C Class

Champagne Gold C22

Champagne Silver C57

Snowflake Silver C50

Mica Black C27

Warm White C56

Smart Pushbutton
15 Colors MK8011

KNX Thermostat
15 Colors MK8013

KNX Thermostat
15 Colors MK8302

Two-Hole USB Socket
11 Colors MB8602

UK Socket
9 Colors
MB8713 C

Double LAN Panel
11 Colors
MB8682 C

Tel&LAN Panel
11 Colors
MB8116 C

TV&LAN Panel
11 Colors
MB8717 C

Panic Button Panel
11 Colors
MB8115 C

CATV Panel
11 Colors
MR8683 C

Metal Cover
13 Colors
MR8073K-GT S F D C

Metal Cover
13 Colors
MR8231K-GT S F D C

Switzerland

5 Colors

P Class

Champagne Gold C22

Champagne Silver C57

Snowflake Silver C50

Mica Black C27

Warm White C56

Switzerland

3-Hole 16A Socket
Plastic 5 Colors
MB8708 P

Panic Button Panel
Plastic 5 Colors
MB8117 P

LAN Panel
Plastic 5 Colors
MB8633 P

Dual LAN Panel
Plastic 5Colors
MB8689 P

CATV Panel
Plastic 5 Colors
MB8690 P

TV&LAN Panel
Plastic 5 Colors
MB8716 P

1-Gang Flat
Mechanical Panel
Plastic 5 Colors
MB8331 P

2-Gang Flat
Mechanical Panel
Plastic 5 Colors
MB8332 P

3-Gang Flat
Mechanical Panel
Plastic 5 Colors
MB8333 P

1-Gang 2-way Flat
Mechanical Panel
Plastic 5 Colors
MB8338 P

2-Gang 2-way Flat
Mechanical Panel
Plastic 5 Colors
MB3339 P

3-Gang 2-way Flat
Mechanical Panel
Plastic 5 Colors
MB8350 P

1-Gang Rocker Switch
Plastic 5 Colors MB8325 P

2-Gang Rocker Switch
Plastic 5 Colors MB8326 P
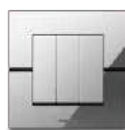
3-Gang Rocker Switch
Plastic 5 Colors
MB8327 P
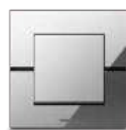
1-Gang 2-way Rocker Switch
Plastic 5 Colors
MB8335 P

2-Gang 2-way Rocket Switch
Plastic 5 Colors
MB8336 P

3-Gang 2-way Rocket Switch
Plastic 5 Colors MB8337 P

smart moorgen home

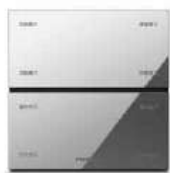Panel Products   KNX   3.1.1" Swiss Series " Smart Panel   86 × 86 panel
                                                                 86 bottom box

Smart Pushbutton
MK8011

- 15 color options
- Made in Italy
- 8 keys
- Each key has LED backlight, the ETS software or combination keys
- can control the brightness of LED indicator
  Input Voltage: DC21-31V

- Each key can be configured function of On/Off, dimming, folding curtain
- control, shutter curtain control, scene
- recovery, scene saving, cyclic sending
- Each key can be configured function
- of single-click, double-click, long-press
  Installation: Wall embedded
  Dimension: 86×86×45.5 mm
  Passed the KNX certification

KNX Thermostat
MK8013

- 15 colors options
- Made in Italy
- 8 keys
- Each key has LED backlight, the ETS software or combination keys can
- control the brightness of LED indicator
  The temperature sensor is located on
- the right side of the panel bottom and can send the temperature detection data to the system or third-party device in real time
  MK2008 should be added to control water aircon

- Control On/Off, mode, wind speed
- and temperature of air conditioner
- Input Voltage: DC21-31V
- Installation: Wall embedded
- Dimension: 86×86×45.5 mm
  Full details are given in topological map

