

الرووف
LIGHTING TECHNOLOGY CO.Ltd.



شركة الرووف
لتقنية الإنارة المحدودة

SMART LIGHTING. INTELLIGENT SPACES.



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شركة الرووف
لتقنية الإنارة المحدودة

PRODUCT CATALOG 2026

Smart Lighting Solutions
حلول إنارة ذكية

- Wireless Kinetic Switches
- RF Controls
- Smart Building Systems
- Integrated Solutions

Illuminating Smarter Spaces. Enriching Lives.

At Alrouf Lighting, we combine intelligent technology, elegant design, and reliable performance to deliver future-ready lighting solutions for modern living and working environments.

From concept to completion, we empower spaces with light that enhances comfort, productivity, and well-being.



Our Vision

Driving a greener future through innovation in electrical intelligence.



Our Mission

To be a trusted lifelong partner in electrical intelligence.

About Alrouf

Alrouf Lighting Technology Co. Ltd. is a leading provider of smart lighting solutions and control systems. We specialize in wireless technologies, energy-efficient systems, and intelligent controls that elevate the way people experience and manage light.

Our solutions are designed to bring together aesthetics, functionality, and technology—delivering seamless integration, enhanced user experiences, and long-term sustainability for a wide range of projects.



Core Strengths



Innovative Smart Lighting Solutions

Advanced, scalable systems that adapt to your space and lifestyle.



Wireless Control Expertise

Reliable wireless technologies for effortless control and seamless integration.



Design Flexibility

Elegant, minimal designs that complement every architectural vision.



Quality & Reliability

Built to the highest standards for long-term performance and peace of mind.



Project Support

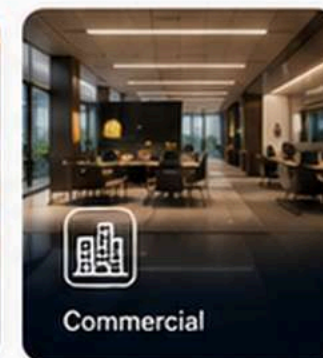
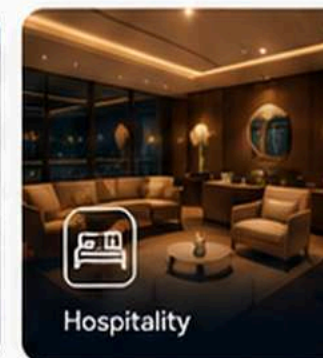
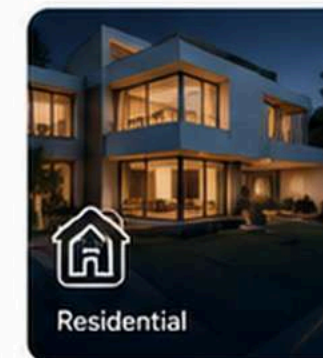
Dedicated technical support through every stage of your project.



Sustainable Efficiency

Energy-efficient solutions that reduce consumption and environmental impact.

Application Areas















CONTENTS

SMART LIGHTING SOLUTIONS

حلول إنارة ذكية

-  Wireless Kinetic Switches
-  RF Controls
-  Smart Building Systems
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SMART LIGHTING CONTROL SOLUTIONS

Integrated wireless control solutions for residential, commercial, hospitality and smart-building projects.

Designed to simplify installation, reduce maintenance, and deliver flexible control for modern lighting systems.

NO WIRES

Self-powered switching

NO BATTERIES

Maintenance-free control

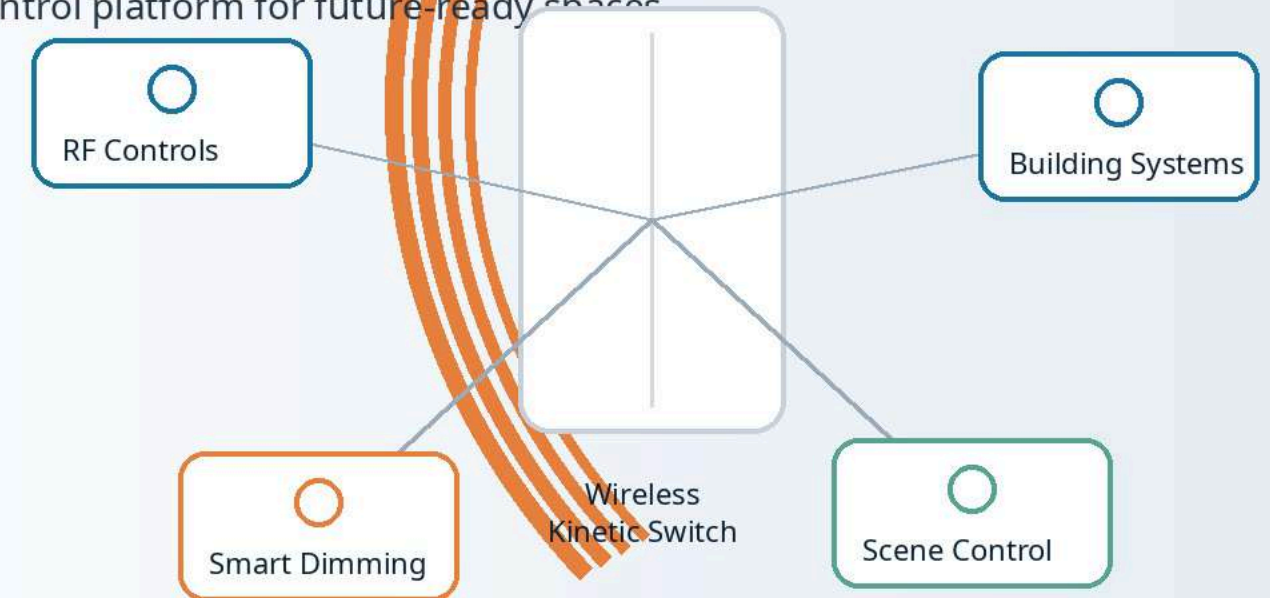
SMART CONTROL

RF, Tuya, Casambi and more

Battery-Free. Maintenance-Free.

Wireless Kinetic Switch

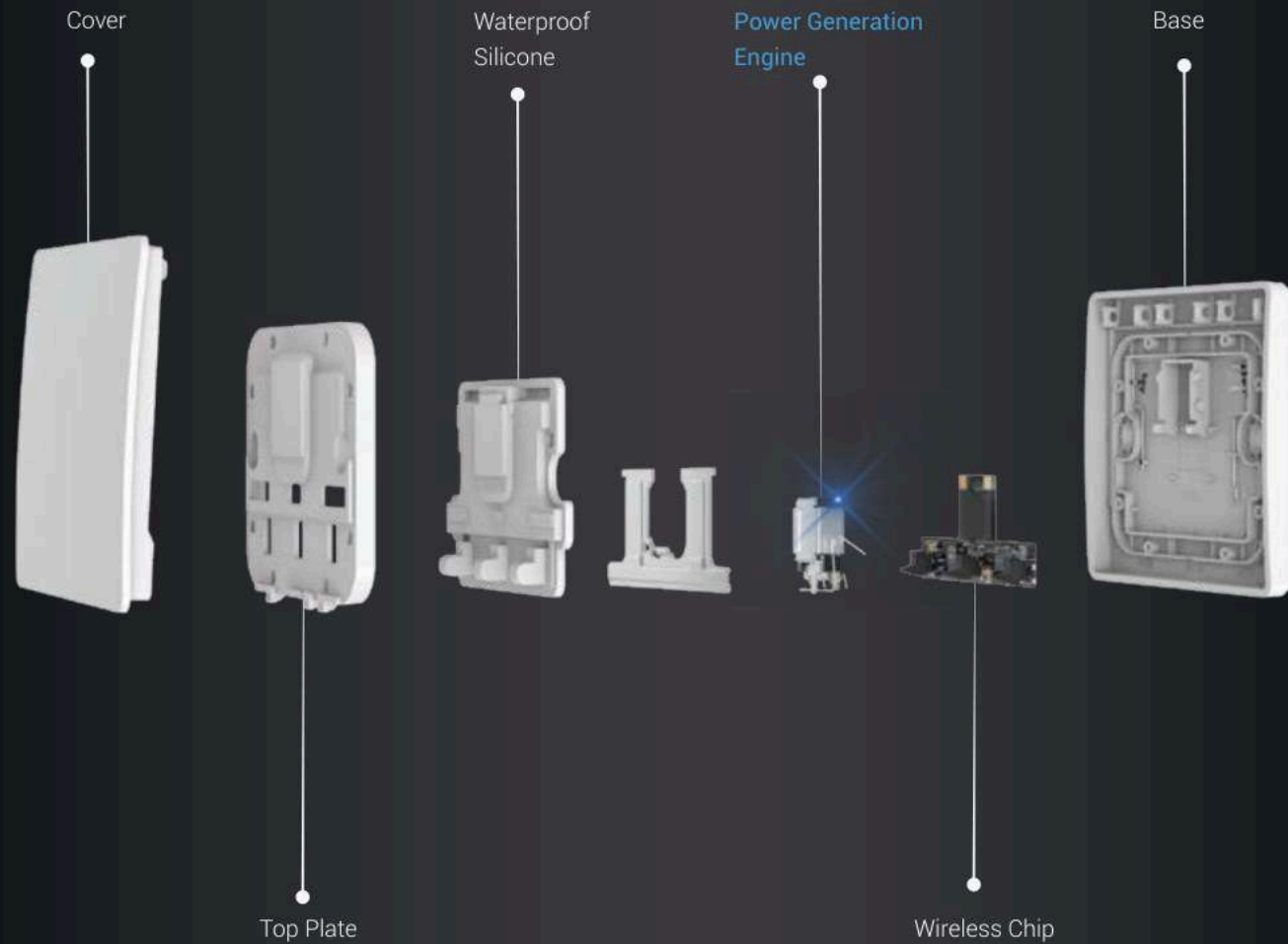
By leveraging micro-kinetic energy harvesting technology, each switch press generates the power needed to transmit wireless commands - with no wiring, batteries, or routine replacement work. The result is a reliable, flexible lighting control platform for future-ready spaces.



Wireless protocols and platforms

- RF 433 MHz
- RF 447 MHz
- RF 923.6 MHz
- Zigbee
- Casambi
- Tuya
- Home Assistant

Wireless Kinetic Switch



Wireless communication protocols



Bluetooth | Zigbee Green Power | 2.4GHz

Wireless Kinetic Switch

Type Overview



Remote



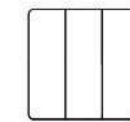
Portable



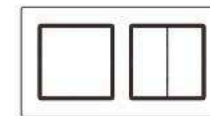
Self-Powered

kinetic switch

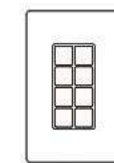
Wireless Kinetic Switch



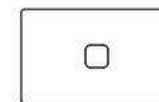
86mm Switch



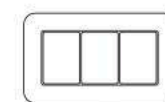
Double 86mm Switch



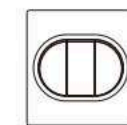
US Standard



Australian Standard



Japanese Standard



French Standard

Remote switch



Key Fob Switch



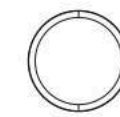
Key Fob Switch



Pocket Switch



Push button



Micro Kinetic Push Button



Wireless Kinetic Push Button



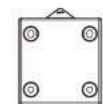
Wireless Kinetic Push Button



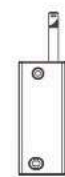
Door/Window Sensor



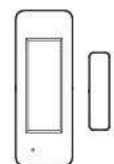
Kinetic Door/Window Sensor



Kinetic Door/Window Sensor



Kinetic Door/Window Sensor



Kinetic Solar Door/Window Sensor



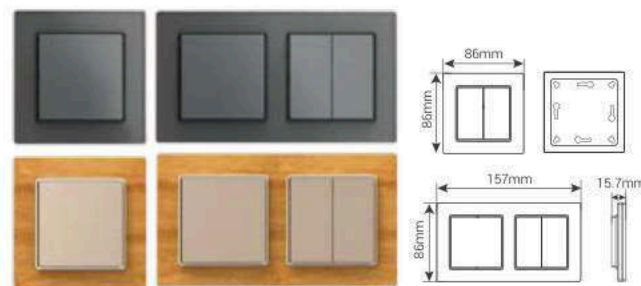


European Design Wireless Kinetic Switch

>> Premium Wireless Kinetic Switch

- > Wood, glass, acrylic type
- > No wires, no batteries, no limits

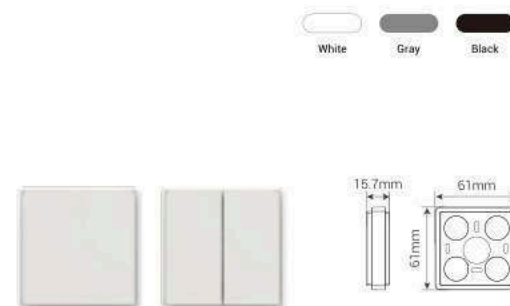
Model	E4
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



>> 61mm Wireless Kinetic Switch

- > Surface-mounted installation by pasting or screws
- > Composed of two parts: the key module and the surface-type junction box
- > The internal module needs to distinguish the upper and lower directions

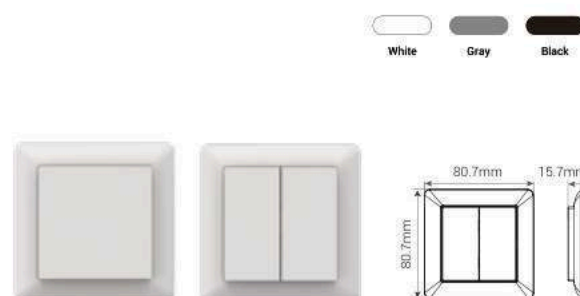
Model	E4-SU
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



>> Classic 86mm Wireless Kinetic Switch

- > Surface-mounted installation by pasting or screws
- > Composed of two parts: the key module and the outer plastic frame
- > Classic 86mm size, support classic switch junction boxes

Model	E4-A
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



>> 86mm Wireless Kinetic Switch

- > Plastic material, classic 86mm size
- > The internal module needs to distinguish the upper and lower directions

Model	E2
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Mechanical Life	>100,000 times
Colors	White, Black, Grey



European Design Wireless Kinetic Switch

>> Modular Wireless Kinetic Switch System

Product Features

Designed with a modular structure, the system supports multiple frames and mounting options, enabling flexible installation across different applications. A range of interchangeable faceplates is available to suit diverse aesthetic preferences, each crafted to complement minimalist European design while enhancing both style and functionality in any space.

MEA module

Harvests kinetic energy generated by pressing, converting it into electrical energy to power wireless signal transmission.



⚠ Attention

The MEA module is directional. Please ensure it is installed according to the laser-engraved orientation mark.

Different frames



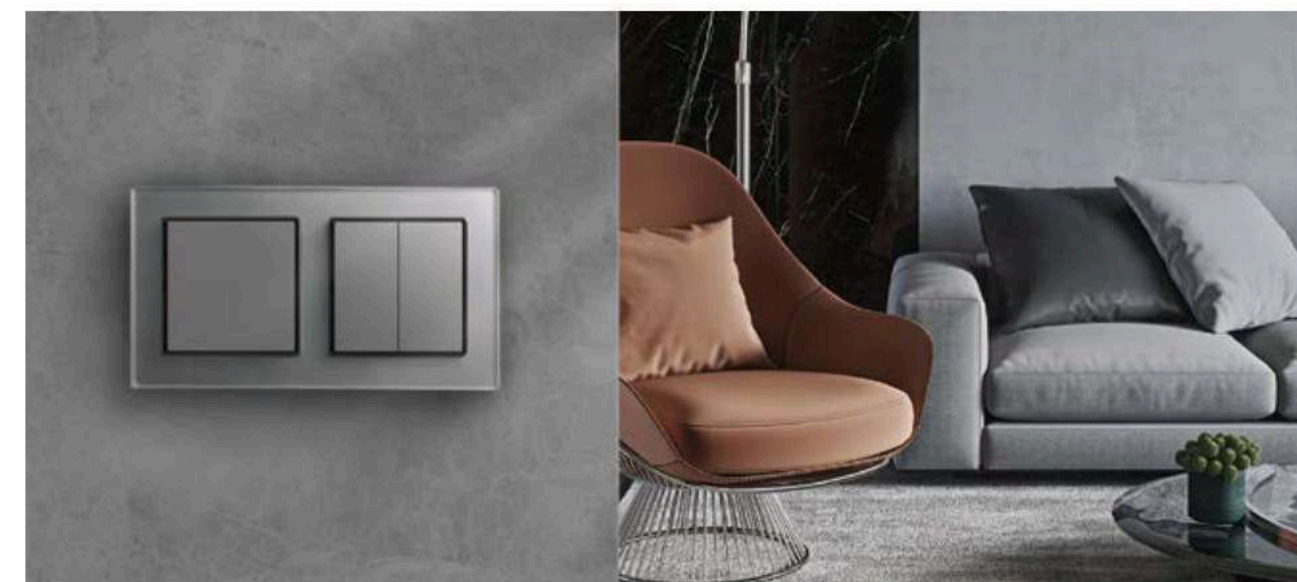
Bottom boxes



Installation method



Installation method



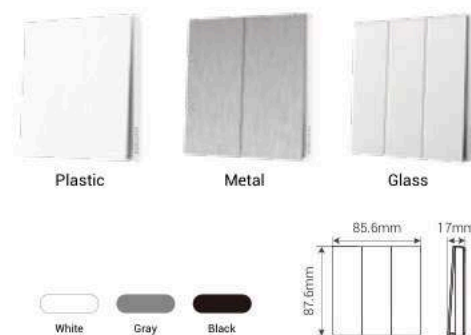


86mm Wireless Kinetic Switch

>> IP67 Wireless Kinetic Switch

- > Waterproof, able to be used in the bathroom
- > Dimmable, support long press dimming with Controllers
- > Support plastic, glass, brushed metal panel for a more luxurious and elegant

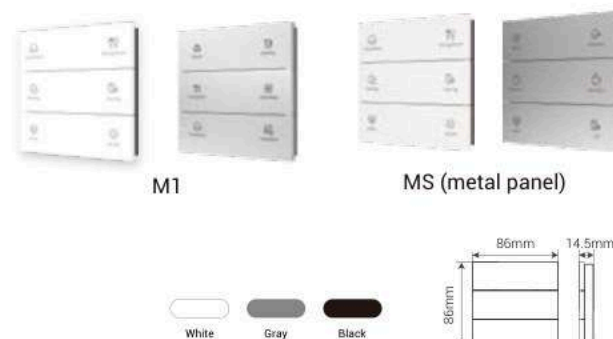
Model	A2
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1, 2, 3
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



>> Wireless Kinetic Scene Panel

- > Six keys remote scene panel
- > Customize button functions and laser engraving

Model	M1 / MS
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	6
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



>> IP67 On/Off Wireless Kinetic Switch

- > Supports the side-by-side installation
- > Waterproof, able to be used in the bathroom

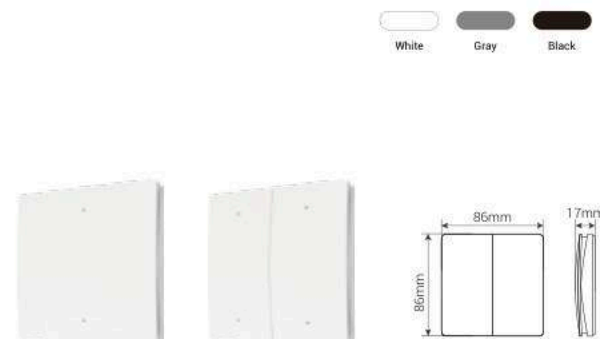
Model	A1
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1, 2, 3
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



>> Wireless Kinetic Switch

- > Rebound type, dimmable kinetic switch
- > Support custom radium carving

Model	S3
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



86mm Wireless Kinetic Switch

>> IP67 Wireless Kinetic Switch

- > IP67-rated, able to be used in outdoor gardens
- > Dimmable, support long press dimming with Controller s

Model	S2
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
IP	IP67
Buttons Options	1, 2, 3
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



Slim Wireless Kinetic Switch

>> Wireless Kinetic Transmitter Module

- > Battery-free, maintenance-free
- > Slim and elegant design
- > One-touch control, multiple applications
- > Dual-switch magnetic base

Model	N1
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)

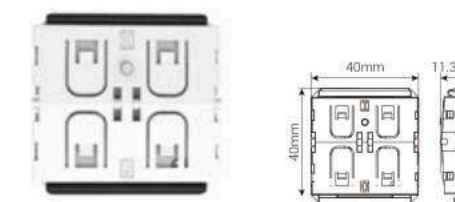


Wireless Kinetic Transmitter Module

>> Wireless Kinetic Transmitter Module

- > Self-powered, no wiring required, no batteries to replace
- > Can be used with a variety of switch appearances

Model	EMT08
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times





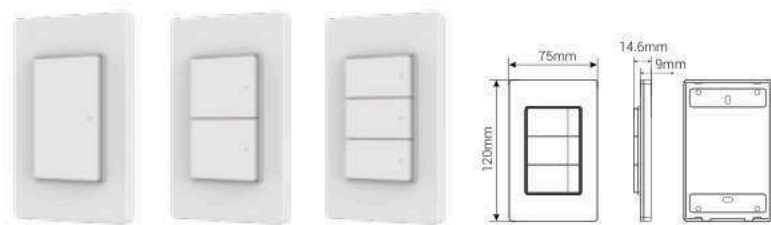
118mm Wireless Kinetic Switch

>> 118mm wireless kinetic switch

- > Designed based on the 118-type form factor
- > 1 key/2 key/3 key Options
- > Multiple color options available
- > Customizable glass panel
- > No wiring required, flexible installation
- > Supports pairing with RF controller for use



Model	R1
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1, 2, 3
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



US Standard Wireless Kinetic Switch

>> Magnetic Wireless Kinetic Switch

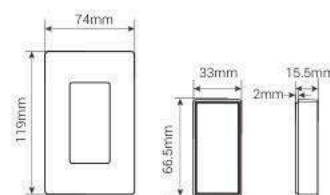
- > US standard size
- > The button can be removed and put back at will
- > Composed of three parts: magnetic button, button base and face cover



Model	U1
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



Magnetic type
Magnetic design, support to remove the switch department



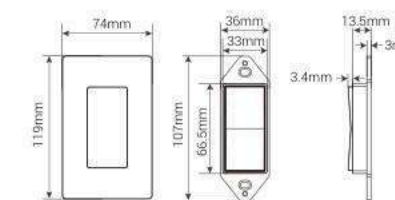
US Standard Wireless Kinetic Switch

>> Wireless Kinetic Switch

- > US standard size
- > The button is fixed on the switch and cannot be removed
- > Composed of two parts: kinetic button and face cover

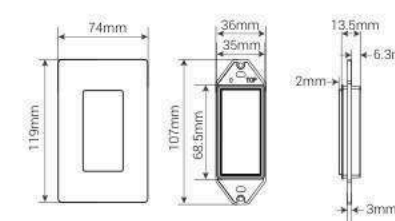


Model	U2
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



Surface mounted type

Embedded bottom box type

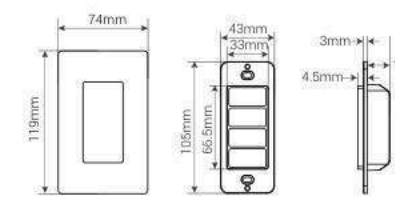


>> Multi-button Wireless Kinetic Switch

- > US standard size
- > The button is fixed on the switch and cannot be removed
- > Support the selection of 4,6,8 keys to adapt to more scenarios

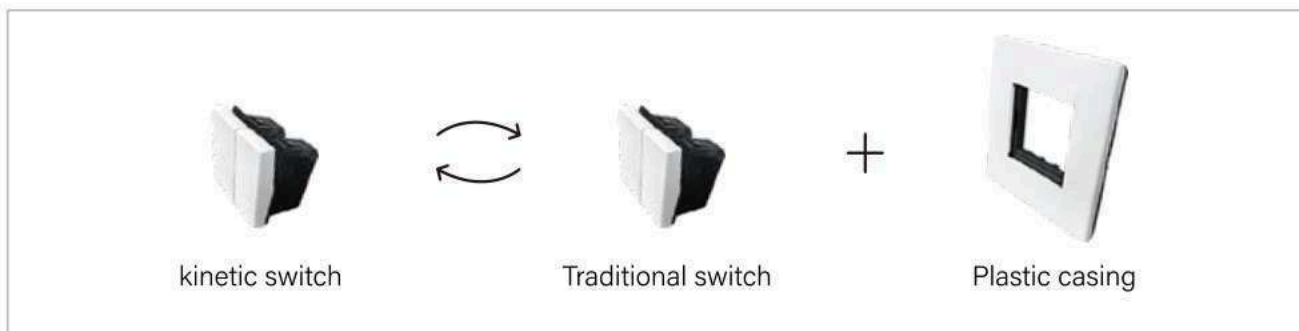


Model	U4
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4, 6, 8
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)





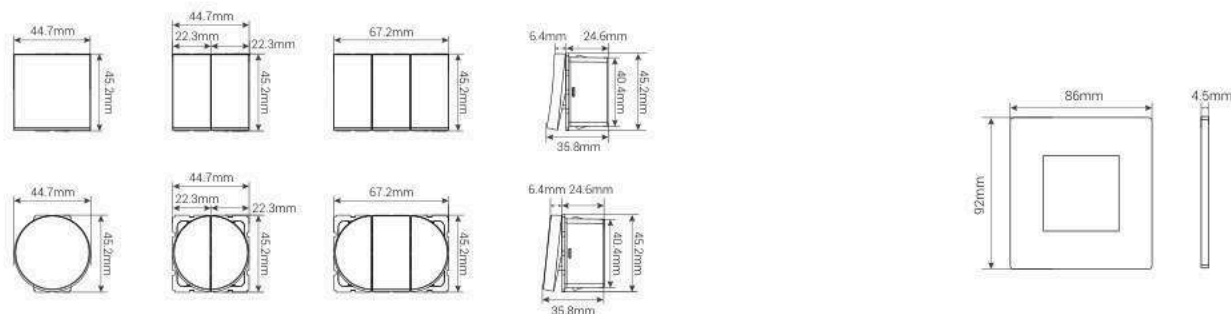
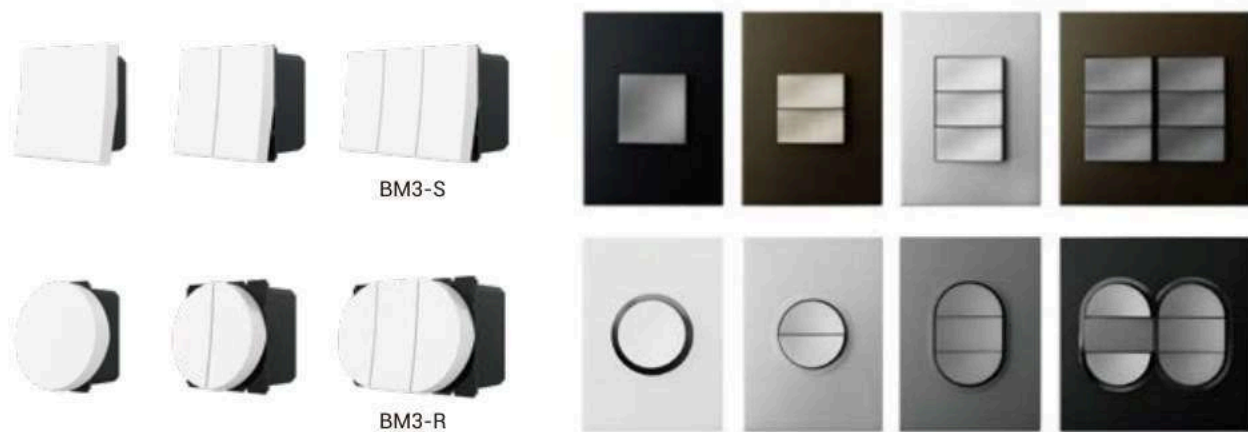
Modular Wireless Kinetic Switch



>> Arto-Style Wireless Kinetic Switch

- > Design compatible with Legrand Arto series.
- > Just replace the traditional switch modular with **Alrouf** kinetic modular
- > Update the old traditional switch in your home

Model	BM3-S/BM3-R
Frequency	RF 433 MHz, RF 447MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1, 2, 3
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)

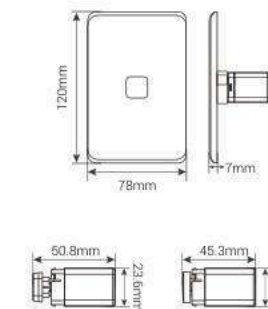


Modular Wireless Kinetic Switch

>> Australian Standard Wireless Kinetic Switch

- > Traditional 118mm size, commonly found in countries such as Australia
- > Just replace the traditional switch modular with **Alrouf** kinetic modular
- > Update the old traditional switch in your home

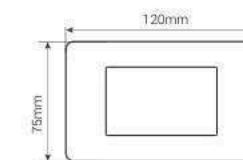
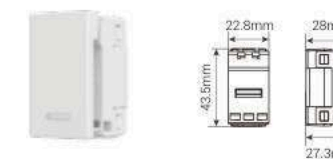
Model	BM13
Frequency	RF 433 MHz, RF 447MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black (Available in custom colors)



>> Panasonic-Style Modular Switch Module

- > Suitable for Panasonic 120 type switch panel
- > Update the old traditional switch in your home
- > No wiring, save wiring cost, free combination of keys

Model	BMJ01
Frequency	RF 923.6MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available in custom colors)



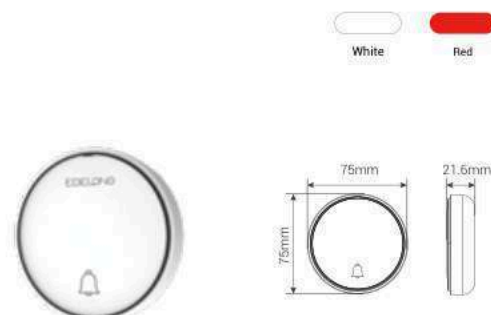


Wireless Kinetic Push Button

>> Wireless Kinetic Push Button

- > Circular appearance, transparent/white face cover options
- > Customize button functions and laser engraving

Model	QME
Frequency	RF 433 MHz, RF 477MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Red (Available in custom colors)



>> IP67 Wireless Kinetic Push Button

- > IP67-rated, able to be used in outdoor gardens
- > Customize button functions and laser engraving

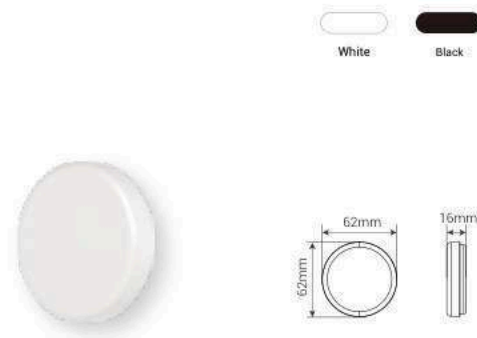
Model	Q3
Frequency	RF 433 MHz, RF 477MHz
Power Supply	Self-Powered
Switch Type	Push-Button
IP	IP67
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black (Available in custom colors)



>> Wireless Kinetic Push Button

- > A circular push button that supports tapping
- > Suitable as a bedside table button or a small scene button
- > Customize button functions and laser engraving

Model	Q7
Frequency	RF 433 MHz, RF 477MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black (Available in custom colors)

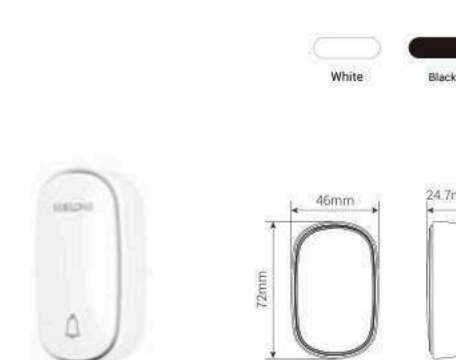


Wireless Kinetic Push Button

>> IP54 Wireless Kinetic Push Button

- > Self-powered, no wiring required, no batteries to replace
- > Easily Connected to an RF or Tuya solution as a transmitter

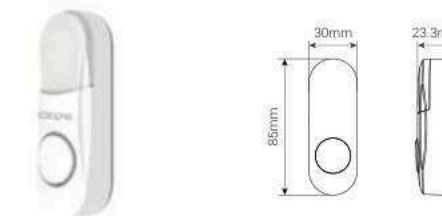
Model	Q2
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
IP	IP54
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black (Available in custom colors)



>> Wireless Kinetic Push Button

- > Self-powered, no wiring required, no batteries to replace
- > Inaccessible to dust and can withstand low-pressure water jets

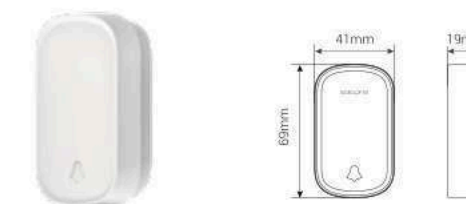
Model	Q5
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White (Available in custom colors)



>> Wireless Kinetic Push Button

- > Self-powered, no wiring required, no batteries to replace

Model	Q8
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White (Available in custom colors)





Kinetic switch

Micro Remote Wireless Kinetic Switch

>> Kinetic Pocket Switch

- > Pocket-sized switch, smaller, easy portability
- > Magnetic base design, can be easily removed after installation
- > Dimmable, support works as a pocket scene switch

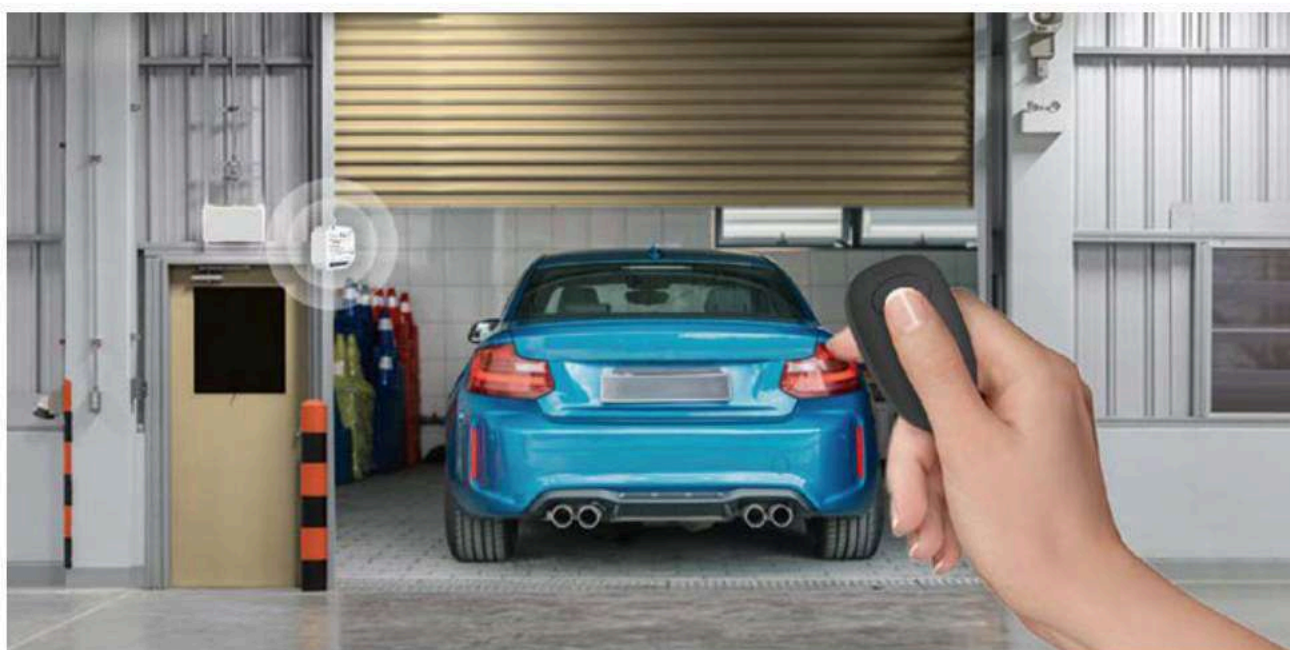
Model	P1
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Customizable Colors	White



>> Wireless Kinetic Key Fob Switch

- > Key Fob Switch, which can be attached to your key
- > Extremely small, hold it in your hands

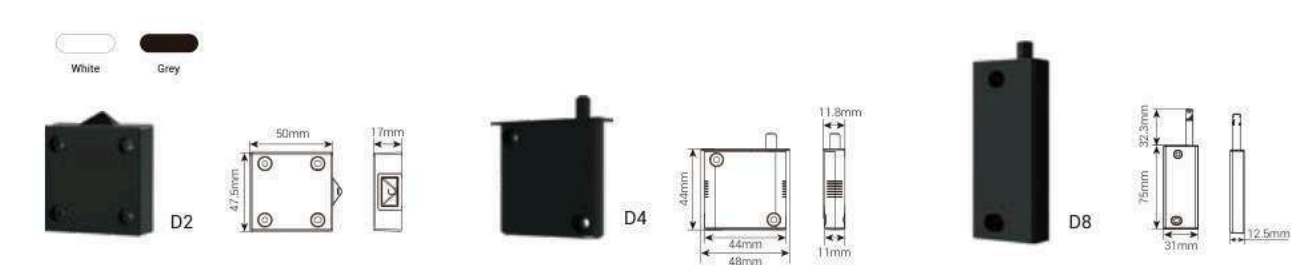
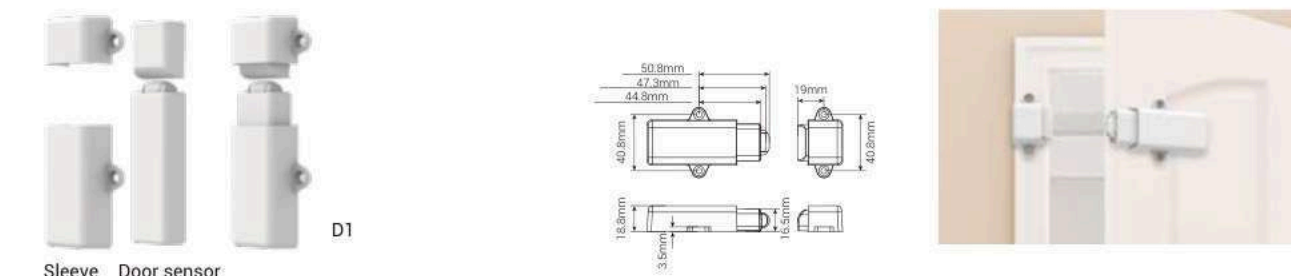
Model	K1/KN
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1/1, 2, 4
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Customizable Colors	White, Black



Self-Powered Door/Window Sensor

>> Kinetic Door/Window Sensor

- > Self-powered, no wiring required, no batteries to replace
- > Three types: surface type, classic size type, and recessed type
- > Easily connected to an RF or Tuya solution as a transmitter
- > Touch to open, perfect for handleless doors of closets and cabinets

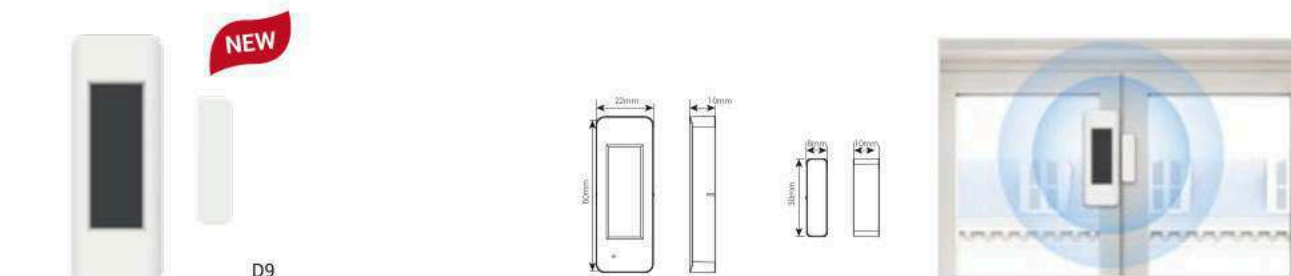


Model	D1/ D2 / D4 / D8
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Mechanical Life	>100,000 times
Colors	White, Black (Available in custom colors)

Model	D9
Frequency	RF 433 MHz
Power Supply	Solar-powered
Switch Type	Push-Button
Mechanical Life	>100,000 times
Colors	White (Available in custom colors)

>> Solar Door / Window Sensor

- > Permanent Solar Power, Self-powered, Magnetic Reed Switch Design
- > Fade-Resistant housing and IP67 Rating, Designed for Outdoor Installation
- > Direct Pairing with Controller – No Gateway Required
- > Ultra-Low Power and Efficient Communication



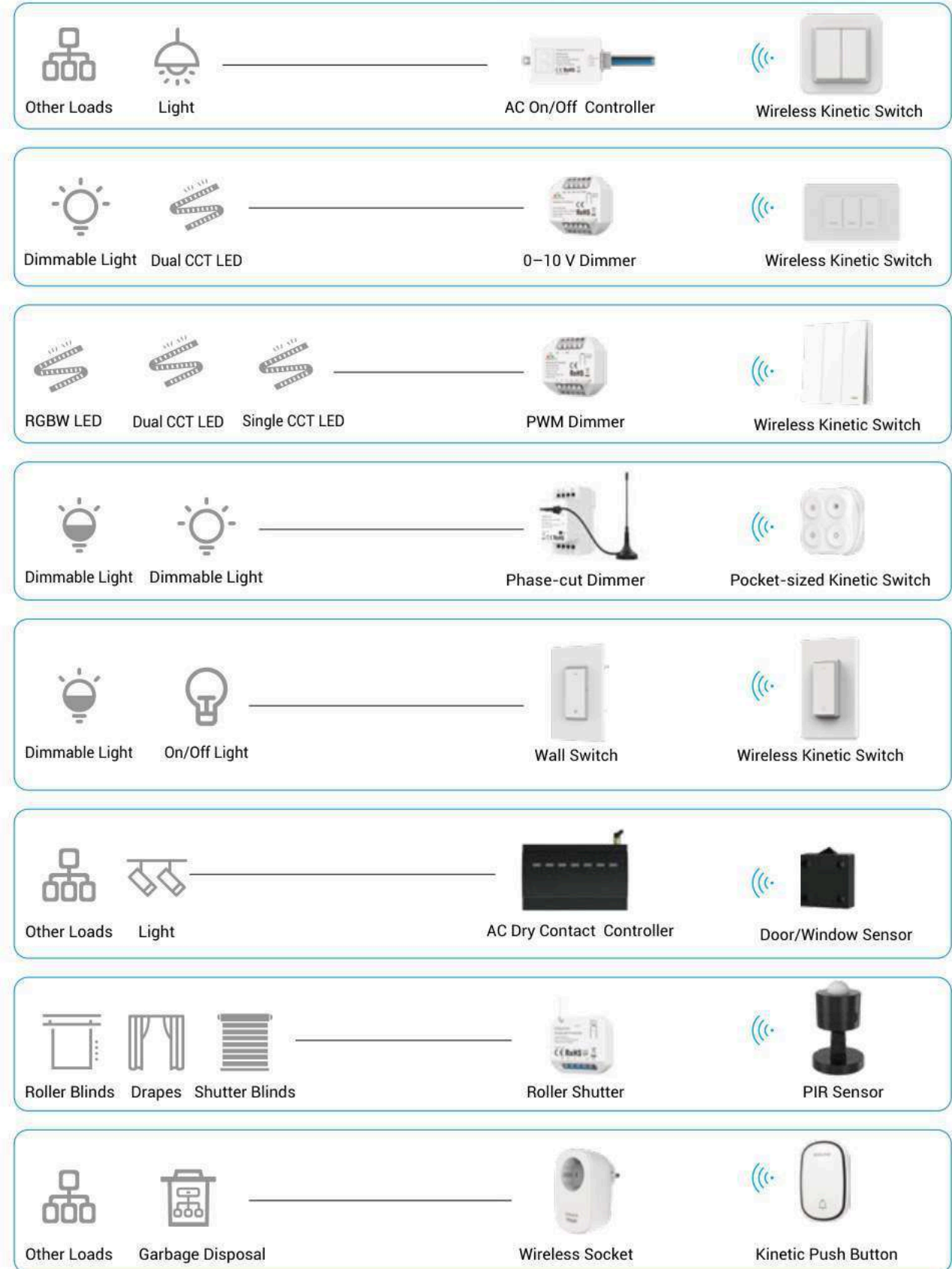


RF Series

System Overview

RF Receiver Controllers

Wireless Kinetic Transmitters



RF Series

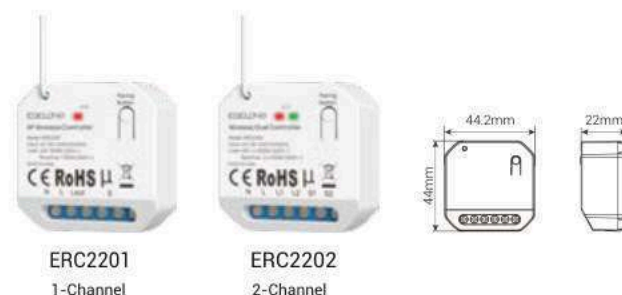
RF Series ((RF))

On/Off Controller

>> 1- & 2-Channel Compact On/Off Controller

- > Extremely small size, can be stored in the switch bottom box
- > Only On/Off control,
- > 1/2 channel selection