KNX Thermostat
MK8302

- 15 colors options
- Made in Italy
- 8 keys
  Each key has LED backlight, the ETS
- software or combination keys can control the brightness of LED indicator
- The temperature sensor is located on the right side of the panel bottom and can send the temperature detection data to the system or third-party device in real time
  MK2008 should be added to control water aircon

- Control On/Off, mode, wind speed
- and temperature of air conditioner
- Input Voltage: DC21-31V
- Installation: Wall embedded
- Dimension: 86×86×45.5 mm
  Full details are given in topological map

Two-Hole USB Socket
MB8708

P
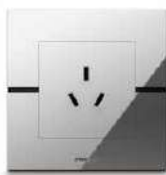
- 5 color options
- Power Supply: AC220V∼16A
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×47.8 mm
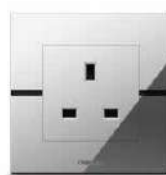
Two-Hole USB Socket
MB8602

C

- 11 color options
- Power Supply: AC 220V∼ 10A
- USB Output Voltage: DC5V/2.1A
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
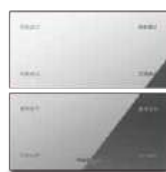- Dimension: 86×86×47.8 mm
- The product has CCC

UK Socket
MB8713

C

- 9 color options
- Power Supply: AC 220V∼ 13A
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
- Dimension: 86×86×25 mm
- The product has CEC
  Gem grey, Luxemburg gold, Ferrari red, deep coffee, champagne gold, champagne silver, snowflake silver, mica black, warm white
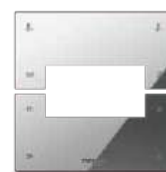
Metal Cover
MR8073K-GT

S F D C

- The sheet metal has 15 color options
- Dimension: 86×86×5 mm

Metal Cover
MR8231K-GT

S F D C

- The sheet metal has 15 color options
- Dimension: 86×86×5 mm

Tel&LAN Panel
MB8116

C

- 11 color options
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
- Dimension: 86×86×30 mm

Tel&LAN Panel
MB8633

P

- 5 color options
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×30 mm

CATV Panel
MR8683

C

- 11color options
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
- Dimension: 86×86×30 mm

CATV Panel
MB8690

P

- 5color options
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×30 mm

Panic Button Panel
MB8115

C

- 11color options
- Output Signal: Normally open/closed
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
- Dimension: 86×86×30 mm

Panic Button Panel
MB8117

P

- 5 color options
- Output Signal: Normally open/closed
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×30 mm

TV&LAN Panel
MB8717

C

- 11color options
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
- Dimension: 86×86×30 mm

TV&LAN Panel
MB8716

P

- 5 color options
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×30 mm

Double LAN Panel
MB8682

C

- 11color options
- Installation: 86 bottom box
- Material: Aluminum magnesium alloy and plastic
- Dimension: 86×86×30 mm

Double LAN Panel
MB8689

P

- 5 color options
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×30 mm

1- Gang Flat Mechanical Panel
MB8331

P

- 5 color options
- Output dry contact signal
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

1-Gang 2-way Flat Mechanical Panel
MB8338

P

- 5 color options
- One key control dual functions
- Output dry contact signal
- Installation: 86 bottom boxMaterial: Plastic
- Dimension:86×86×25 mm
- The product has CCC

2-Gang Flat Mechanical Panel
MB8332

P

- 5 color options
- Output dry contact signal
- Installation: 86 bottom boxMaterial: Plastic
- Dimension: 86×86×25 mm
- The product has CCC
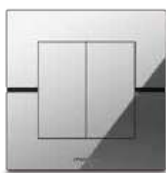
2-Gang 2-way Flat Mechanical Panel
MB3339

P

- 5 color options
- One key control dual functions
- Output dry contact signal
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

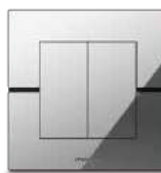**3-Gang Flat Mechanical Panel**
MB8333

P

- 5 color options
- Output dry contact signal
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