Model	ERC2201 / ERC2202
Frequency	RF 433 MHz & RF 447MHz
Power Supply	AC 100-240 V
Relay	8A / 8A*2
Resistive Load Per Channel	5A/220V AC
Max LED Load Per Channel	500W~220V



>> 3-Channel Compact On/Off Controller

- > 3 Channel Options
- > Ultra-Compact Design – Easy to Install
- > On/Off Output – Drives Loads Directly

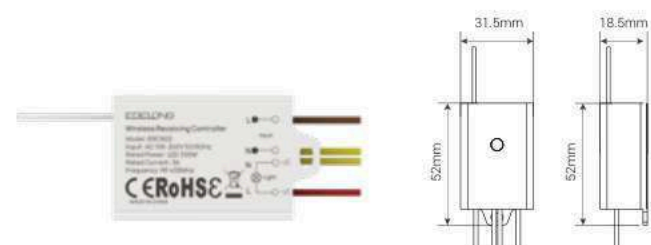
Model	ERC22A03
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Control Component	Relay
Output Channel	3
Wired Switch	Push button /Rocker switch
Relay	8A*3
Max.Load	LED 500W, Resistive 1000W



>> Compact On/Off Controller

- > Extremely small size Controller
- > Suitable for US standard
- > Only On/Off 1 channel control

Model	ERC902
Frequency	RF 433 MHz & RF 447MHz
Power Supply	AC 100-240 V
Relay	8A
Resistive Load Per Channel	5A/220V AC
Max LED Load Per Channel	500W~220V

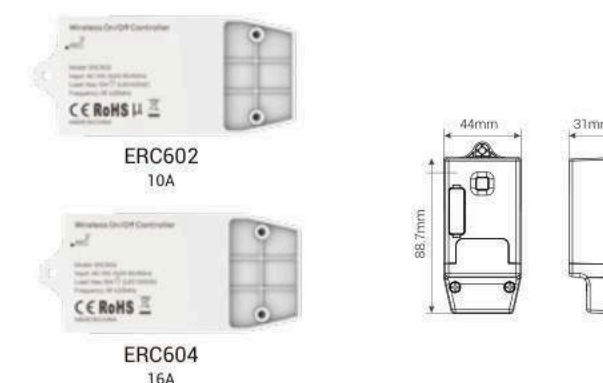


On/Off Controller

>> On/Off Controller

- > Mounted-outside type, can be pasted above the ceiling
- > Only On/Off 1 channel control
- > 10A/16A selection

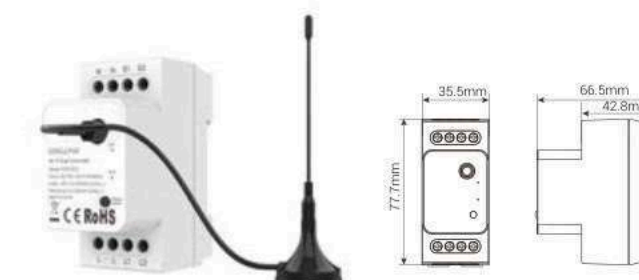
Model	ERC602 / ERC604
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	10A / 16A
Resistive Load Per Channel	6A/220V AC / 10A/220V AC
Max LED Load Per Channel	600W~220V / 1000W~220V



>> DIN-Rail On/Off Controller

- > Classic DIN-Rail installation
- > Only On/Off control, 16A, 2 channel

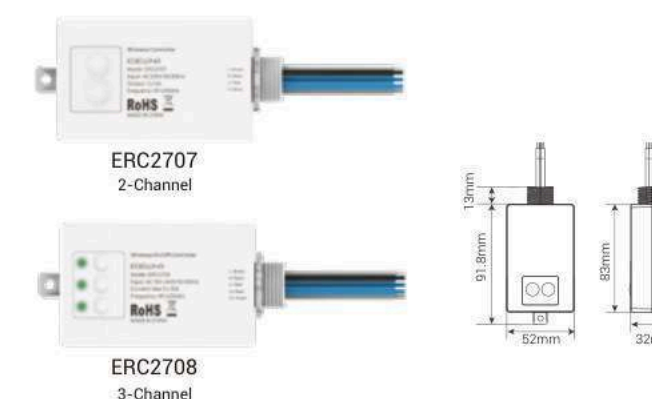
Model	ERC2102
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	16A*2
Resistive Load Per Channel	10A/220V AC
Max LED Load Per Channel	1000W~220V



>> 2- & 3-Channel On/Off Controller

- > Suitable for US standard screw mounting
- > Only On/Off control, 2/3 channel selection

Model	ERC2707 / ERC2708
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	16A*2 / 16A*3
Resistive Load Per Channel	10A/220V AC
Max LED Load Per Channel	1000W~220V



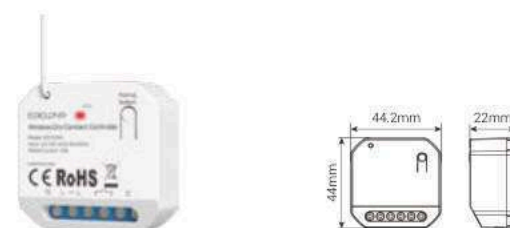
RF Series ((RF))

Dry Contact Controller

>> Compact Dry Contact Controller

- > Extremely small size Dry Contact Controller
- > Only On/Off 1 channel control
- > Support Japanese standard

Model	ERC2204
Frequency	RF 433 MHz & RF 923.6MHz
Power Supply	AC 100-240 V
Relay	16A
Relay Type	SPST
Wired Switch	Support push & rocker button



>> DIN-Rail Dry Contact Controller

- > Classic DIN-Rail installation
- > Relay 16A 1 channel On/Off control

Model	ERC2104
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	16A
Relay Type	SPST
Wired Switch	Support push & rocker button



>> Dry Contact Controller

- > Suitable for US Standard screw mounting
- > Relay 30A 1 channel On/Off control

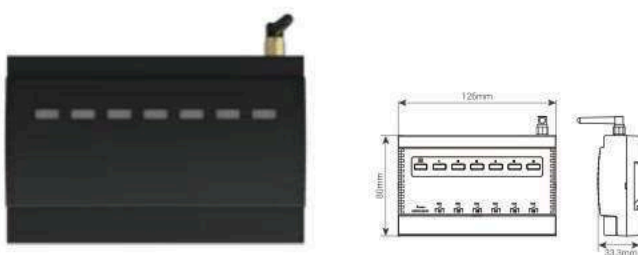
Model	ERC2701
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	30A
Relay Type	SPST
Wired Switch	Support push & rocker button



>> 6-Channel DIN-Rail Dry Contact Controller

- > Classic DIN-Rail installation
- > 6 channel On/Off control

Model	ERC101
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	16A
Isolated Power Supply	yes
Relay Type	SPST



DC-Powered Dry Contact Controller

>> Compact AC/DC Dry Contact Controller

- > 1-Channel / 2-Channel Options – Flexible Use
- > Ultra-Compact Design – Easy to Install
- > Dry Contact Output – Universal Integration

Model	ERC22A02
Frequency	RF 433 MHz
Power Supply	AC 100-240 V / DC12-100V
Control Component	Relay
Output Channel	1
Relay	8A*2
Wired Switch	Support push & rocker button



>> Compact DC Dry Contact Controller

- > Extremely small size, can be stored in the switch bottom box
- > 1 channel DC On/Off control

Model	ERC2209
Frequency	RF 433 MHz & RF 447MHz
Power Supply	DC 8-48 V
Relay	5A
Relay Type	SPST
Wired Switch	Support push & rocker button



>> DIN-Rail DC Dry Contact Controller

- > Classic DIN-Rail installation
- > 1 channel DC On/Off control

Model	ERC2105
Frequency	RF 433 MHz
Power Supply	DC 8-36V
Relay	16A
Relay Type	SPST
Wired Switch	Support push & rocker button



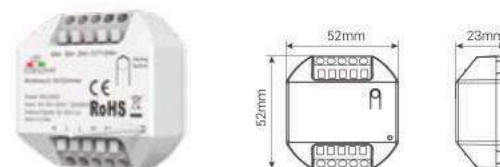
RF Series ((RF))

0-10 V Dimmer

>> 2 -Channel Compact 0-10V Smart Dimmer

- > Compact size
- > 1× CCT mode / 2× Dim mode

Model	ERC2302
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Maximum Signal Output Current	30mA
Wired Switch	Support push & rocker button



>> 2 -Channel DIN-Rail 0-10V Dimmer

- > Classic DIN-Rail installation
- > 1× CCT mode / 2× Dim mode

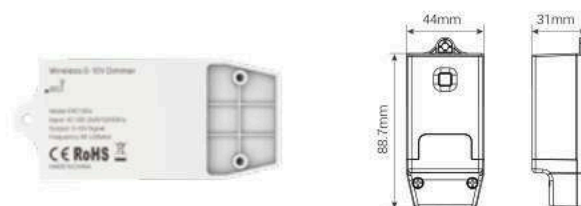
Model	ERC2106
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Maximum Signal Output Current	30mA
Wired Switch	Not support



>> 0-10V Dimmer

- > Mounted-outside type, can be pasted above the ceiling
- > 1 channel 0-10 V dimming

Model	ERC1204
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Maximum Signal Output Current	30mA



>> 0-10V Dimmer (with Relay 30A)

- > Suitable for US standard screw mounting
- > Relay 30A 1 channel 0-10 V dimming

Model	ERC2706
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	30A
Maximum Signal Output Current	30mA
Wired Switch	No Support



Phase-cut Dimmer

>> Compact Phase-cut Dimmer

- > Extremely small size, can be stored in the switch bottom box
- > 1 channel 150W, support leading / trailing edge dimming

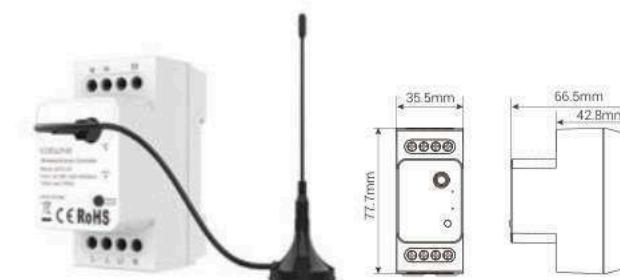
Model	ERC2203
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Phase Cutting Method	Leading / Trailing Edge Dimming
Component Type	MOS
Wired Switch	Support push & rocker button



>> DIN-Rail Phase-cut Dimmer

- > Classic DIN-Rail installation
- > 1 channel 150W, support leading / trailing edge dimming

Model	ERC2103
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
LED Load	150W
Phase Cutting Method	Leading / Trailing Edge Dimming
Component Type	MOS
Wired Switch	Support push & rocker button



>> Phase-cut Dimmer

- > Mounted-outside type, can be pasted above the ceiling
- > 1 channel 150W, support leading / trailing edge dimming

Model	ERC1203
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Phase Cutting Method	Leading / Trailing Edge Dimming
Component Type	MOS
Wired Switch	Not support



>> High Power Phase-cut Dimmer

- > Suitable for US standard screw mounting
- > 1 channel 300W phase-cut dimming

Model	ERC2703
Frequency	RF 433 MHz
Power Supply	AC 100-120V / AC 100-240 V
LED Load	300W
Phase Cutting Method	Leading / Trailing Edge Dimming
Component Type	MOS
Wired Switch	No Support



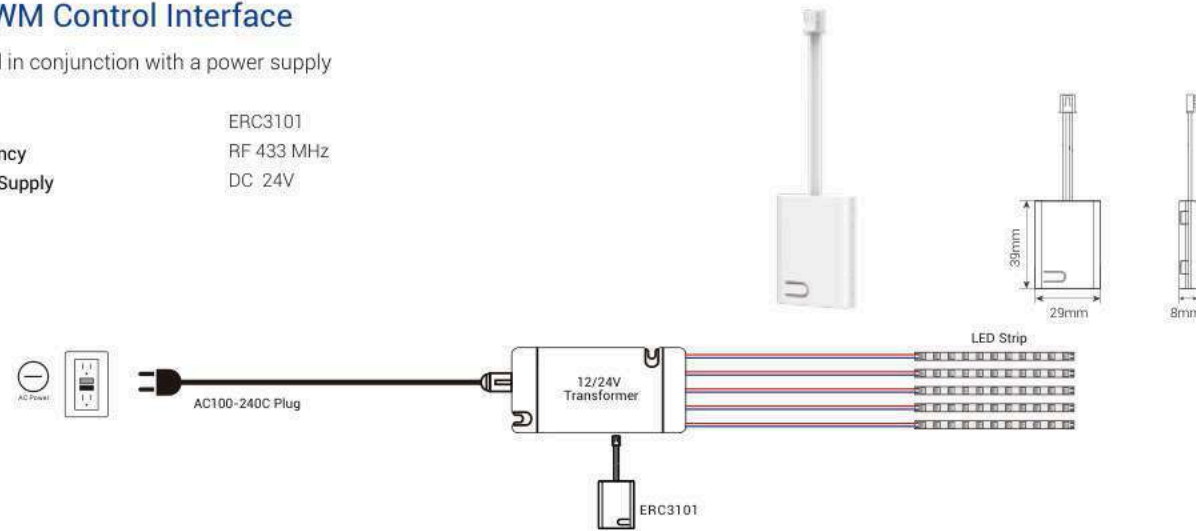
RF Series ((RF))

PWM LED Light Dimmer

>> PWM Control Interface

> Used in conjunction with a power supply

Model	ERC3101
Frequency	RF 433 MHz
Power Supply	DC 24V

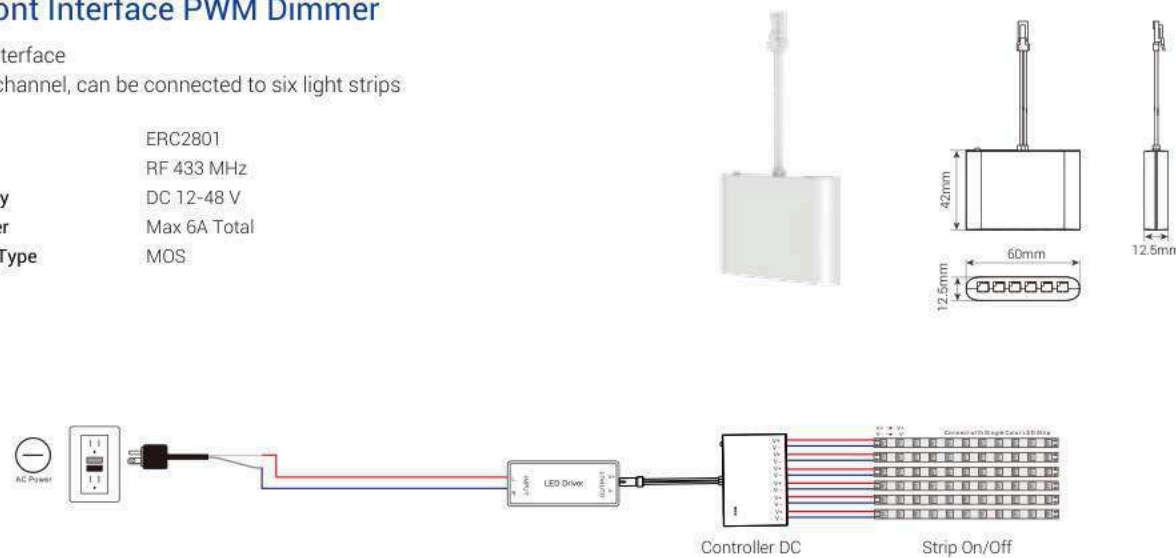


>> Dupont Interface PWM Dimmer

> Dupont interface

> 1 output channel, can be connected to six light strips

Model	ERC2801
Frequency	RF 433 MHz
Power Supply	DC 12-48 V
Output Power	Max 6A Total
Component Type	MOS

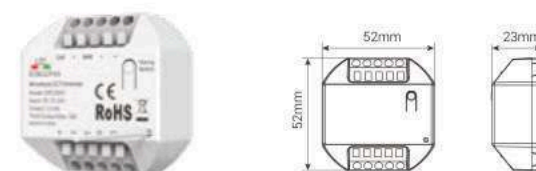


>> Compact CCT PWM Dimmer

> Compact Size

> 2 channel PWM dimming, Max 6A/CH

Model	ERC2303
Frequency	RF 433 MHz & RF 923.6MHz
Power Supply	DC 12-48 V
Output Power	Max 6A each channel
Component Type	MOS
Wired Switch	Support push & rocker button



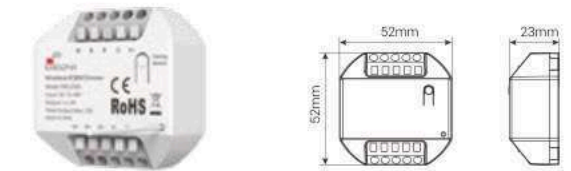
PWM LED Light Dimmer

>> Compact RGBW PWM Dimmer

> Small size, Compact

> 4 channels (RGBW)

Model	ERC2305
Frequency	RF 433 MHz
Power Supply	DC 12-48 V
Output Power	Max 3A each channel
Component Type	MOS
Wired Switch	Not support



>> PWM Dimmer

> Mounted-outside type, can be pasted above the ceiling

> 1 channel PWM dimming, Max 9A/CH

Model	ERC1206
Frequency	RF 433 MHz
Power Supply	DC 12-24 V
Output Power	Max 9A
Component Type	MOS
Wired Switch	Not support



5-in-1 RGB+CCT PWM LED Dimmer

>> Compact 5-in-1 RGB+CCT PWM LED Dimmer

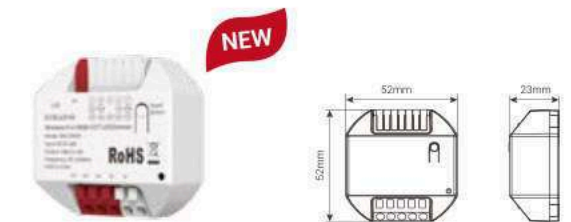
> 5-Channel Output – RGB + CCT Flexible Modes

> Wide Voltage Input – High current Output

> Ultra-Compact Design – Easy to Install

> OTA Firmware Update – Continuous Improvement

Model	ERC23A05
Frequency	RF 433 MHz
Power Supply	DC 12-48 V
Output Type	PWM
Output Channel	5
Control Type	Constant Voltage
Max Output Current	3A +5



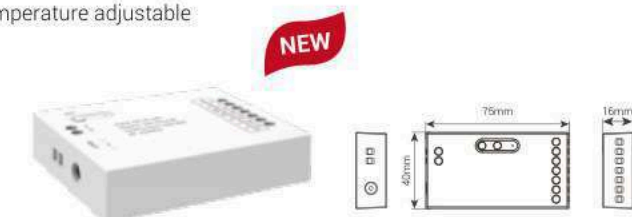
>> Ultra-thin 5-in-1 PWM LED Dimmer

> 16 Millions of colors to choose

> RF wireless transmission technology

> Color temperature adjustable

Model	ERC3801
Frequency	RF 433 MHz
Power Supply	DC 12-48 V
Output Current	Maximum 5A per channel, 15A total
Output Type	Constant Voltage PWM Dimming



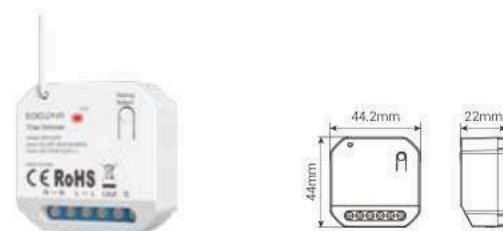
RF Series ((RF))

Roller Shutter

>> Compact Roller Shutter

- > Extremely small size, can be stored in the switch bottom box
- > Relay 8A Dual channel roller shutter control

Model	ERC2206
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	8A*2
Wired Switch	Support push & rocker button
Channel	2



>> DIN-Rail Roller Shutter

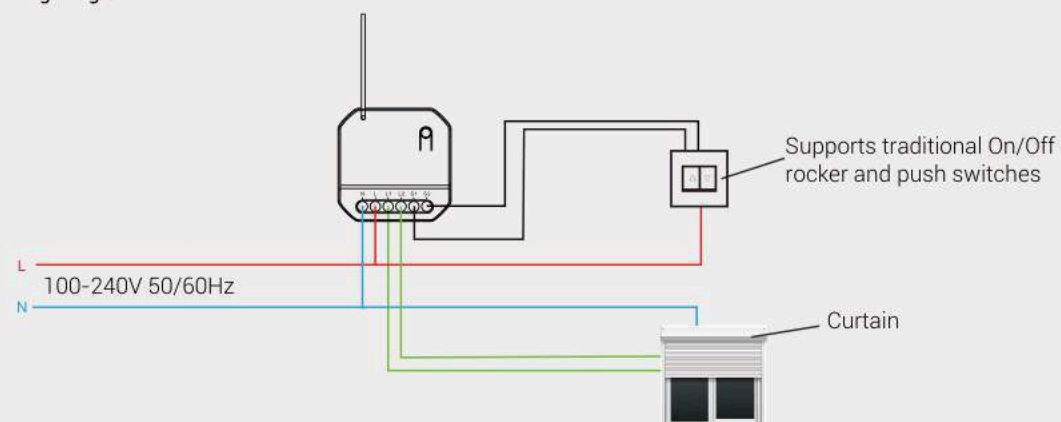
- > Classic DIN-Rail installation
- > Relay 16A Dual channel roller shutter control

Model	ERC2107
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	16A*2
Phase Cutting Method	Leading / Trailing Edge Dimming
Channel	2



Wiring Diagram

ERC2206 Wiring Diagram



No Neutral Controller

>> Ultra Compact No Neutral Controller

- > 3-Channel output
- > No neutral wire is needed, and no external capacitor is required.
- > Ultra-Compact design – easy to install

Model	ERC3403
Frequency	RF 433 MHz
Power Supply	No Neutral Wire
Input	AC 110-220 V 50/60Hz
Control Component	Thyristor
Output Channel	3
Load Range	LED (10-100) W



Fan Controller

>> Capacitive Fan Speed Controller

- > 1-5 speeds adjustable
- > Suitable for US standard screw mounting

Model	EFC01
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Gear Speed	1, 2, 3, 4, 5
Load	150W
Adjustment Method	Capacitive
Operating Range	80m (Outdoor) 25m (Indoor)

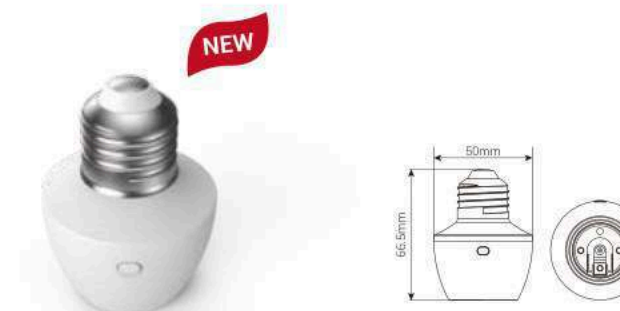


E27 Lamp Socket Controller

>> E27 Lamp Socket Controller

- > Compact Size
- > Controllable via wireless switch
- > Plug-and-play

Model	ERC3501
Frequency	RF 433 MHz
Function	On/Off
Input	AC 110-220V 50/60Hz
Control Component	Thyristor
Base Type	E27
Max.Load	LED 120W (220V)



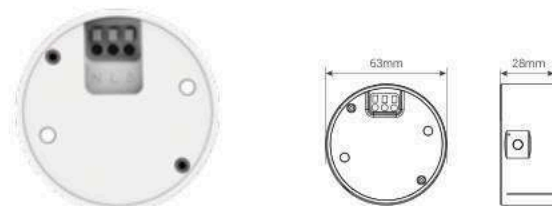
RF Series ((RF))

Japanese Standard Lamp Controller

>> Ceiling Mounted On/Off Lighting Controller

- > Ceiling mounted
- > Terminal Neutral-Live wiring
- > Relay 16A 1 channel On/Off control
- > PSE certified

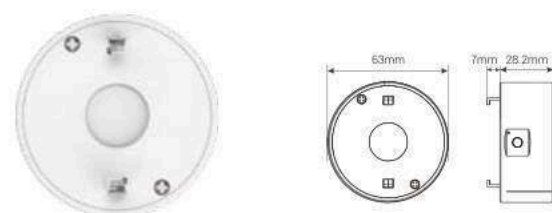
Model	ERCJ01
Frequency	RF 923.6MHz
Power Supply	AC 100-240 V
Relay	16A
Resistive Load	1200W
LED Load	600W
Wired Switch	Push Button / Rocker Switch



>> Plug-in Ceiling Mounted On/Off Lighting Controller

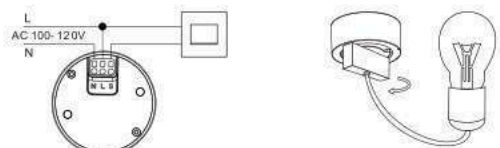
- > Ceiling mounted
- > Plug-in connection
- > Relay 16A 1 channel On/Off control
- > PSE certified

Model	ERCJ02
Frequency	RF 923.6MHz
Power Supply	AC 100-240 V
Relay	16A
Resistive Load	1200W
LED Load	600W
Wired Switch	Not Support

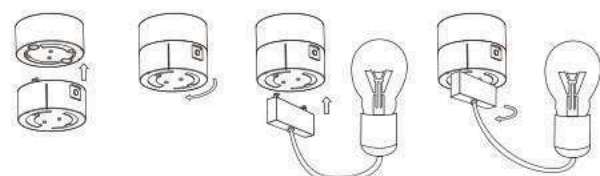


Installation Diagram

ERCJ01 Installation Diagram



ERCJ02 Installation Diagram



Wall Switch

>> No Neutral Wall Switch

- > Single-live, supports pairing with wireless kinetic switch
- > Usually used with a flash eliminator
- > Magnetic latching relay

Model	ESL2
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	20A
Resistive Load	10A/220V AC
LED Load	1100W
Buttons Options	1, 2



>> US Standard Wall Switch

- > US standard
- > Two models: On/Off & dimmable
- > Relay 10A 1 channel On/Off control

Model	ERC114 / ERC115
Frequency	RF 433 MHz
Power Supply	AC 100-120V / AC 100-240 V
Relay	10A
Resistive Load	250W / 1000W
LED Load	125W / 500W
Buttons Options	2
Colors	White, Black, Grey (Available in custom colors)



Remote Control

>> Remote Control

- > Remote control, control distance 30m
- > Dim brightness / Saturation
- > RF wireless transmission technology
- > Group control

Model	RS01
Frequency	RF 433 MHz
Power Supply	LR03 (AAA) Alkaline Battery
Operating Voltage	1.5V
Standby Power	≤5μA
Communication Distance	30m

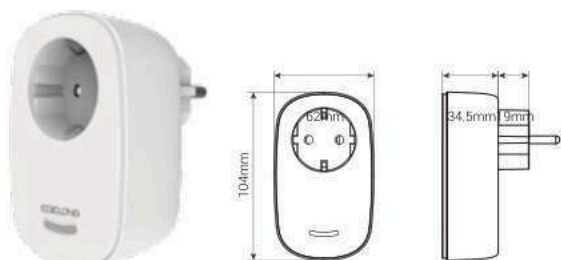


RF Series ((RF))

Wireless On/Off Socket

>> On/Off Socket Compliant with Different Standards

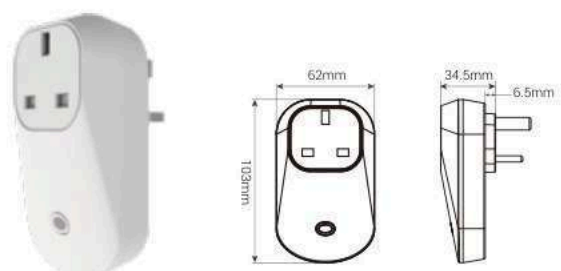
- > Wireless socket support wireless kinetic switch
- > Change the plug to fit different standards.



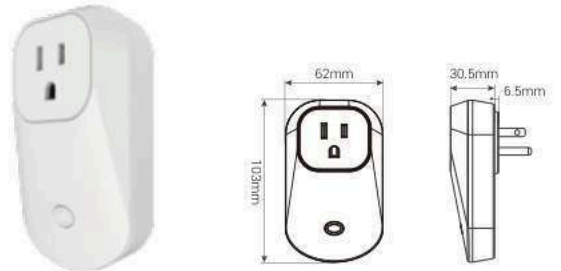
SOKE01-EU
European Standard



SOKE01-FR
France Standard



ERC501
British Standard



ERC503
US standard

Model	SOKE01-EU / SOKE01-FR / ERC501 / ERC503
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Relay	16A
Operating Current	Max 16A
Socket Type	European Standard / France Standard / British Standard / US standard
Installation Method	Plug in

Use ECS Alrouf Commissioning system to make a wireless On/Off socket obtain the function of delay control.

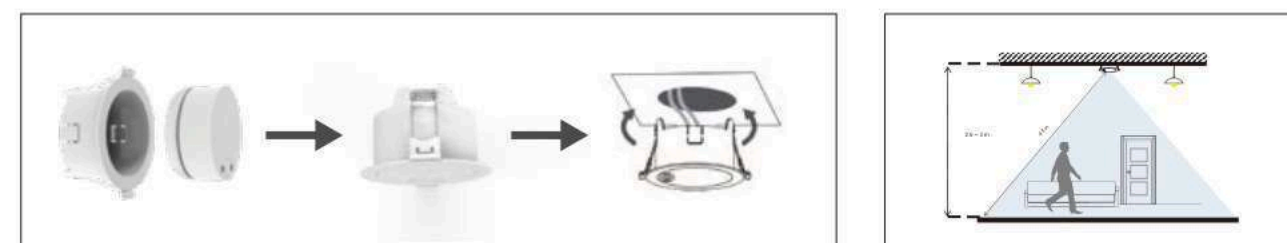
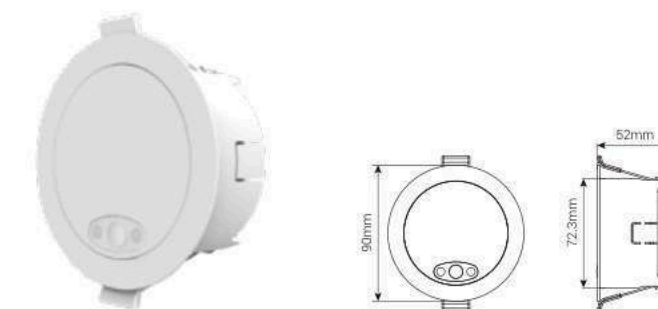


Sensor

>> Human Body Sensor

- > 2.4 GHz radar millimeter wave sensing
- > 1 channel output, 1100W
- > 0-255lux adjustable light threshold
- > Adjustable detection sensitivity & time delay

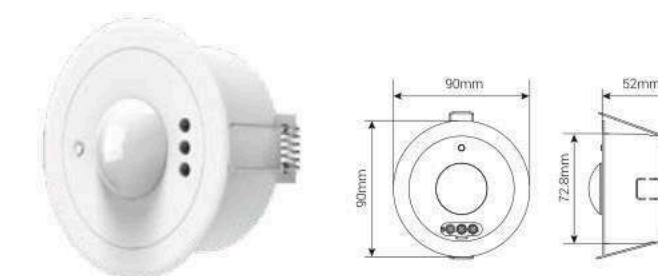
Model	H3
Frequency	RF 433 MHz
Power Supply	AC 100-240 V 50/60Hz
Relay	16A
Sensitivity Range	Radial 4m
Installation Method	Recessed



>> PIR Sensor

- > PIR infrared sensing
- > Should paired with Alrouf controllers
- > Recessed type
- > Battery life 10 years

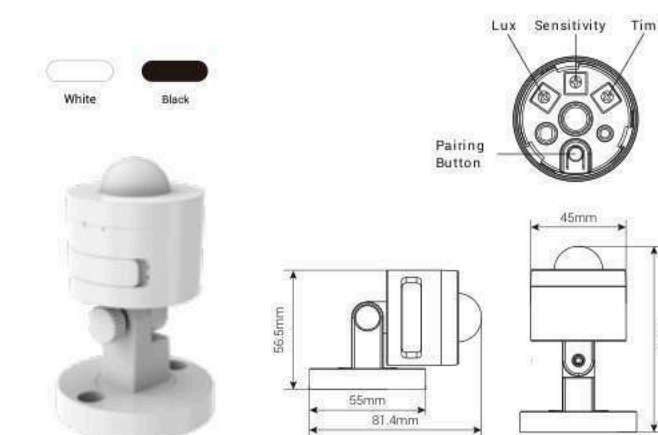
Model	H2
Frequency	RF 433 MHz
Power Supply	Button Cell (CR123A) AC 100-240 V
Sensitivity Range	0-8m adjustable
Installation Method	Recessed



>> Battery-powered PIR Sensor

- > PIR infrared sensing
- > Should paired with Alrouf controller
- > Support LUX/SENS/TIME setting
- > Battery life 5 years

Model	H4
Frequency	RF 433 MHz
Power Supply	Button Cell (CR2450)
Sensitivity Range	0-8m adjustable
Installation Method	External



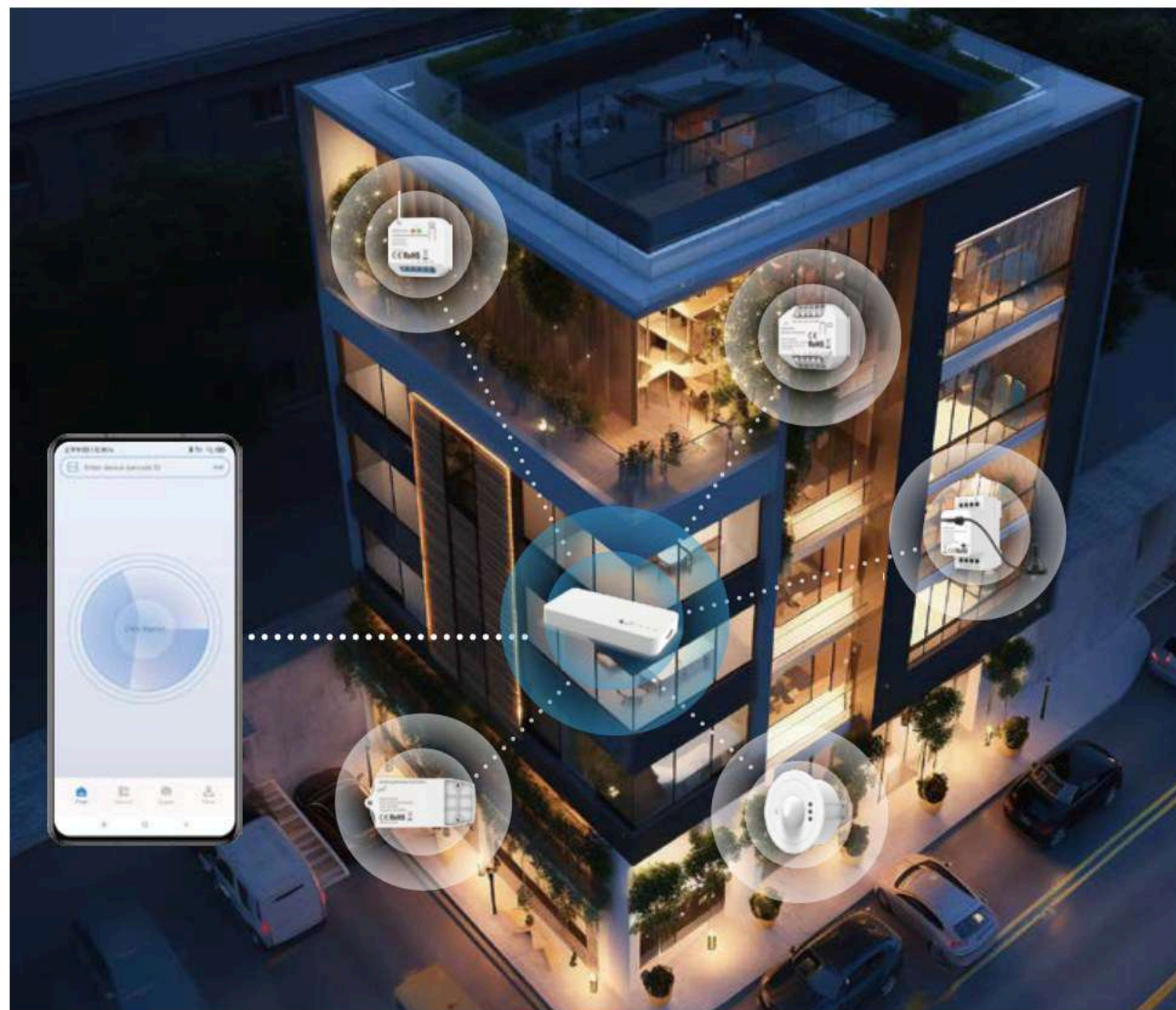
RF Series ((RF))

Configuration Tool

>> ECS Configuration Tool

- > Batch configuration in Programs
- > Creaata project and name the device
- > device information storage and memory
- > Real-time signal montoring

Model	ECS
Frequency	RF 433 MHz & 2.4 GHz
Power Voltage	5V
Maximum Current	1A
Interface Type	Type-C
Receiving Sensitivity	-110dBm
Operating Temperature	-20~+50°C



Configuration Tool



- Batch configuration in Programs
- Creaata project and name the device
- device information storage and memory
- Real-time signal montoring

RF Series

RF Series

RF Series ((RF))

Signal Transmitter

>> 2-Channel AC Signal Transmitter

- > Extremely small, can be stored in the switch box
- > Convert the AC input to RF signals

Model	ERC2208
Output Signal	RF 433 MHz
Power Supply	AC 100-240 V 50/60Hz
Input Signal	Instantaneous strong electrical
Installation Method	Compact
Wired Switch	Support rocker switch



>> 2-Channel DC Signal Transmitter

- > Extremely small, can be stored in the switch box
- > Convert the DC input to RF signals

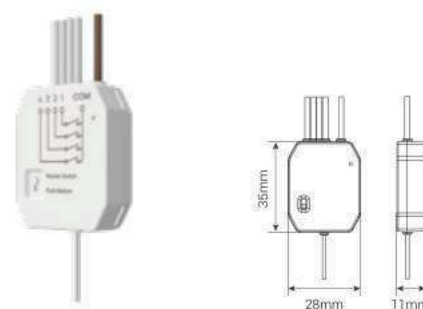
Model	ERC2208-D
Output Signal	RF 433 MHz
Power Supply	DC12-48V
Input Signal	DC signal
Installation Method	Compact
Wired Switch	Support rocker switch



>> 4-Channel Battery-Powered Signal Transmitter

- > Instantly upgrades traditional switches to wireless smart control
- > Battery-powered, no wiring required, easy installation
- > Compatible with rocker and reset switches
- > Compact size, easily fits into standard switch boxes

Model	RP01
Output Signal	RF 433 MHz
Power Supply	Battery (CR2032)
Input Signal	Dry contact signal
Installation Method	Compact
Wired Switch	Support push & rocker button



Signal Repeater

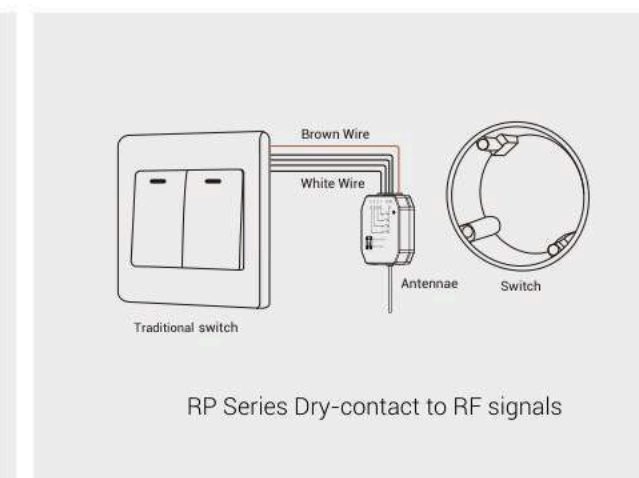
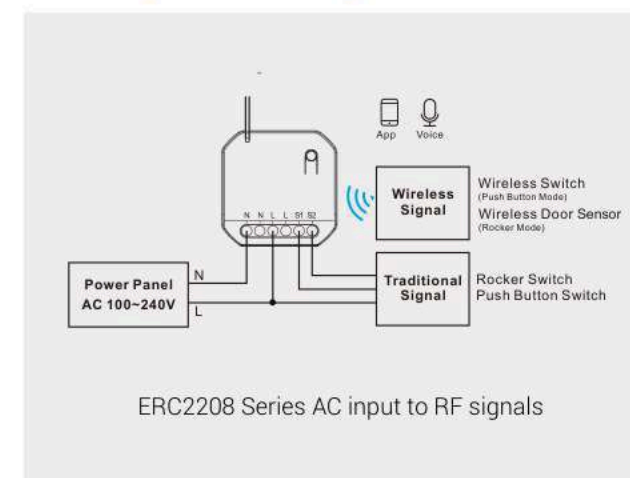
>> Signal Repeater

- > The signal repeater extends the RF signal
- > wirelessly operates (On/Off and dimming) any **Alrouf** receiver

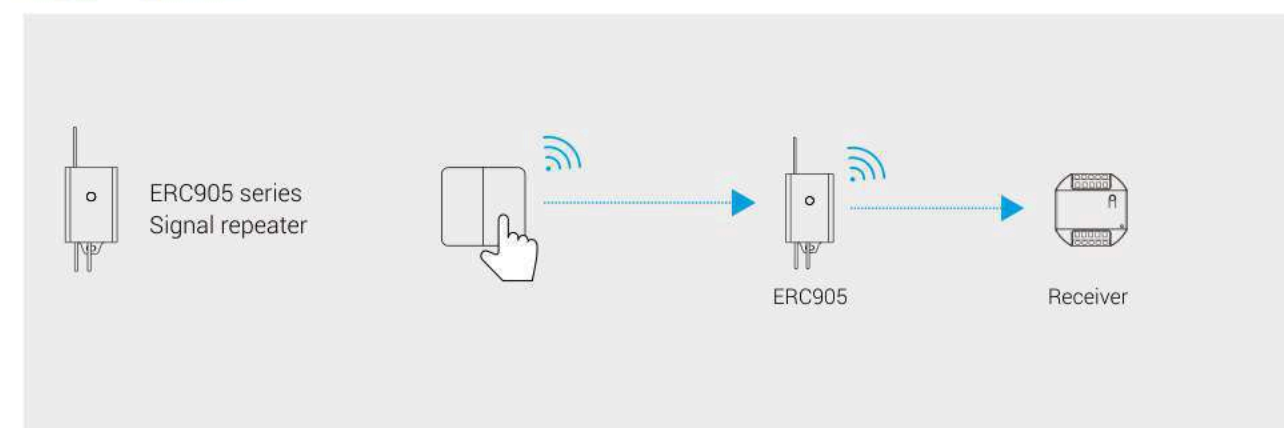
Model	ERC905
Frequency	RF 433 MHz
Power Supply	AC 100-240 V
Receiving Sensitivity	-110dBm
Operating Temperature	-20 C~+55 C
Communication Distance	100m
Installation Method	Compact



Other Signals To RF Signals



Signal Repeater



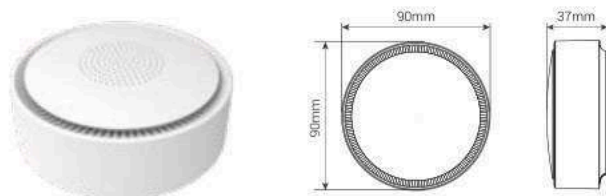
RF Series ((RF))

RF Gateway

>> RF to Tuya Gateway

> Connect **Alrouf** RF system to Tuya smart home solution

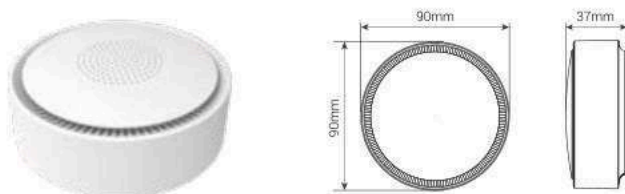
Model	ECH-103
Downlink Communication Mode	RF 433 MHz
Power Supply	DC 5V
Control Distance	100m outdoor, 30m indoor
Number of Ringtones	10
Volume	85dbm (at 1m)
Installation Method	External
Uplink Communication Mode	Wi-Fi



>> RF to MQTT Gateway

> Connect **Alrouf** RF system to a TCP/IP system

Model	ECH-105
Downlink Communication Mode	RF 433 MHz
Power Supply	DC 5V
Control Distance	100m outdoor, 30m indoor
Number of Ringtones	10
Volume	85dbm (at 1m)
Installation Method	External
Uplink Communication Mode	TCP/IP