3-Gang 2-way Flat Mechanical Panel
MB8350

P

- 5 color options
- One key control dual functions
- Output dry contact signal
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

1-Gang Rocker Switch
MB8325

P

- 5 color options
- Output dry contact signal
- Installation: 86 bottom boxMaterial: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

1-Gang 2-way Rocker Switch
MB8335

P

- 5 color options
- One key control dual functions
- Output dry contact signal
- Installation: 86 bottom boxMaterial: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

2-Gang Rocker Switch
MB8326

P

- 5 color options
- Output dry contact signal
- Installation: 86 bottom boxMaterial: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

2-Gang 2-way Rocker Switch
MB8336

P

- 5 color options
- One key control dual functions
- Output dry contact signal
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

3-Gang Rocker Switch
MB8327

C

- 5 color options
- Output dry contact signal
- Installation: 86 bottom box
- Material: Plastic
- Dimension: 86×86×25 mm
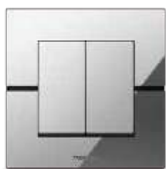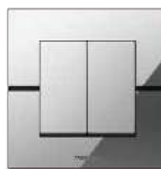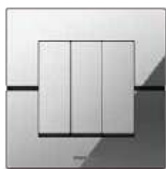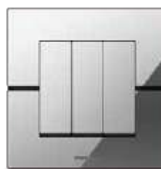- The product has CCC

3-Gang 2-way Rocker Switch
MB8337

C

- 5 color options
- One key control dual functions
- Output dry contact signal
- Installation: 86 bottom boxMaterial: Plastic
- Dimension: 86×86×25 mm
- The product has CCC

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Moorgen Wired Smart System **Price List** -   3 . 2 Lighting

Light Products KNX 3.2.1

Universal Switch Actuator 4-Channel 16A
MK2001

- Made in Italy
- A KNX bus interface
- The device has 4 outputs, each of them can be configured separately to control light / load, or in pairs to control roller shutter and shutter With 2 Channels: A/B
- Installation: DIN rail
- Dimension: 72×90×58 mm

1-Channel 700W Dimming Main Module
MK2007

- Made in Italy
- A KNX bus interface and a host interface
- KNX bus driver control the brightness of lighting devices, such as 230 volt incandescent lamps and halogen lamps.
  As the master dimmer, it can drive two slave dimmers
- (MK2007S)
- Support front edge and back edge dimming
- Installation: DIN rail
  Dimension: 72×90×58 mm

4-Channel 1~10V Dimming Module
MK2003

- Made in Italy
- A KNX bus interface is used to drive lighting device with 0-10V interface
- The product can control four outputs, each with a maximum of 50 mA
- Installation: DIN rail
- Dimension: 72×90×58 mm
  Passed the quality inspection

4-Channel LED Dimming Module
MK2006

- Made in Italy
- A KNX bus interface
- LED constant voltage drive dimmer; voltage range is 12-48v
  It can control 4 independent LED outputs, or single RGB dimming relay output, with the maximum load current of 16A
- Installation: DIN rail
  Dimension: 72×90×58 mm

1-Channel 700W Dimming Slave Module
MK2007S

- Made in Italy
- A KNX slave interface
- KNX bus driver control the brightness of lighting devices, such as 230 volt incandescent lamps and halogen lamps.
- Support front edge and back edge dimming
- Prptocol: KNX
- Installation: DIN rail
  Dimension:72×90×58 mm

8-Channel 16A Universal Switch Module
MK2008

- Made in Italy
- A KNX bus interface
- The device has 8 outputs, each of them can be configured separately to control light / load, or in pairs to control roller shutter and shutter With 4 Channels: A/B
- Installation: DIN rail
- Dimension: 72×90×58 mm
- Passed the quality inspection

4-Channel 300W Dimming Module
MK2010

- Made in Italy
- A KNX bus interface
- KNX bus driver control the brightness of lighting devices, such as 230 volt incandescent lamps and halogen lamps.
- It can automatically identify the type of connected load
- Support front edge and back edge dimming
  Installation: DIN rail
  Dimension:142×90×60 mm