>> RF to RS485 Converter

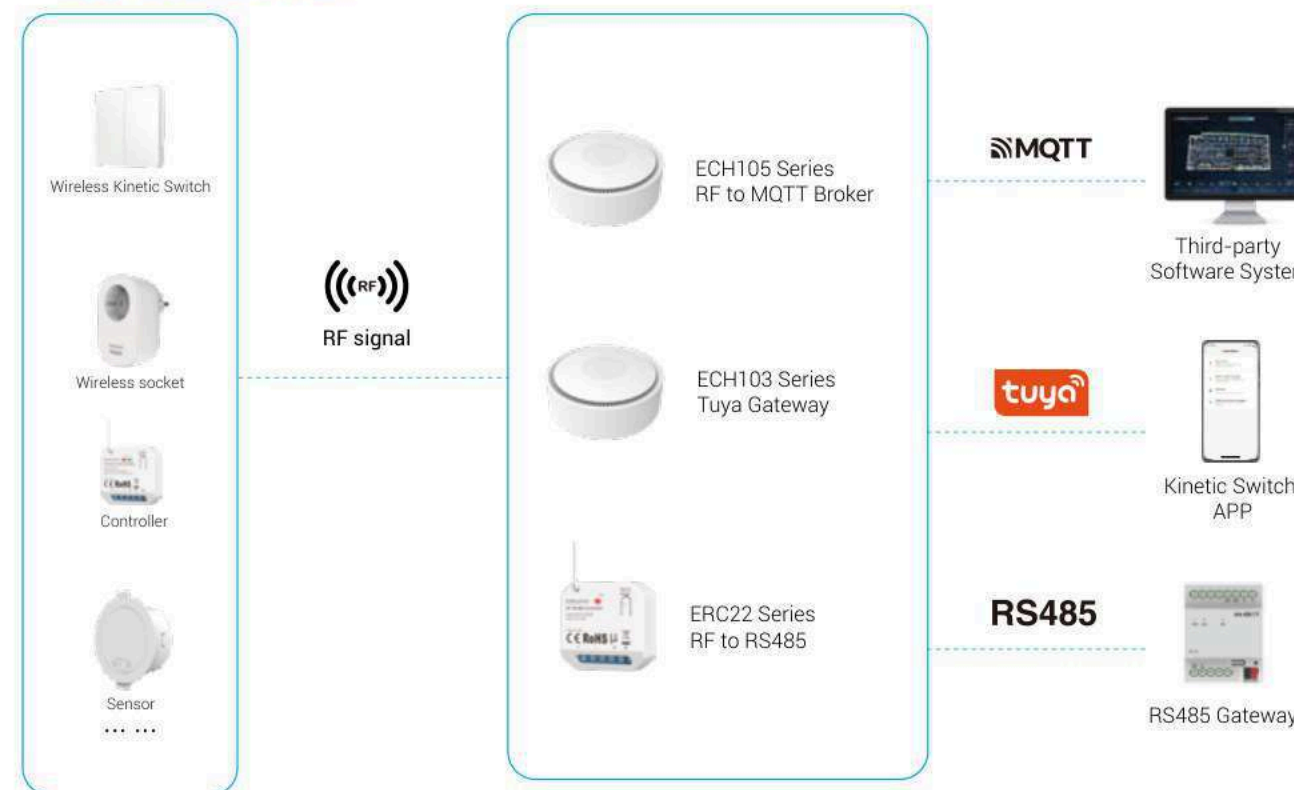
> Connect **Alrouf** RF system to an RS485 system

Model	ERC22-RS485
Downlink Communication Mode	RF 433 MHz
Power Supply	DC 8-24V
Control Distance	100m outdoor, 30m indoor
Installation Method	External
Uplink Communication Mode	RS485 Signal



RF Gateway

Product Block Diagram



Build system like
Build blocks more flexible

Wired/wireless
collaboration

Viewable
Energy Consumption

Self-powered switch
Quickly installation

Private/SAAS
deployment

Open API
Integration/integrated

RF Series

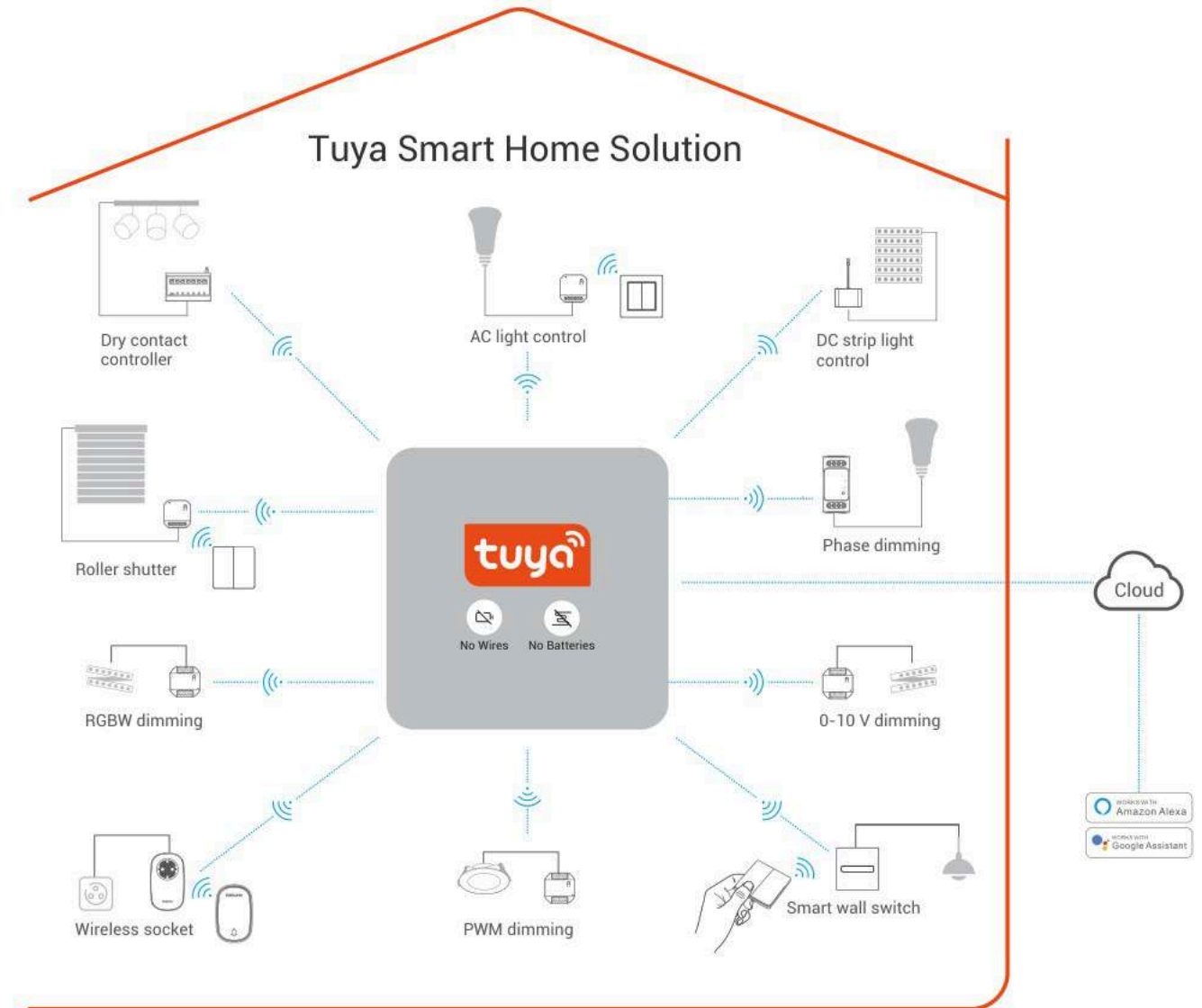
RF Series

Tuya & Home Assistant

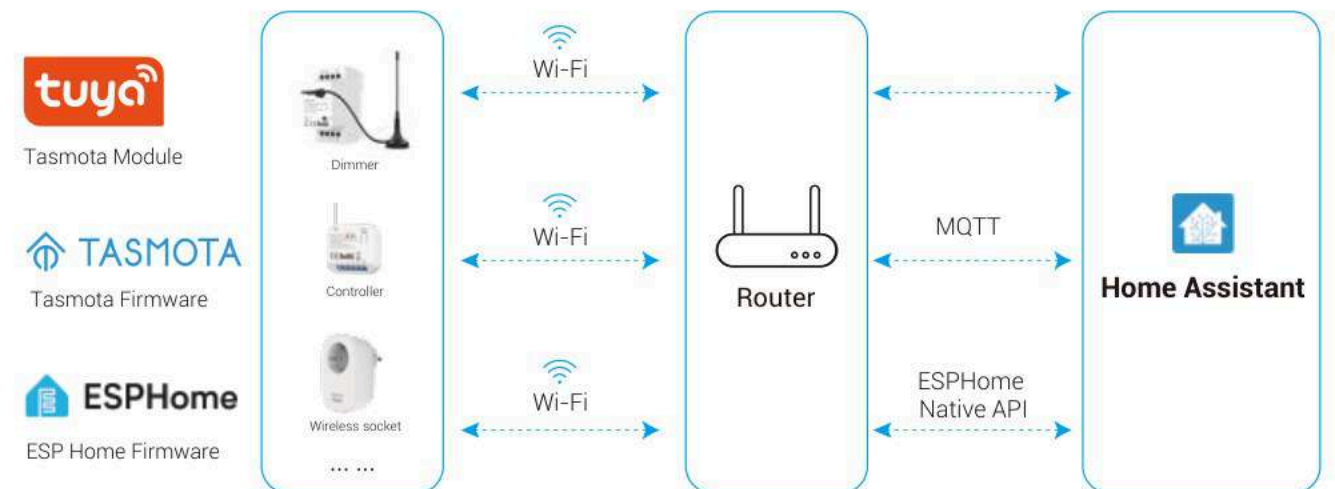


Supports
Tuya Wi-Fi / Tuya Zigbee / Tasmota / ESPHome

Tuya & Home Assistant Series



Tuya Series



Tuya & Home Assistant Series

Smart Wall Switch

>> 86mm Glass Smart Wall Switch

- > Neutral wire required
- > Up to 10 wireless kinetic switches, no controller needed



Model (-XX Optional)	GS-XX
Power Supply	AC 100-120V
Relay	10A
Resistive Load Per Channel	1200W (220V)
LED Load Per Channel	600W (220V)
Buttons Options	2, 4
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 86mm Glass Smart Wall Switch

- > Neutral wire required
- > Up to 10 wireless kinetic switches, no controller needed



Model (-XX Optional)	GP-XX
Power Supply	AC 100-120V
Relay	10A
Resistive Load Per Channel	1200W (220V)
LED Load Per Channel	600W (220V)
Buttons Options	1, 2, 3, 4, 6
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



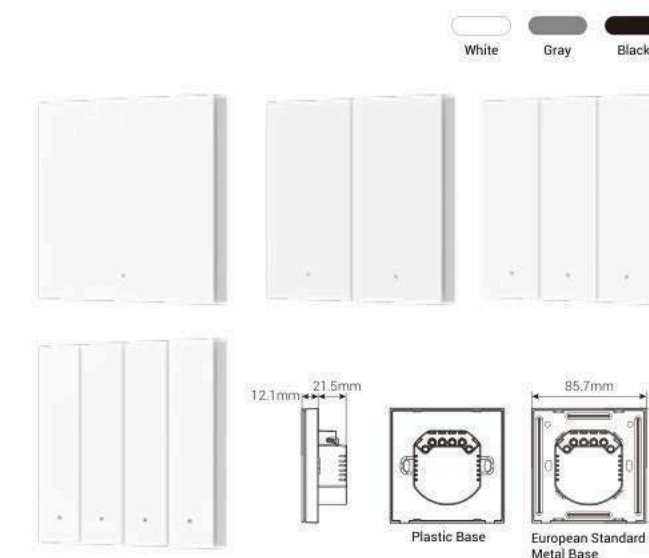
Tuya & Home Assistant Series

Smart Wall Switch

>> 86mm Smart Wall Switch

- > Compatible with standard 86 mounting box
- > Neutral wire required
- > APP Remote Control
- > Voice Assistant Compatible

Model (-XX Optional)	GW2-XX
Power Supply	Neutral-live Wire
Input	AC200V -240V 50/60Hz
Gang	1, 2, 3, 4
Button Numbers	1, 2, 3, 4
Relay	16A*1/2/3 /4
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 86mm Smart Wall Switch

- > Neutral wire required
- > Minimum current can be set to 0.1mA (step accuracy)
- > Up to 10 wireless kinetic switches, no controller needed



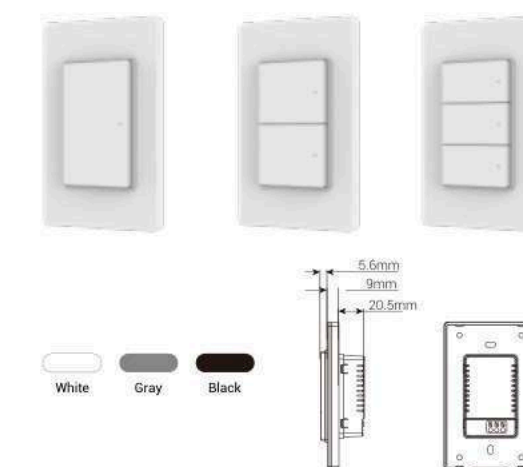
Model (-XX Optional)	EWS2-XX
Power Supply	AC 100-120V
Relay	16A
Resistive Load Per Channel	1200W (220V)
LED Load Per Channel	600W (220V)
Buttons Options	1, 2
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 118mm Smart Wall Switch

- > Compatible with standard 118 mounting box
- > Neutral wire required
- > APP Remote Control
- > Voice Assistant Compatible

Model (-XX Optional)	RW2-XX / RW3-XX
Power Supply	Neutral-live Wire
Input	AC200V -240V 50/60Hz
Output Channel	1, 2, 3
Button Numbers	1, 2, 3
Wired Switch	Push gang rocker switch
Relay	20A*1/2/3
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



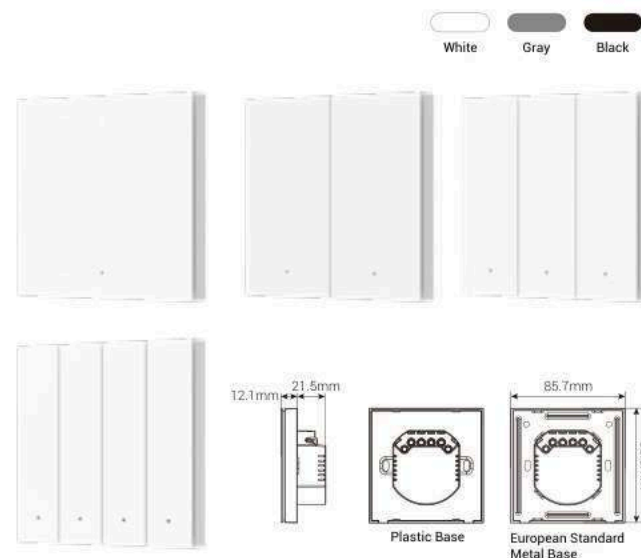
Tuya & Home Assistant Series

Smart Wall Switch

>> 86mm No Neutral Smart Wall Switch

- > Compatible with standard 86 mounting box
- > No Neutral
- > APP Remote Control
- > Voice Assistant Compatible

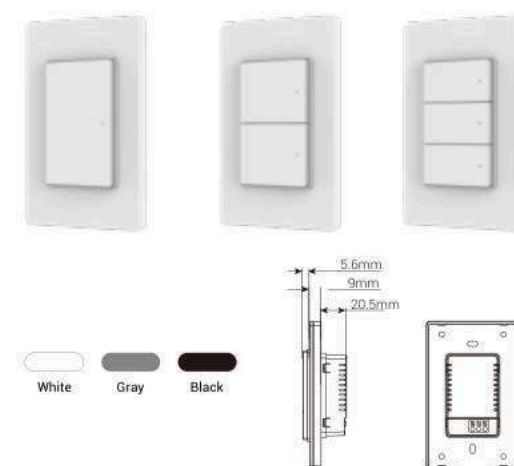
Model (-XX Optional)	GW1-XX
Power Supply	No Neutral Wire
Input	AC200V ~240V 50/60Hz
Gang	1, 2, 3, 4
Button Numbers	1, 2, 3, 4
Relay	16A*1/2/3
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 118mm No Neutral Smart Wall Switch

- > Compatible with standard 118 mounting box
- > No Neutral
- > APP Remote Control
- > Voice Assistant Compatible

Model (-XX Optional)	RW1-XX
Power Supply	No Neutral Wire
Input	AC200V ~240V 50/60Hz
Output Channel	1, 2, 3
Button Numbers	1, 2, 3
Wired Switch	Push gang rocker switch
Relay	20A*1/2/3
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> US Standard Smart Wall Switch

- > Two models: ON/OFF & dimmable
- > Paired with up to 10 wireless kinetic switches without any controllers

Model (-XX Optional)	ERC111-XX / ERC112-XX
Power Supply	AC 100-120V
Relay	- / 10A
Resistive Load Per Channel	300W (110V) / 1000W (220V)
LED Load Per Channel	150W (110V) / 500W (220V)
Buttons Options	2
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series

On/Off Controller

>> 1- & 2-Channel Ultra-Compact Controller

- > 1-Channel / 2-Channel Options – Flexible Use
- > Ultra-Compact Design – Easy to Install

- > APP Remote Control
- > Voice Assistant Compatible

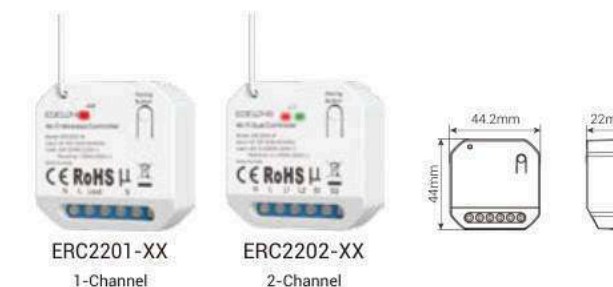
Model (-XX Optional)	ERC3411-XX / ERC3412-XX
Power Supply	AC 110-220V 50/60Hz
Control Component	Relay
Function	On/Off Controller
Output Channel	1 / 2
Wired Switch	Push Button / Rocker Switch
Max.Load	LED 500W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 1- & 2-Channel Compact On/Off Controller

- > Extremely small size, can be stored in the switch bottom box
- > 1/2-channel ON/OFF control

Model (-XX Optional)	ERC2201-XX / ERC2202-XX
Power Supply	AC 100-240 V
Relay	8A / 8A*2
Resistive Load Per Channel	5A/220V AC
Max LED Load Per Channel	500W ~ 220V
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 3-Channel Compact On/Off Controller

- > 3 Channel Options
- > Dual Control – Works Online & Offline

- > Compact Design – Easy to Install
- > Wet Contact Output – Drives Loads Directly

Model (-XX Optional)	ERC22A03-XX
Power Supply	AC 100-240 V
Output Channel	3
Wired Switch	Push Button / Rocker Switch
Relay	8A*3
Max.Load	LED 500W, Resistive 1000W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series

On/Off Controller

>> 2-Channel DIN-Rail On/Off Controller

- > Classic DIN-Rail installation
- > 2-channel ON/OFF control

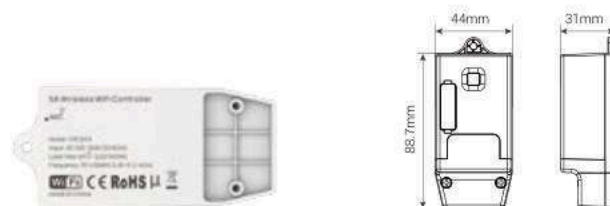
Model (-XX Optional)	ERC2102-XX
Power Supply	AC 100-240 V
Relay	16A*2
Resistive Load Per Channel	10A/220V AC
Max LED Load Per Channel	1000W~220V
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> On/Off Controller

- > Mounted-outside type, can be pasted above the ceiling
- > 1-channel ON/OFF control

Model (-XX Optional)	ERC609-XX
Power Supply	AC 100-240 V
Relay	10A
Resistive Load Per Channel	6A/220V AC
Max LED Load Per Channel	600W~220V
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> On/Off Controller 30A

- > Suitable for US standard screw mounting
- > 30A relay, 2000W LED high power 1-channel ON/OFF control

Model (-XX Optional)	ERC2704-XX
Power Supply	AC 100-240 V
Relay	30A
Resistive Load Per Channel	20A/260V AC
Max LED Load Per Channel	2000W~220V
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series

Dry Contact Controller

>> Compact Dry Contact Controller

- > Extremely small size, can be stored in the switch bottom box
- > 16A relay 1-channel ON/OFF control

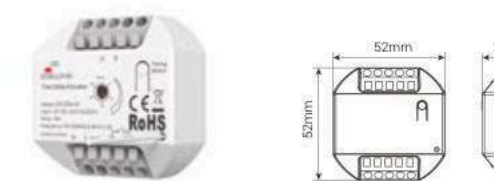
Model (-XX Optional)	ERC2204-XX
Power Supply	AC 100-240 V
Relay	16A
Relay Type	SPST
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> Compact Dry Contact Controller

- > Small size, mounted-in
- > 16A relay 1-channel ON/OFF control

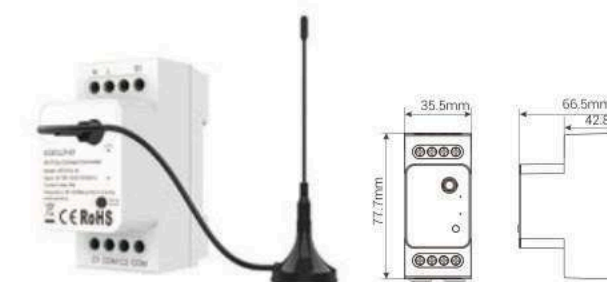
Model (-XX Optional)	ERC2304-XX
Power Supply	AC 100-240 V
Relay	16A
Relay Type	SPST
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> DIN-Rail Dry Contact Controller

- > Classic DIN-Rail installation
- > 16A relay 1-channel ON/OFF control

Model (-XX Optional)	ERC2104-XX
Power Supply	AC 100-240 V
Relay	16A
Relay Type	SPST
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> Dry Contact Controller

- > Suitable for US standard screw mounting
- > 30A relay 1-channel ON/OFF control

Model (-XX Optional)	ERC2701-XX
Power Supply	AC 100-240 V
Relay	30A
Relay Type	SPST
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



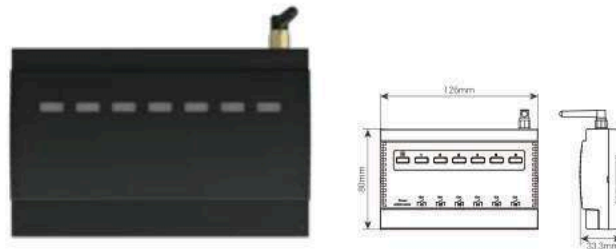
Tuya & Home Assistant Series

Dry Contact Controller

>> 6-Channel DIN-Rail Dry Contact Controller

- > Classic DIN-Rail installation
- > 16A relay 6 channel ON/OFF control

Model (-XX Optional)	ERC102-XX / ERC104-XX
Power Supply	AC 100-240 V
Relay	16A*2 / 10A*4
Relay Type	SPST
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz

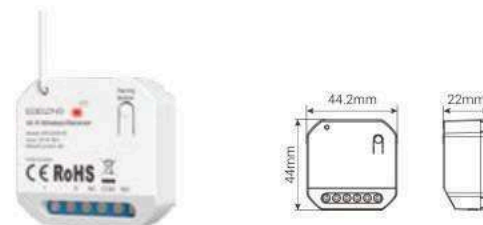


DC-Powered Dry Contact Controller

>> Compact DC Dry Contact Controller

- > Extremely small size, can be stored in the switch bottom box
- > 8A relay 1-channel DC ON/OFF control

Model (-XX Optional)	ERC2209-XX
Power Supply	DC 8-48V
Relay	16A
Relay Type	SPST
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> DIN-Rail DC Dry Contact Controller

- > Classic DIN-Rail installation
- > 16A relay 1-channel DC ON/OFF control

Model (-XX Optional)	ERC2105-XX
Power Supply	DC 8-36V
Relay	16A
Relay Type	SPST
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series

Ultra-Compact No Neutral Controller

>> 1- & 3-Channel Ultra-Compact No Neutral Controller

- > 1-Channel / 2-Channel/3-Channel/4-Channel Options
- > No Neutral Wire Need
- > No external capacitor required
- > Ultra-Compact Design – Easy to Install
- > Voice Assistant Compatible

Model (-XX Optional)	ERC3402-XX / ERC3403-XX / ERC3404-XX
Power Supply	AC 110-220V 50/60Hz
Control Component	Thyristor
Output Channel	2 / 3 / 4
Wired Switch	Push Button / Rocker Switch
Load Range	LED (10-100) W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



ERC3402-XX
1- & 2-Channel



ERC3403-XX
1- & 2-Channel



ERC3404-XX
1- & 2-Channel



PWM LED Dimmer

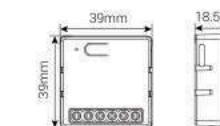
>> 1- & 2-Channel Ultra-Compact PWM LED Dimmer

- > 1-Channel / 2-Channel Options – Flexible Use
- > APP Remote Control
- > Ultra-Compact Design – Easy to Install
- > Voice Assistant Compatible

Model (-XX Optional)	ERC3415-XX
Power Supply	12-24V DC
Control Component	Relay
Output Channel	1 / 2
Wired Switch	Push Button / Rocker Switch
Max. Load	120W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



ERC3415-XX
1- & 2-Channel

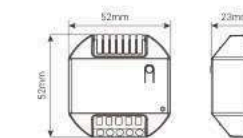


>> Compact 5-in-1 RGB+CCT LED Dimmer

- > 5-Channel Output – RGB + CCT Flexible Modes
- > Wide Voltage Input – High Current Output

- > Dual Control – Works Online & Offline
- > OTA Firmware Update – Continuous Improvement

Model (-XX Optional)	ERC23A05-XX
Power Supply	DC 12-48V
Output Type	PWM
Output Channel	5
Control Type	Constant Voltage
Max Output Current	3A *5
Dimming Resolution	1-100%
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series

PWM LED Dimmer

>> Ultra-thin 5-in-1 LED PWM Dimmer

- > 16 Millions of colors to choose
- > Color temperature adjustable
- > Wi-Fi wireless control support long-range control
- > Smartphone app control

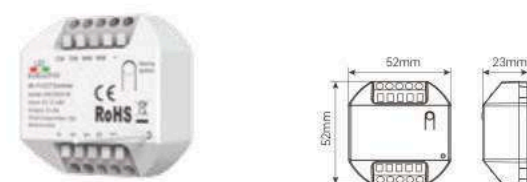
Model (-XX Optional)	ERC3801-XX
Power Supply	DC 12-48 V
Output Current	Maximum 5A per channel, 20A total
Output Type	Constant Voltage PWM Dimming
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 2-Channel Compact PWM LED Dimmer

- > Small size, built in
- > 2-channel 6A PWM dimming

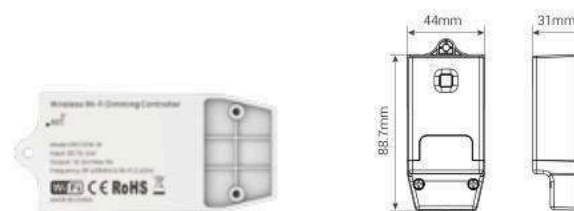
Model (-XX Optional)	ERC2303-XX
Power Supply	DC 12-48V
Output Power	Max 6A each channel
Component Type	MOS
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> PWM LED Dimmer

- > Mounted-outside type, can be pasted above the ceiling
- > 1-channel 9A PWM dimming

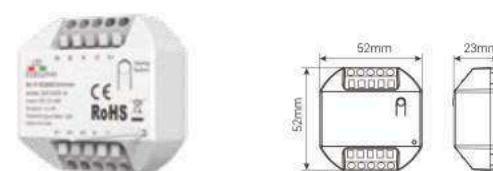
Model (-XX Optional)	ERC1206-XX
Power Supply	DC 12-24 V
Output Power	Max 9A
Component Type	MOS
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> Compact RGBW LED Dimmer

- > Small size, built in
- > 4 channels (RGBW)

Model (-XX Optional)	C2305-XX
Power Supply	DC 12-48V
Output Power	Max 3A each channel
Component Type	MOS
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



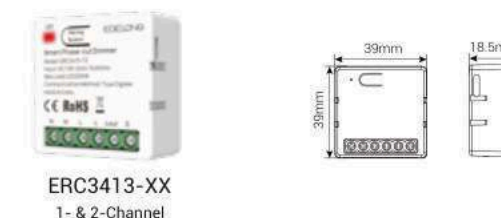
Tuya & Home Assistant Series

Phase-cut Dimmer

>> 1- & 2-Channel Ultra-Compact Phase-cut Dimmer

- > 1-Channel / 2-Channel Options – Flexible Use
- > Ultra-Compact Design – Easy to Install
- > APP Remote Control
- > Voice Assistant Compatible

Model (-XX Optional)	ERC3413-XX
Power Supply	AC 110-220V 50/60Hz
Control Component	Relay
Output Channel	1 / 2
Wired Switch	Push Button / Rocker Switch
Max.Load	LED 200W / 120W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> Compact Phase-cut Dimmer

- > Extremely small size, can be stored in the switch bottom box
- > 1-channel 150W phase-cut dimming

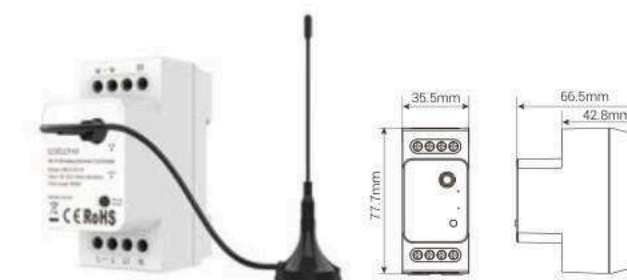
Model (-XX Optional)	ERC2203-XX
Power Supply	AC 200V ~240V
Load Power	150W
Phase Cutting Method	Leading / Trailing Edge Dimming
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> DIN-Rail Phase-cut Dimmer

- > Classic DIN-Rail installation
- > 1-channel 150W phase-cut dimming

Model (-XX Optional)	ERC2103-XX
Power Supply	AC 200V ~240V
Load Power	150W
Phase Cutting Method	Leading / Trailing Edge Dimming
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



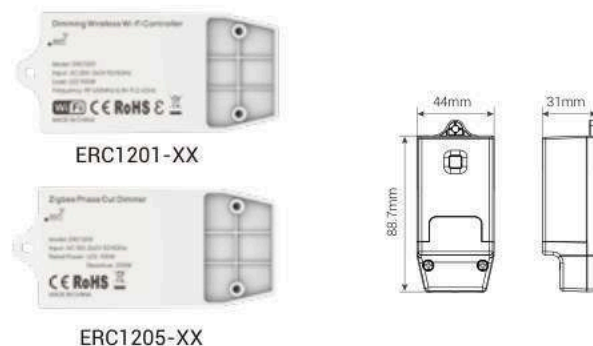
Tuya & Home Assistant Series

Phase-cut Dimmer

>> Phase-cut Dimmer

- > Mounted-outside type, can be pasted above the ceiling
- > 1-channel 150W/250W optional phase-cut dimming

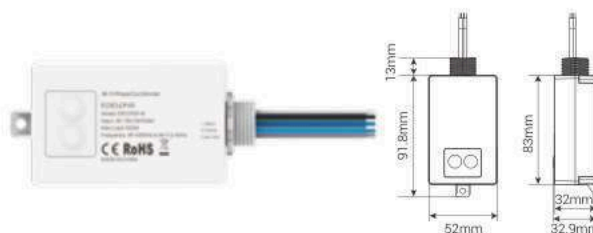
Model (-XX Optional)	ERC1201-XX / ERC1205-XX
Power Supply	AC 200V -240V
Load Power	150W & 250W / 100W
Phase Cutting Method	Leading / Trailing Edge Dimming
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> High Power Phase-cut Dimmer

- > Suitable for US standard screw mounting
- > 1-channel 300W phase-cut dimming

Model (-XX Optional)	ERC2703-XX
Power Supply	AC 100V -240V
Load Power	300W
Phase Cutting Method	Leading / Trailing Edge Dimming
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz

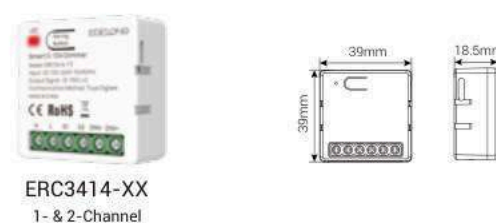


0-10 V Dimmer

>> 1- & 2-Channel Ultra-Compact 0-10 V Dimmer

- > 1-Channel / 2-Channel Options – Flexible Use
- > APP Remote Control
- > Ultra-Compact Design – Easy to Install
- > Voice Assistant Compatible

Model (-XX Optional)	ERC3416-XX
Power Supply	AC 110-220V 50/60Hz
Control Component	Relay
Output Channel	1 / 2
Wired Switch	Push Button / Rocker Switch
Max.Load	LED 200W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series


 ALROUF
 LIGHTING TECHNOLOGY CO.LTD.


 LED

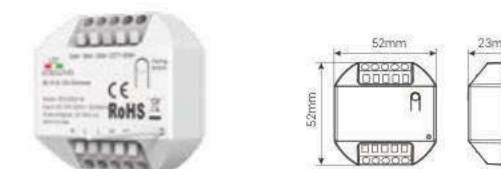

 شركة الروف
 لتقنية الإنارة المحيطة

0-10 V Dimmer

>> 2-Channel Compact 0-10 V Dimmer

- > Small size, mounted-in
- > 2-channel 0-10 V dimming

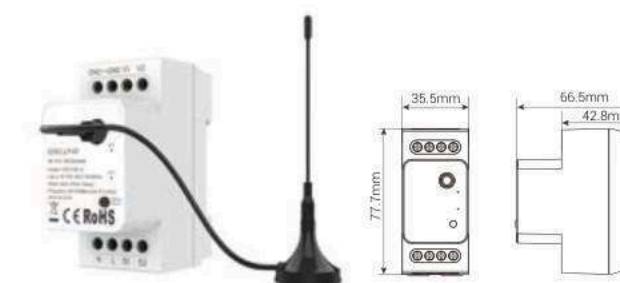
Model (- Optional)	ERC2302-XX
Power Supply	AC 100-240 V
Maximum Signal Output Current	50mA
Wired Switch	Push Button / Rocker Switch
Protocol (- Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 2-Channel DIN-Rail 0-10 V Dimmer

- > Classic DIN-Rail installation
- > 2-channel 0-10 V dimming

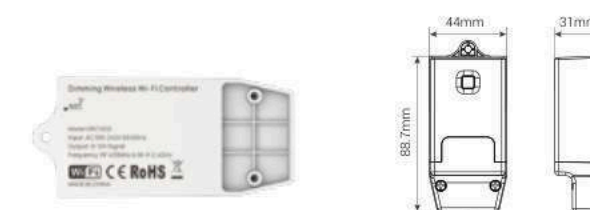
Model (- Optional)	ERC2106-XX
Power Supply	AC 100-240 V
Maximum Signal Output Current	50mA
Wired Switch	Push Button / Rocker Switch
Protocol (- Optional)	-TW: Tuya Wi-Fi & RF 433 MHz & -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 0-10 V Dimmer

- > Mounted-outside type, can be pasted above the ceiling
- > 1-channel 0-10 V dimming

Model (- Optional)	ERC1202-XX
Power Supply	AC 100-240 V
Maximum Signal Output Current	50mA
Protocol (- Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> 0-10 V Dimmer (with 30A relay)

- > Suitable for US standard screw mounting
- > 30A relay 1-channel 0-10 V dimming (With relay)

Model (- Optional)	ERC2706-XX
Power Supply	AC 100-240 V
Relay Cut Off	30A wet contact
Maximum Signal Output Current	50mA
Protocol (- Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



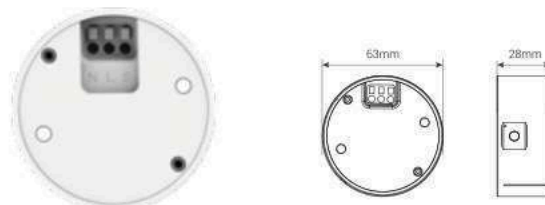
Tuya & Home Assistant Series

Japanese Standard Lamp Controller

>> Ceiling Mounted On/Off Lighting Controller

- > Ceiling mounted
- > Terminal Neutral-Live wiring
- > Relay 16A 1-channel ON/OFF control

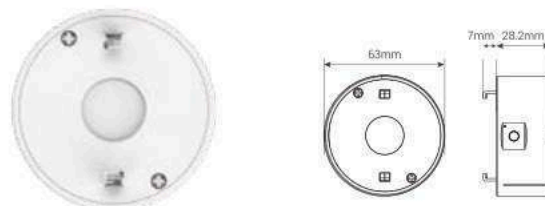
Model (-XX Optional)	ERCJ01-XX
Power Supply	AC 100-240 V
Relay	16A
Resistive Load	1200W
LED Load	600W
Wired Switch Supply	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



>> Plug-in Ceiling Mounted On/Off Lighting Controller

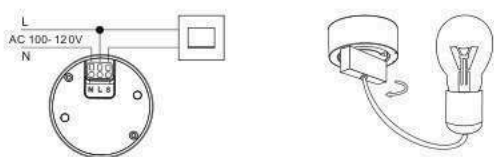
- > Ceiling mounted
- > Plug-in connection
- > Relay 16A 1-channel ON/OFF control

Model (-XX Optional)	ERCJ02-XX
Power Supply	AC 100-240 V
Relay	16A
Resistive Load	1200W
LED Load	600W
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz

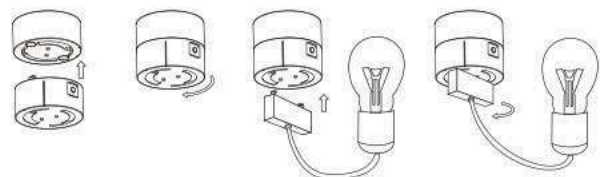


Installation Diagram

ERCJ01 Installation Diagram



ERCJ02 Installation Diagram



Roller Shutter

>> 1- & 2-Channel Ultra-Compact Controller

- > 1-Channel / 2-Channel Options – Flexible Use
- > Ultra-Compact Design – Easy to Install
- > APP Remote Control
- > Voice Assistant Compatible

Model (-XX Optional)	ERC3416-XX
Power Supply	AC 110-220V 50/60Hz
Control Component	Relay
Output Channel	1 / 2
Wired Switch	Push Button / Rocker Switch
Max.Load	Inductive & Load: 374W (220V)
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz

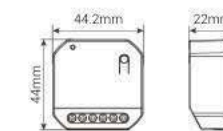


ERC3416-XX
1- & 2-Channel

>> Compact Wireless Controller (AC & DC)

- > 1-Channel / 2-Channel Options
- > Dual Control – Works Online & Offline
- > Dry Contact Output – Universal Integration
- > Voice Assistant Compatible

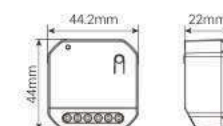
Model (-XX Optional)	ERC22A02-XX
Power Supply	AC 100-240V / DC12-100V
Control Component	Relay
Output Channel	2
Wired Switch	Push Button / Rocker Switch
Relay	8A*2
Max.Load	8A (resistive load) / 4A (capacitive load) / 1A (inductive load)
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433MHz -TZ: Tuya Zigbee & RF 433MHz -TAS: Tasmota Wi-Fi & RF 433MHz -EW: ESP Wi-Fi & RF 433MHz



>> Compact Roller Shutter

- > Extremely small size, can be stored in the switch bottom box
- > 8A relay Dual channel roller shutter

Model (-XX Optional)	ERC2206-XX
Power Supply	AC 100-240 V
Relay	8A
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



Tuya & Home Assistant Series

Roller Shutter

>> DIN-Rail Roller Shutter

- > Classic DIN-Rail installation
- > 16A relay Dual channel roller shutter

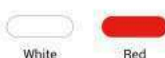
Model (-XX Optional)	ERC2107-XX
Power Supply	AC 100-240 V
Relay	16A
Wired Switch	Push Button / Rocker Switch
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



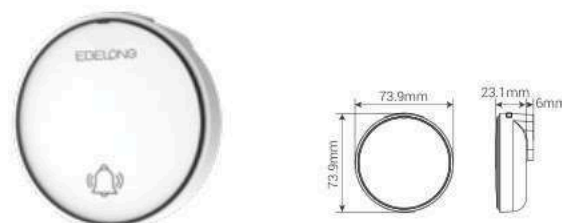
Smart Security Host

>> Smart Security Host

- > Connect devices to the internet.
- > Send a message to your phone when an alarm is triggered.
- > Also act as an alarm



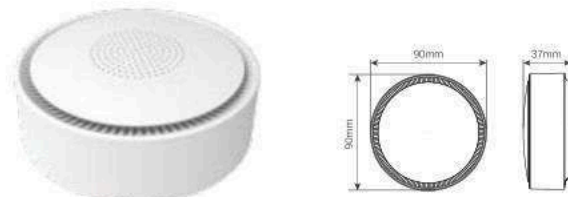
Model	QME-S
Power Supply	AC 100-240 V
Frequency	RF 433 MHz & Wi-Fi
Work Type	Plug in
Operating Distance	80m outdoor, 30m indoor
Operating Temperature	-20 C ~ +55 C



>> Smart Security Host

- > Type-C interface with 5V input, offering more convenient connectivity
- > Device networking enables the monitoring of security status anytime and anywhere.
- > When the alarm is triggered, the alarm information will be pushed to the mobile phone.

Model	ECH107
Power Supply	DC 5V
Frequency	RF 433 MHz & Wi-Fi
Work Type	Type-C
Operating Distance	80m outdoor, 30m indoor
Operating Temperature	-20 C ~ +55 C



Tuya & Home Assistant Series

Wireless On/Off Socket

>> On/Off Socket Compliant with Different Standards

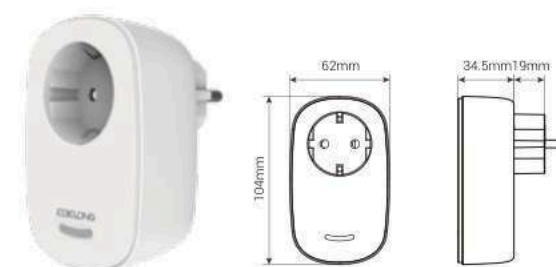
- > Wireless socket support wireless kinetic switch
- > Change the plug to fit different standards

Model (-XX Optional)	SOK01-XX / SOKE05-EU-XX / SOKE05-FR-XX / ERC501-XX / ERC503-XX
Power Supply	AC 100-240 V
Relay	16A
Operating Current	1: Max 10A 2 / 3: Max 15A 4 / 5: Max 13A
Load Power	3600W
Socket Type	1 / 2: European Standard 3: France Standard 4: British Standard 5: US standard
Installation Method	Plug in
Protocol (-XX Optional)	-TW: Tuya Wi-Fi & RF 433 MHz -TZ: Tuya Zigbee & RF 433 MHz -TAS: Tasmota Wi-Fi & RF 433 MHz -EW: ESP Wi-Fi & RF 433 MHz