12-Channel 16A Universal Switch Module
MK2012

- Made in Italy
- A KNX bus interface
- The device has 12 outputs, each of them can be configured separately to control light/load, or in pairs to control roller shutter and shutter With 6 Channels: A/B
- Installation: DIN rail
- Dimension:159×90×58 mm

Host Products KNX 3.3.1

KNX To USB Module
MK7000

- Made in Italy
- A KNX bus interface and a USB interface
- Connect the computer via USB to program or monitor KNX
- Dimension: 20×90×58 mm

KNX/IP interface
MK7001

- Made in Italy
- A KNX bus interface and a RJ45 interface
- Connect PC to KNX / EIB network through LAN (IP) interface
- IP addresses can be dynamically assigned through a
- DHCP server or manual configuration (ETS software)
  Dimension: 36×90×58 mm

POE power supply KNX/IP gateway
MK7021

- Made in Italy
- A KNX bus interface and a RJ45 interface
- It can be used as a fast trunk line to send control messages between different branches through LAN (IP); used as a programming interface to connect PC with KNX bus (for example, ETS programming). IP addresses can be dynamically assigned through a DHCP server or manual configuration (ETS software); used according to KNXnet / IP specification and operated with core, device management, tunnel and routing functions.
  Can send control messages in bi-directions; can buffer up to 150 control signal messages due to filter table
- Dimension: 36×90×58 mm

640mAh Power Supply
MK7009

- Made in Italy
- The built-in choker of bus voltage band can be provided for a circuit with no more than 64 bus devices, which is used to isolate the power
- supply of the bus, interrupt the voltage and
- reset the bus devices connected in the circuit.
- Installation: DIN rail
  Dimension: 107×90×58 mm

Web server gateway
MK7012

- A KNX bus interface
- Built in a 485 interface, a 232 interface, 2 USB interfaces and a high-speed Ethernet interface Support web browser, IOS and Android client app access
- Support no more than 1400 KNX group addresses
- Installation: DIN rail
- Dimension: 89×98×62 mm
  Protocol: Modbus

Line Coupler
MK7002

- Made in Italy
- Used for logic connection and current isolation in the branch line and area; used as branch line coupler to connect the branch line with the main line, or backbone coupler to connect the main line with the backbone line
- Support long message (up to 250 bytes)
- transmission.
  The front keys can be configured with special functions, which are very useful during commissioning, installation or fine-tuning
  Dimension: 36×80×58 mm

RS485 converter
MT5022

- KNX to 485 module
- Power Supply: 21-30VDC
- Operating Current: 12mA
- Protocol: RS485
- Support predefined serial communication processing
- Installation: 35mm DIN rail
- Dimension:64×90×36mm

smart moorgen home

Security Products KNX 3.4.1

Inwall 3 Input / 2 Output Module
MK8003

¥2750

- Made in Italy
- A KNX bus interface
- 2 digital inputs, 1 analog input, 2 relay outputs (bistable)
- After the digital input is connected with the zero potential contact, it can be connected to sensors, conventional buttons, etc, which can control on/off, dimming, shutter, scene memory, and can also sort three objects; Analog input controls a temperature measuring probe (On/Off) or a thermostat heating and cooling devices, valves, 2 and 4 duct ventilation coils, etc

- The analog input can replace the temperature sensor to adjust the infrared receiver (Irx), and control the infrared remote controller (IRC) with on/off command, scene setting, two object sorting functions, dimming and curtain functions through the bus.
- There are up to 8 channel inputs.
- Output: timing relay conversion function, stair function, scene recall function, locking function and logic function
- Dimension:52×28 mm

4 Input/4 LED Output Wall Mounted Module

MK8009

¥1375

- Made in Italy
- A KNX bus interface
- After the digital input is connected with the zero potential contact, it can be connected to sensors, conventional buttons, etc, which can be used for on/off, dimming, shutter control, scene recall and control,etc.
- 4 digital inputs, 4 LED indication outputs