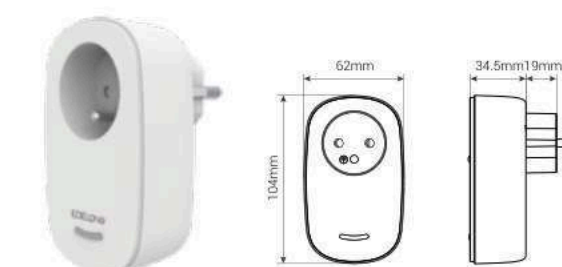
SOK01-XX

1



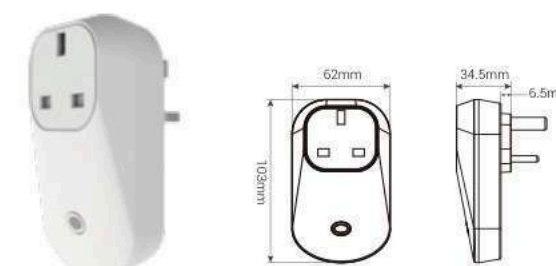
SOKE05-EU-XX

2



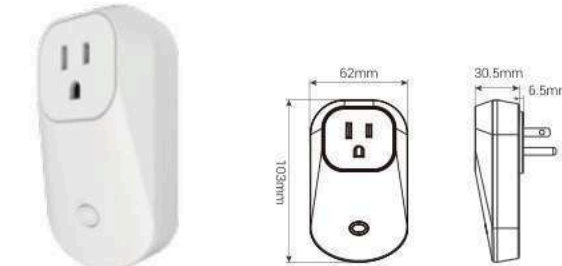
SOKE05-FR-XX

3



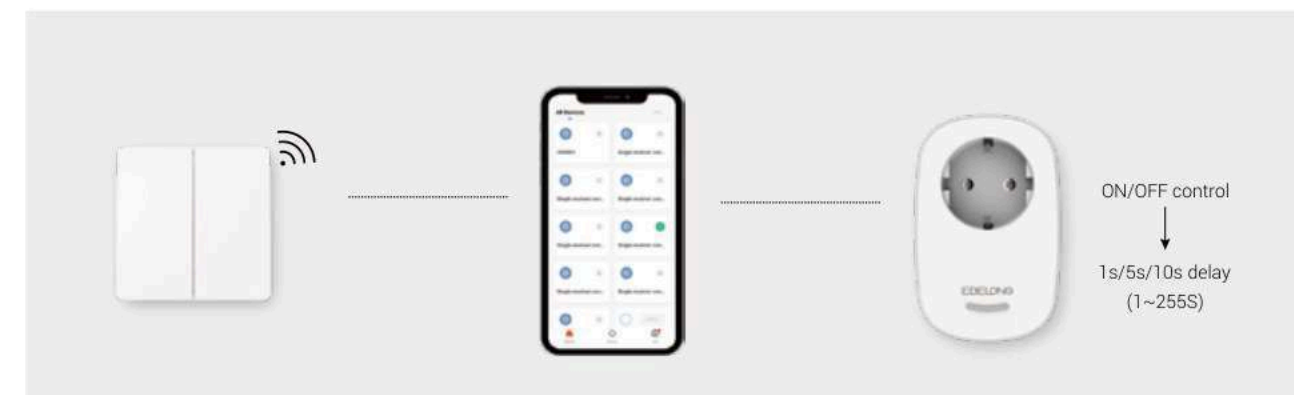
ERC501-XX

4



ERC503-XX

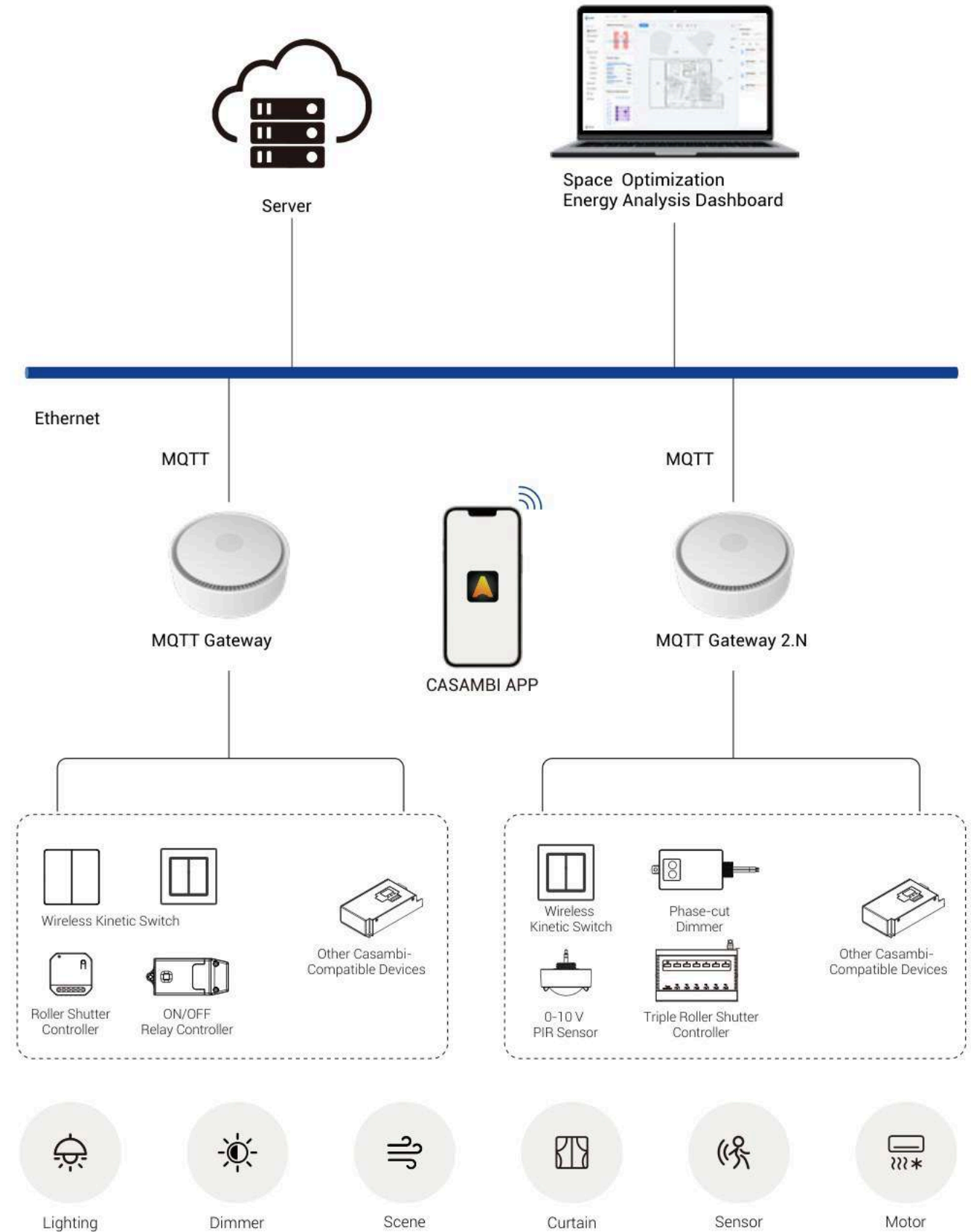
5



CASAMBI

CASAMBI Commercial Lighting Control

CASAMBI Series



CASAMBI Series

CASAMBI Series CASAMBI

Space & Energy Intelligence Analysis & Optimization Platform

Space Analysis

See How Your Space Really Performs
Understand usage, uncover waste, and improve performance with confidence.



Lower Energy Bills

Reduce HVAC and lighting energy consumption by aligning usage with real occupancy.



Better Comfort, Higher Productivity

Automatically adapt lighting and environments to support daily operations and occupant comfort.



Use Less Space, Get More Value

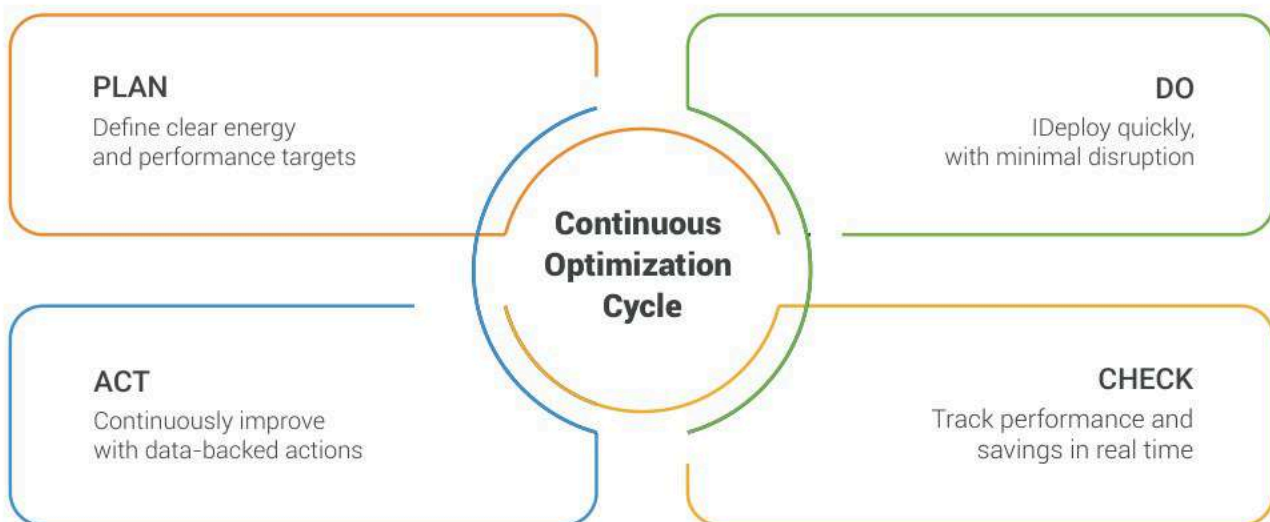
Turn usage data into informed decisions that reduce long-term operational and real estate costs.



Lower Operating and Real Estate Costs

Turn space and energy data into lower costs, better decisions, and compliance-ready results – without increasing operational complexity.

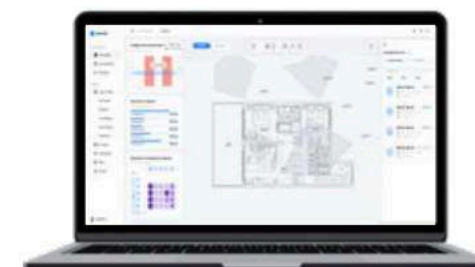
Turn space and energy data into lower costs, better decisions, and compliance-ready results – without adding operational complexity.



Space & Energy Intelligence Analysis & Optim

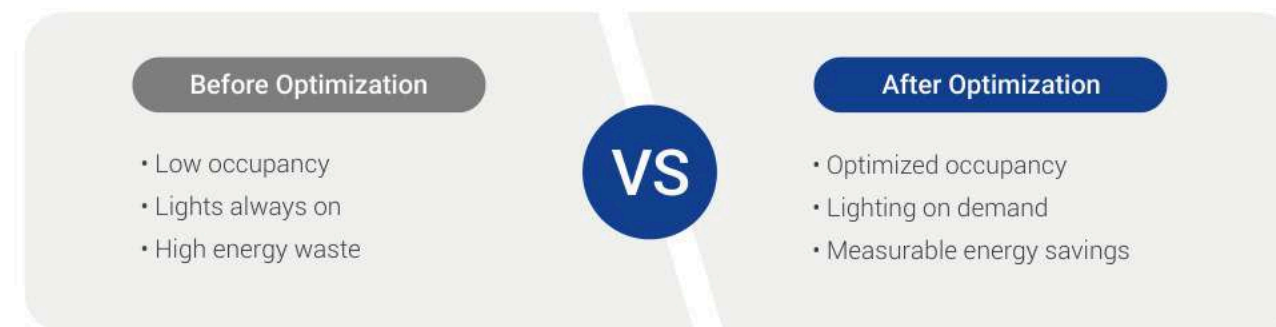
Energy Optimization

A proven path to measurable and repeatable savings




- Audit- and reporting-ready
- Provable energy savings
- Compliance without extra effort

A data-driven platform that turns space usage and energy data into measurable efficiency, cost savings, and compliance-ready results.




Supports both on-premise and cloud deployment, with no mandatory cloud dependency.

Optional: On-premises Server
Run the platform fully on-premise to keep data local, protect privacy, and meet IT and compliance requirements.



Recommended :
CPU: 12th Core
RAM: 16 GB ECC
Storage: RAID 1 TB
Typical: 5,000 devices

Optional: Cloud Server
Deploy in the cloud for fast scaling, multi-user access, and simplified collaboration across teams.



Recommended :
CPU: 4
Memory: 16 GB
CPU: Intel Xeon (Ice Lake)
Typical: 5,000 devices

CASAMBI Series

CASAMBI Series

CASAMBI Series CASAMBI

CASAMBI PIR Sensor

>> Ceiling Mounted PIR Sensor

- > No wiring required, flexible installation
- > Ultra-low power consumption design, Up to 6-year lifespan
- > PIR + Lux sensing
- > Casambi Mesh node

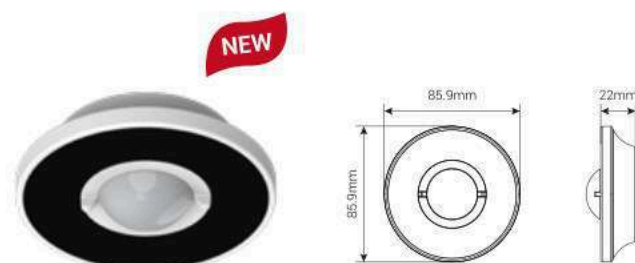
Model	H2-CAS-B
Frequency	Casambi 2.4 GHz
Power Supply	Battery CR123A
Detection Angle	360°
Detection Diameter	Max 8m
Mounting Height	2.5m
Mounting Method	Ceiling Installation



>> Solar-powered PIR Sensor

- > Solar solar-powered + supercapacitor
- > Ultra-low power consumption design + backup battery
- > PIR + Lux sensing
- > Interchangeable optical lenses

Model	H5-CAS
Frequency	Casambi 2.4 GHz
Power Supply	Solar-powered + Backup Battery
Detection Angle	360°
Detection Diameter	Low-bay: Max 12m, High-bay: Max 18m
Mounting Height	Low-bay: 3-12m, High-bay: 10-18m
Mounting Method	Ceiling Installation



>> Fixture Mounted Casambi to 0-10 V PIR Sensor

- > PIR + Lux sensing
- > Standard 0/1-10 V output interface
- > Casambi Mesh node
- > Compatible with **Alrouf** wireless kinetic switches

Model	H6-CAS-V-S
Frequency	Casambi 2.4 GHz
Power Supply	DC 12-24 V
Dimming Output	0-10 V, Max 20mA
Detection Angle	360°
Detection Diameter	5m
Mounting Height	2.5m
Mounting Method	Ceiling Installation



CASAMBI PIR Sensor

>> IP65 Casambi to 0-10 V PIR Sensor

- > PIR + Lux sensing
- > Standard 0/1-10 V output interface
- > IP65 rated waterproof design
- > Interchangeable optical lenses

Model	H7-CAS-V-S
Frequency	Casambi 2.4 GHz
Power Supply	DC 12-24 V
Dimming Output	0-10 V, Max 20mA
Detection Angle	360°
Detection Diameter	Low-bay: Max 12m, High-bay: Max 18m
Mounting Height	Low-bay: 3-12m, High-bay: 10-18m

White Black



>> Fixture-Integrated Casambi to 0-10 V PIR Sensor

- > PIR + Lux sensing
- > Standard 0/1-10 V output interface
- > Casambi Mesh node
- > Compatible with **Alrouf** wireless kinetic switches

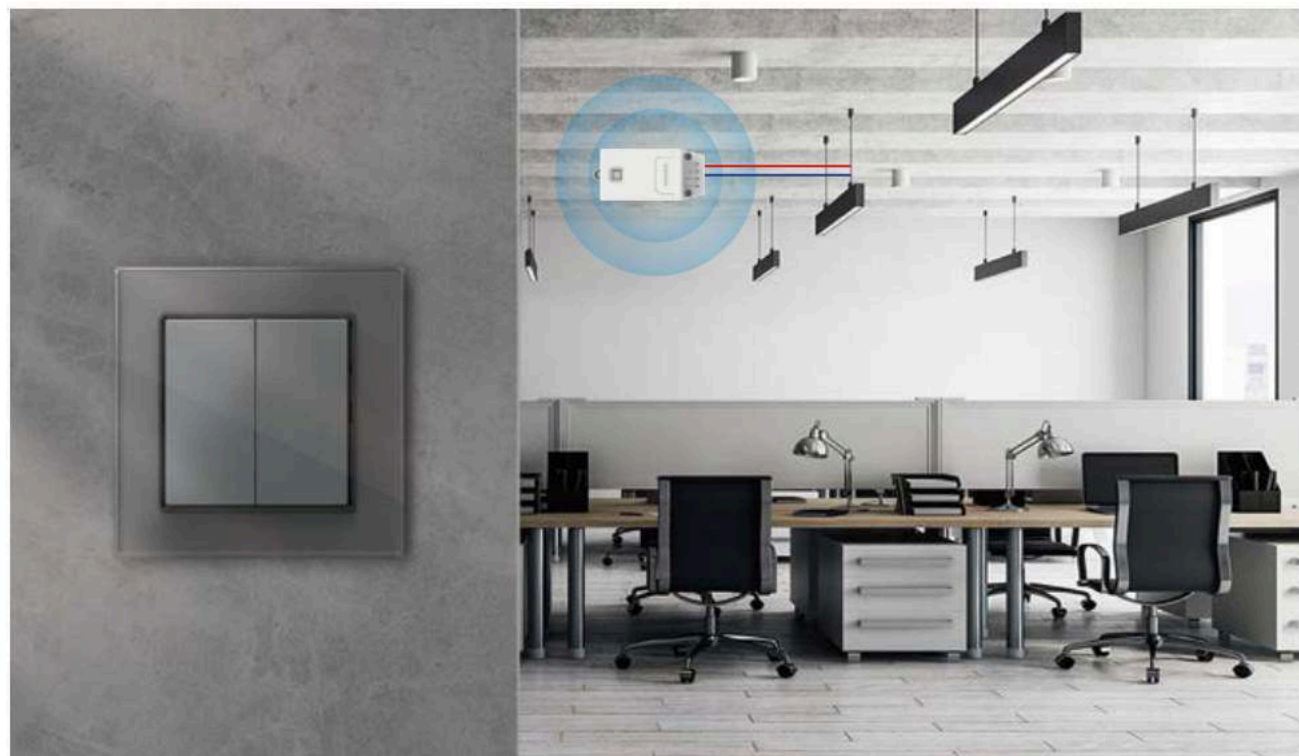
Model	H8-CAS-V-S
Frequency	Casambi 2.4 GHz
Power Supply	DC 12-24 V
Dimming Output	0-10 V, Max 20mA
Detection Angle	360°
Detection Diameter	5m
Mounting Height	2.5m

White Black



CASAMBI Series CASAMBI

CASAMBI Kinetic Switch



Preparation Phase

1. Download the Casambi app from Apple App Store.
2. Install the Casambi app.
3. Create a network and/or add devices to a network.
4. Go to the "More" page.
5. Choose the "Switch" page.
6. Choose one controller, each controller contains eight channels.
7. Set parameters "learning".

Pairing phase

8. Click More in the lower right corner and select Switches to add a switch.
9. Place your phone on the lower part of the switch in the position shown below to add the switch using NFC.
10. After adding successfully, you can see the switch model you just added in the switch, and click to enter the switch for setting. You can set the key sequence and the function of each key.

Clear the pairing information

Go back to the screen of switches, select the switch you need to remove, right slide and select Delete to remove the switch.



CASAMBI Kinetic Switch

>> Europe Design Wireless Kinetic Switch

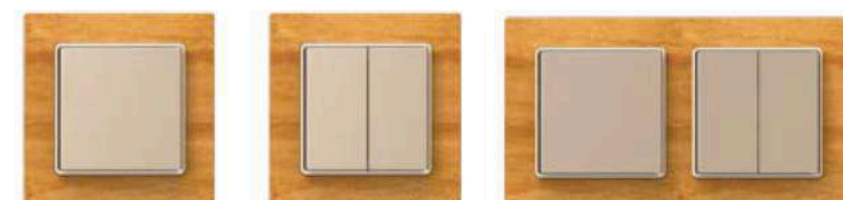
- > Transmitter casambi signals
- > Wood, Glass, Acrylic type
- > No wires, no batteries, no limits



Model	E4-BT02
Frequency	2.4 GHz
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available In custom colors)



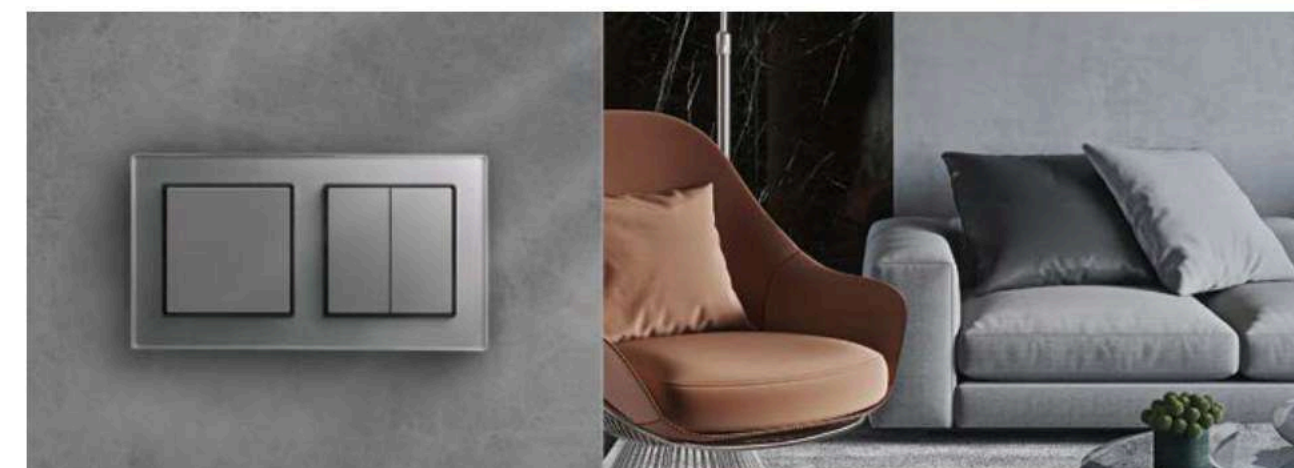
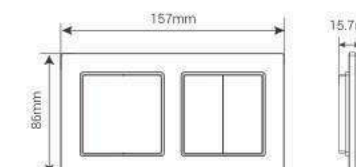
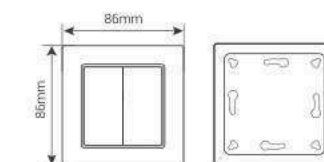
Glass



Wood



Acrylic



CASAMBI Series CASAMBI

CASAMBI Kinetic Switch

>> Wireless Kinetic Switch

- > Rebound type, dimmable kinetic switch
- > No wires, no batteries, no limits

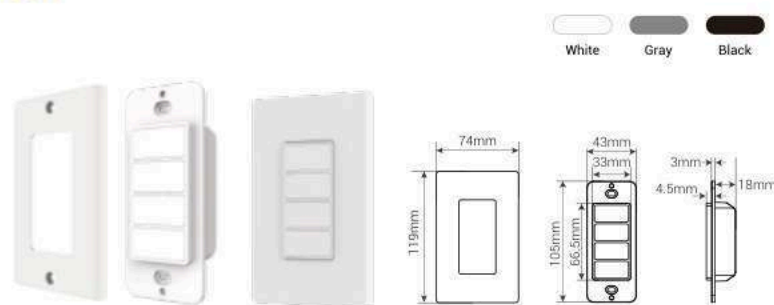
Model	S3-BT02
Frequency	2.4 GHz
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available in custom colors)



>> Multi-button Wireless Kinetic Switch

- > US standard
- > No wires, no batteries, no limits

Model	U4-BT02
Frequency	2.4 GHz
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available in custom colors)

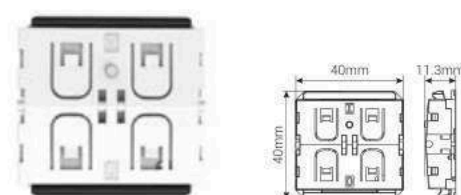


CASAMBI Transmitter Module

>> Wireless Kinetic Transmitter Module

- > Transmitter casambi signals
- > Self-Powered, no wiring required, no batteries to replace
- > Can be used with a variety of switch appearances

Model	EMT08-BT02
Frequency	2.4 GHz
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor



CASAMBI Controller

>> Dry Contact Controller

- > Extremely small, can be stored in the switch box
- > 1-channel 5A DC controller
- > Support Casambi APP

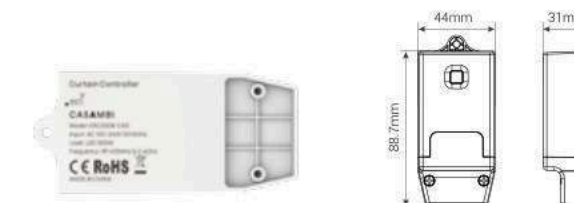
Model	C2209-CAS
Frequency	RF 433 MHz / 2.4 GHz
Power Supply	DC 8-48V
Rated Current	5A
Relay Type	SPDT
Channel	1
Wired Switch	Push Button / Rocker Switch



>> Roller Shutter

- > External installation
- > 2CH 300W roller shutter
- > Support Casambi APP

Model	C2508-CAS
Frequency	RF 433 MHz / 2.4 GHz
Power Supply	AC 100-240 V
Channel	2
Rated Power	300W