- Installation: Standard bottom box
- Dimension:43×36×17mm

Ceiling Duty/Light Sensor
MK5010

¥3750

Φ98mm
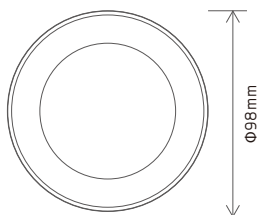
- Made in Italy
- A KNX bus interface
- Detect motion, presence, and ambient light level Remote control via infrared: The infrared command is converted into the corresponding data control signal (Up to 6 signals). During brightness related motion detecting, the device will continuously detect the indoor brightness. When the natural light is sufficient, the light will turn off even if someone is there.
- The delay time can be set through ETS
- Installation: Wall embedded
- Dimension:98×50 mm

Motion Sensor
MK5026

2022.02
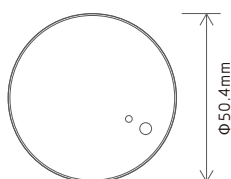
Φ50.4mm

- Protocol: KNX
- Installation: Ceiling installation Detect human
- motion and ambient light level
- Dimension:Φ50.4 mm

Cloud to Cloud integration ——
Topological line ——

Third-party APP

Third-party products

Moorgen Wired APP

Moorgen Wireless APP

Third-party Cloud platform or real estate

2 3 4 5

1

Alibaba Cloud

Moorgen Cloud

Eco-products

1

PLC Host

5

64 nodes

Wireless Cloud System

PLC Product

CAN Host

4

Host Panel Private Protocol (expandable)

Wireless and Open APP

40 nodes

200 nodes totally 50 nodes per host panel

CAN Product

Mo-Bus Host

3

ZigBee Private Protocol Product

Host Panel Open Protocol (expandable)

60 nodes

PLC Gateway

2

200 nodes totally 50 nodes per host panel

64 nodes

CAN Gateway

40 gateways

KNX Gateway

ZigBee Open Protocol Product

Moorgen Host

Mo-Bus Product

40 nodes

960 nodes

ZigBee Gateway (expandable)

Mo-Bus Gateway

ZigBee private protocol Product

50 nodes

30 nodes

4.4 K N X Bus System

Smart Phone

4G

Cloud Server

KNX
TCP/IP
AC 220V
DC 5-36V

Router

24-port Industrial Switchboard
A KNX system can connect up to 50000 KNX devices

Smart Host

KNX/IP Switch Gateway

A 24-port industrial switchboard can connect up to 24 network devices

SystemPower Supply

Spot Light

Spot Light On/Off Driver

or

Light Strip StripOn/Off Driver

Aircon

Ventilation

Control On/Off of 4-Channel spot light or light strip

Branch Coupler Device 1

Power Supply Device 2

4-Channel On/Off Actuator Device 3

Fan Coil Actuator Device 4

Fan Coil Actuator Device 5

A branch coupler can connect up to 64 devices

Branch Coupler Device 1

Power Supply Device 2

Presence Sensor Device 3

Light Sensor Device 4

Solar Light Sensor Device 5

Electric Roller Shutter KNX Motor Device 6

A branch coupler can connect up to 64 devices

Branch Coupler Device 1

Power Supply Device 2

Smart PanelD evice 3

3-Gang Smart Panel Device 4

2-Gang Smart Thermostat Panel Device 5

A branch coupler can connect up to 64 devices

Branch Coupler Device 1

Power Supply Device 2

KNX/DALI Gateway Device 3

KNX/DALI Gateway Device 4

A branch coupler can connect up to 64 devices

A KNX/IPswitch gateway can connect up to 15 branch coupler

Connect to DALI dimming driver of 64-channel spot light and light strip

Connect to DALI dimming driver of 64-channel spot light and light strip

Spot Light

+

or

Spot Light Dimming Driver

Light Strip

+

Dimming Driver

Spot Light

+

or

Dimming Driver

Light Strip

+

Dimming Driver

moorgen