>> Signal Converter

- > External installation
- > Convert the RF signals to Casambi signals

Model	C1210-CAS
Frequency	RF 433 MHz / 2.4 GHz
Power Supply	AC 100-240 V
Installation Method	External
Control Distance	RF: 80m outdoor, 25m indoor



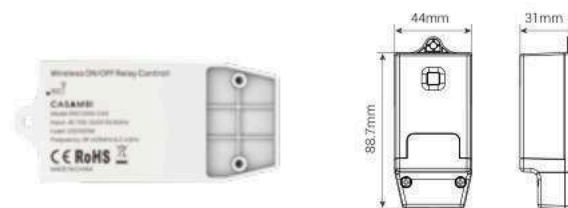
CASAMBI Series CASAMBI

CASAMBI Controller

>> On/Off Controller

- > External installation
- > 1-channel 600W ON/OFF control
- > Support Casambi APP

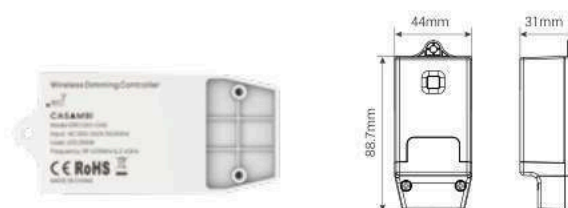
Model	C1209-CAS
Frequency	RF 433 MHz / 2.4 GHz
Power Supply	AC 100-240 V
Relay	10A
Zero Crossing Protection	1
Resistive Load Per Channel	6A/220V AC
Max LED Load Per Channel	600W ~ 220V



>> Phase-cut Dimmer

- > External installation
- > 1-channel 150W/250W optional ON/OFF control
- > Support Casambi APP

Model	C1201-CAS
Frequency	RF 433 MHz / 2.4 GHz
Power Supply	AC 200-240V
Load Power	LED:150W / LED:250W
Installation Method	External
Phase Cutting Method	Leading / Trailing Edge Dimming



>> Phase-cut Dimmer

- > Install with American screw thread
- > Support AC 100-120V or AC 200-240V
- > Support Casambi APP

Model	C1201-CAS
Frequency	RF 433 MHz / 2.4 GHz
Power Supply	AC 100-120V / AC 200-240V
Load Power	LED:300W
Installation Method	External
Phase Cutting Method	Leading / Trailing Edge Dimming



CASAMBI Controller

>> Roller Shutter Controller

- > Multiple Casambi Profile modes
- > Supports both AC loads and DC dry-contact loads (12VDC-240VAC)
- > Supports Casambi kinetic switches and sensors

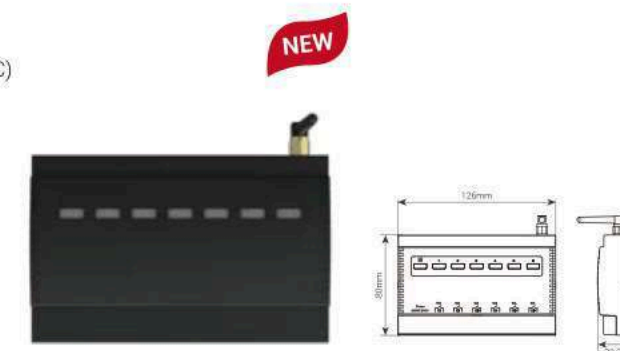
Model	ERC22A02-CAS
Frequency	Casambi 2.4 GHz
Power Supply	AC 100-240V / DC 12-100V
Output Channel	2
Installation Method	DIN-Rail Mount
Relay	Relay Output Dry-Contact Output
Max.Load	8A (resistive load) / 4A (capacitive load) / 1A (inductive load)



>> Triple Roller Shutter Controller

- > Multiple Casambi Profile modes
- > Supports both AC loads and DC dry-contact loads (12VDC-240VAC)
- > Channel interlock to prevent mis-triggering
- > 6-channel centralized control

Model	ERC107-CAS
Frequency	Casambi 2.4 GHz
Power Supply	AC 100-240V / DC 12-100V
Output Channel	6
Installation Method	DIN-Rail Mount
Relay	Relay Output Dry-Contact Output
Max.Load	16A (resistive load) 8A (capacitive load) 2A (inductive load)

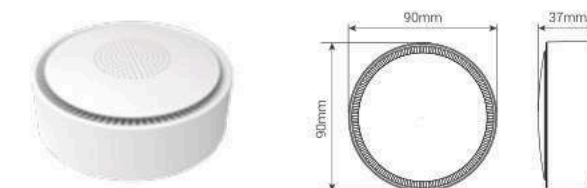


MQTT Gateway

>> CASAMBI to MQTT Gateway

- > Connect Casambi System to MQTT Standard
- > Ethernet Communication

Model	ECH109
Power Supply	DC 5V
Controller Distance	50m outdoor, 20m indoor
Uplink Communication	Ethernet
Downlink Communication	CASAMBI



Technology Partner
SILVAIR

SILVAIR Kinetic Switch

>> Europe Design wireless kinetic switch

- > Transmitter Silvaair signals
- > Wood, Glass, Acrylic type
- > No wires, no batteries, no limits



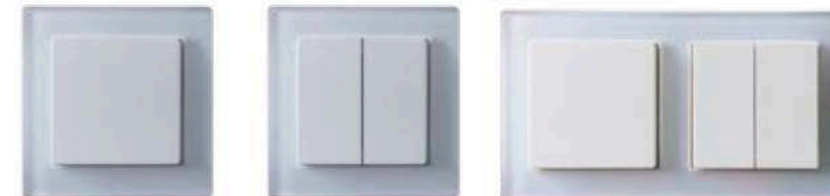
Model	E4-BT01
Frequency	2.4 GHz
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available In custom colors)



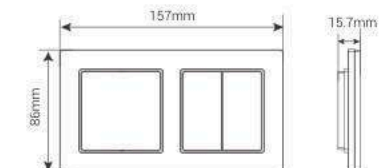
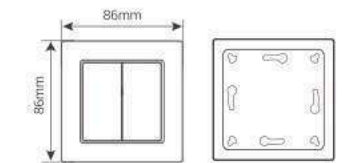
Glass



Wood



Acrylic

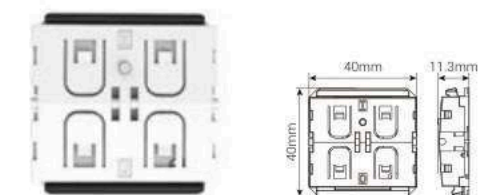


SILVAIR Transmitter Module

>> Wireless Kinetic Transmitter Module

- > Silvaair program is optional
- > Self-Powered, no wiring required, no batteries to replace
- > Can be used with a variety of switch appearances

Model	EMT08
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Control Distance	50m outdoor, 25m indoor
Operating Temperature	-20~55°C



SILVAIR Series



SILVAIR Series

 Technology Partner
SILVAIR

SILVAIR Kinetic Switch

>> Wireless Kinetic Switch

- > Transmitter Silvair signals
- > Rebound type, dimmable kinetic switch
- > No wires, no batteries, no limits

Model	S3-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Operating Temperature	-20~55°C
Colors	White, Black, Grey (Available In custom colors)



>> Kinetic Pocket Switch

- > Transmitter Silvair signals
- > Pocket-sized switch, smaller, easy portability
- > Magnetic base design. Can be easily removed after installation

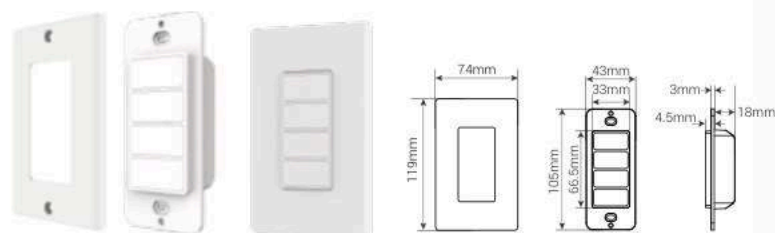
Model	P1-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black



>> Multi-button Wireless Kinetic Switch

- > Transmitter Silvair signals
- > US standard
- > No wires, no batteries, no limits

Model	U4-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4
Operating Distance	50m outdoor, 25m indoor
Operating Temperature	-20~55°C
Colors	White, Black, Grey (Available In custom colors)

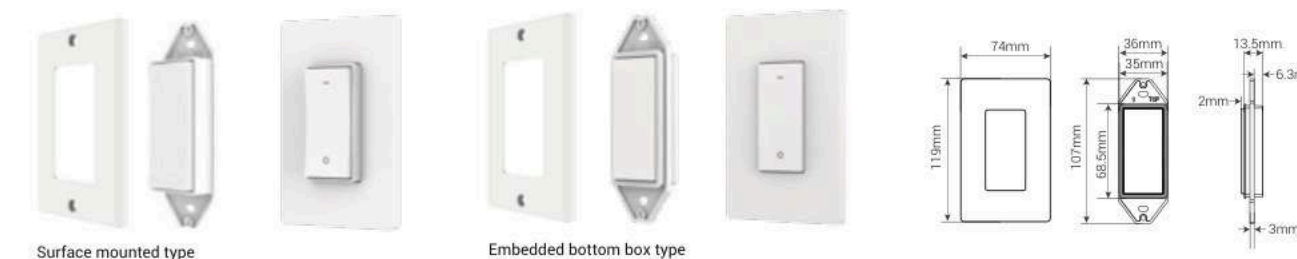
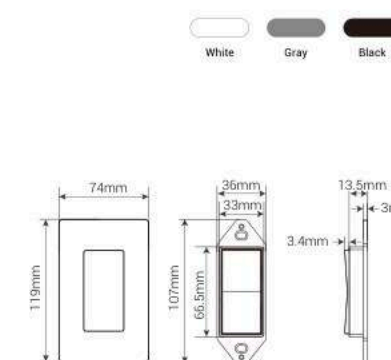


SILVAIR Kinetic Switch

>> Classic Type Wireless Kinetic Switch

- > US standard size
- > The button is fixed on the switch and cannot be removed
- > Composed of two parts: kinetic button and face cover

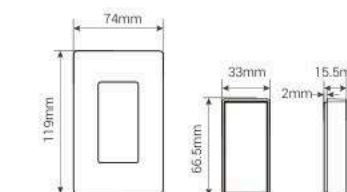
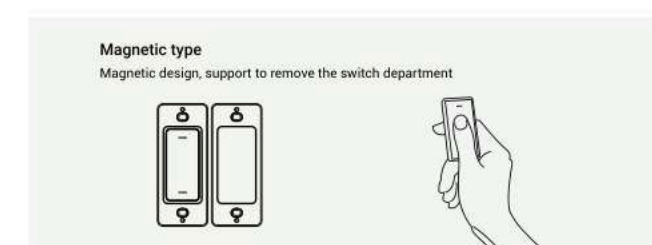
Model	U2-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available In custom colors)



>> Magnetic Type Wireless Kinetic Switch

- > US standard size
- > The button can be removed and put back at will
- > Composed of three parts: magnetic button, button base and face cover

Model	U1-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available In custom colors)



SILVAIR Series **SILVAIR**

Technology Partner

SILVAIR PIR Sensor

>> Ceiling Mounted PIR Sensor

- > PIR + Lux sensing
- > Two versions are available for different scenarios
- > Silvaair Mesh node
- > Compatible with **Alrouf** wireless kinetic switches

Model	H2-AC-SVA / H2-ACD-SVA
Frequency	Silvaair 2.4 GHz
Power Supply	AC 100-277 V
Dimming Output	- / 0-10 V, Max 20mA
Detection Diameter	Max 8m
Mounting Height	2.5m



>> Fixture Mounted SILVAIR to 0-10 V PIR Sensor

- > PIR + Lux sensing
- > Standard 0/1 – 10 V output interface
- > Silvaair Mesh node
- > Compatible with **Alrouf** wireless kinetic switches

Model	H6-SVA-V-S
Frequency	Silvaair 2.4 GHz
Power Supply	DC 12-24 V
Dimming Output	0-10 V, Max 20mA
Detection Angle	360°
Detection Diameter	5m
Mounting Height	2.5m



>> Fixture-Integrated SILVAIR to 0-10 V PIR Sensor

- > PIR + Lux sensing
- > Standard 0/1 – 10 V output interface
- > Silvaair Mesh node
- > Compatible with **Alrouf** wireless kinetic switches

Model	H8-CAS-V-S
Frequency	Silvaair 2.4 GHz
Power Supply	DC 12-24 V
Dimming Output	0-10 V, Max 20mA
Detection Angle	360°
Detection Diameter	5m
Mounting Height	2.5m



SILVAIR PIR Sensor

>> IP65 SILVAIR to 0-10 V PIR Sensor

- > PIR + Lux sensing
- > Standard 0/1 – 10 V output interface
- > IP65 rated waterproof design
- > Interchangeable optical lenses

Model	H7-CAS-V-S
Frequency	Casambi 2.4 GHz
Power Supply	DC 12-24 V
Dimming Output	0-10 V, Max 20mA
Detection Angle	360°
Detection Diameter	Low-bay: Max 12m, High-bay: Max 18m
Mounting Height	Low-bay: 3-12m, High-bay: 10-18m


 White Black


SILVAIR Controller

>> Compact Dry Contact Controller

- > Compatible with the silvaair programme
- > Extremely small size, can be stored in the switch bottom box
- > 1-channel DC SPDT control

Model	ERC2209-SVA
Frequency	2.4 GHz
Power Supply	DC 8-48V
Switching Component	Relay
Output Channel	1



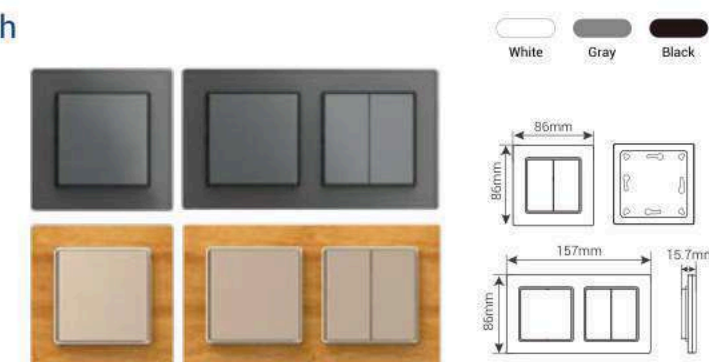


MESHLE Kinetic Switch

>> Europe Design Wireless kinetic Switch

- > Wood, Glass, Acrylic type
- > No wires, no batteries, no limits

Model	E4-BT01
Frequency	2.4 GHz
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available In custom colors)



>> Wireless Kinetic Switch

- > Transmitter Meshle signals
- > Rebound type, dimmable kinetic switch
- > No wires, no batteries, no limits

Model	S3-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available in custom colors)



>> Micro Wireless Kinetic Pocket Switch

- > Transmitter Meshle signals
- > Pocket-sized switch, smaller, easy portability
- > Magnetic base design. Can be easily removed after installation

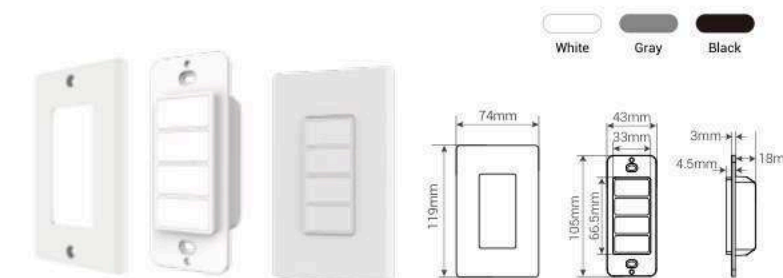
Model	P1-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4
Colors	White, Black



>> Multi-button US Standard Wireless Kinetic Switch

- > Transmitter Meshle signals
- > US standard
- > No wires, no batteries, no limits

Model	U4-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available in custom colors)



MESHLE Series



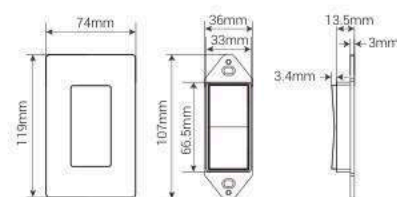
MESHLE Series

MESHLE Kinetic Switch

>> US Standard Wireless Kinetic Switch

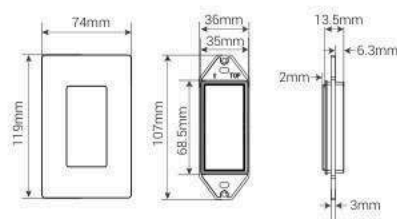
- > US standard size
- > The button is fixed on the switch and cannot be removed
- > Composed of two parts: kinetic button and face cover

Model	U1-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available In custom colors)



Surface mounted type

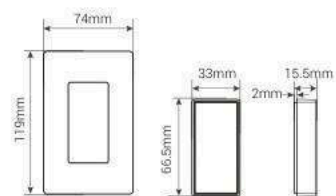
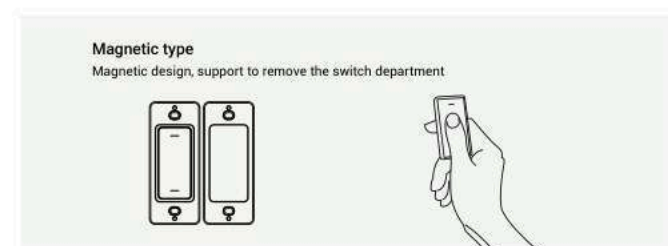
Embedded bottom box type



>> US Standard Magnetic Wireless Kinetic Switch

- > US standard size
- > The button can be removed and put back at will
- > Composed of three parts: magnetic button, button base and face cover

Model	U2-BT01
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	2
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black, Grey (Available In custom colors)

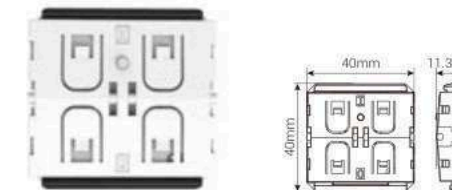


MESHLE Kinetic Transmitter Module

>> Wireless Kinetic Transmitter Module

- > Silvaire program is optional
- > Self-Powered, no wiring required, no batteries to replace
- > Can be used with a variety of switch appearances

Model	EMT08
Frequency	2.4 GHz
Power Supply	Self-Powered
Switch Type	Push-Button
Control Distance	50m outdoor, 25m indoor
Operating Temperature	-20~55°C



MESHLE Controller

>> 2-Channel Compact Controller

- > Compatible with the silvaire programme
- > Extremely small size, can be stored in the switch bottom box
- > 2-channel AC ON/OFF control

Model	ERC2202-MLE
Frequency	2.4 GHz
Power Supply	AC 100-240 V
Switching Component	Relay
Output Channel	2
Wired Switch	Push Button / Rocker Switch

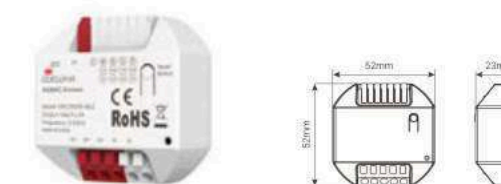


MESHLE RGBWC Dimmer

>> Compact RGBWC Dimmer

- > Compatible with the silvaire programme
- > Extremely small size, can be stored in the switch bottom box
- > 5 channel DC RGBWC control

Model	ERC23A06-MLE
Frequency	2.4 GHz
Power Supply	DC 12-48V
Switching Component	Mos
Output Channel	5

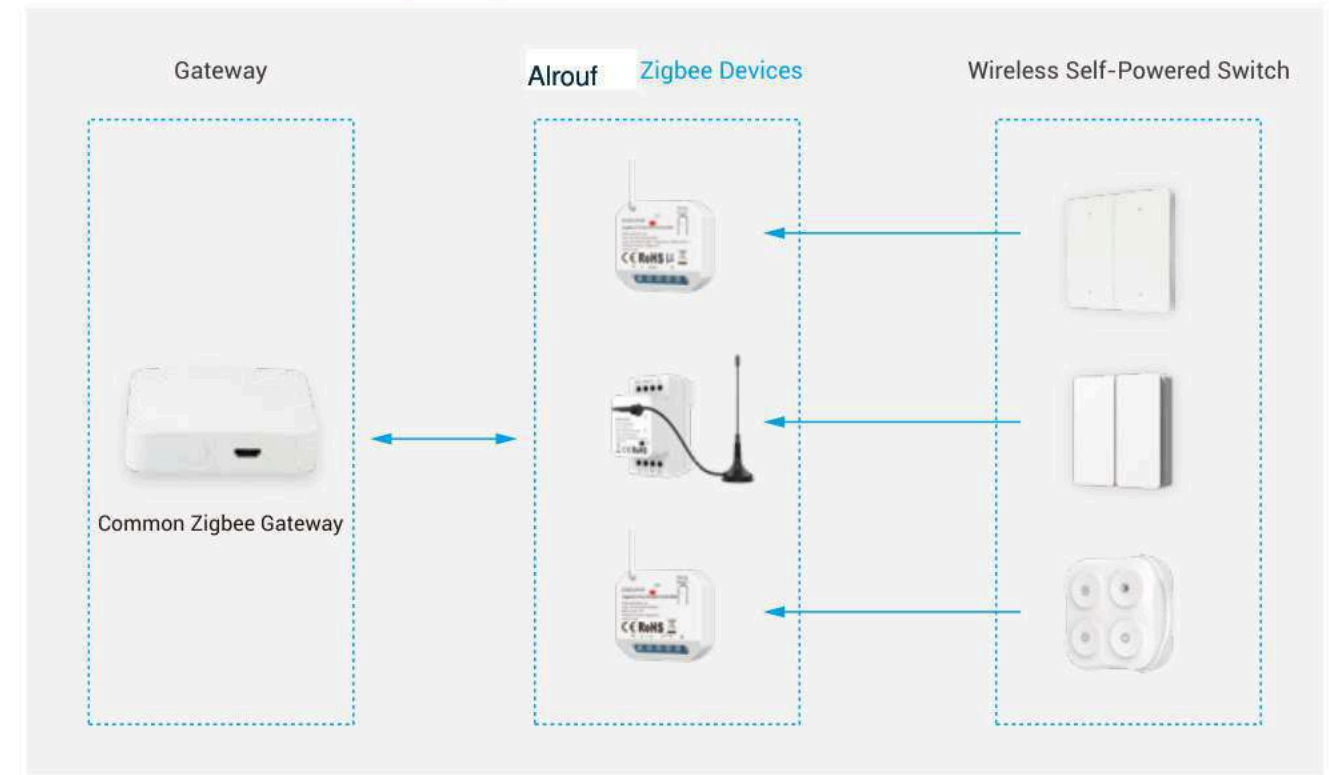


Zigbee Green Power & Zigbee 3.0 Series

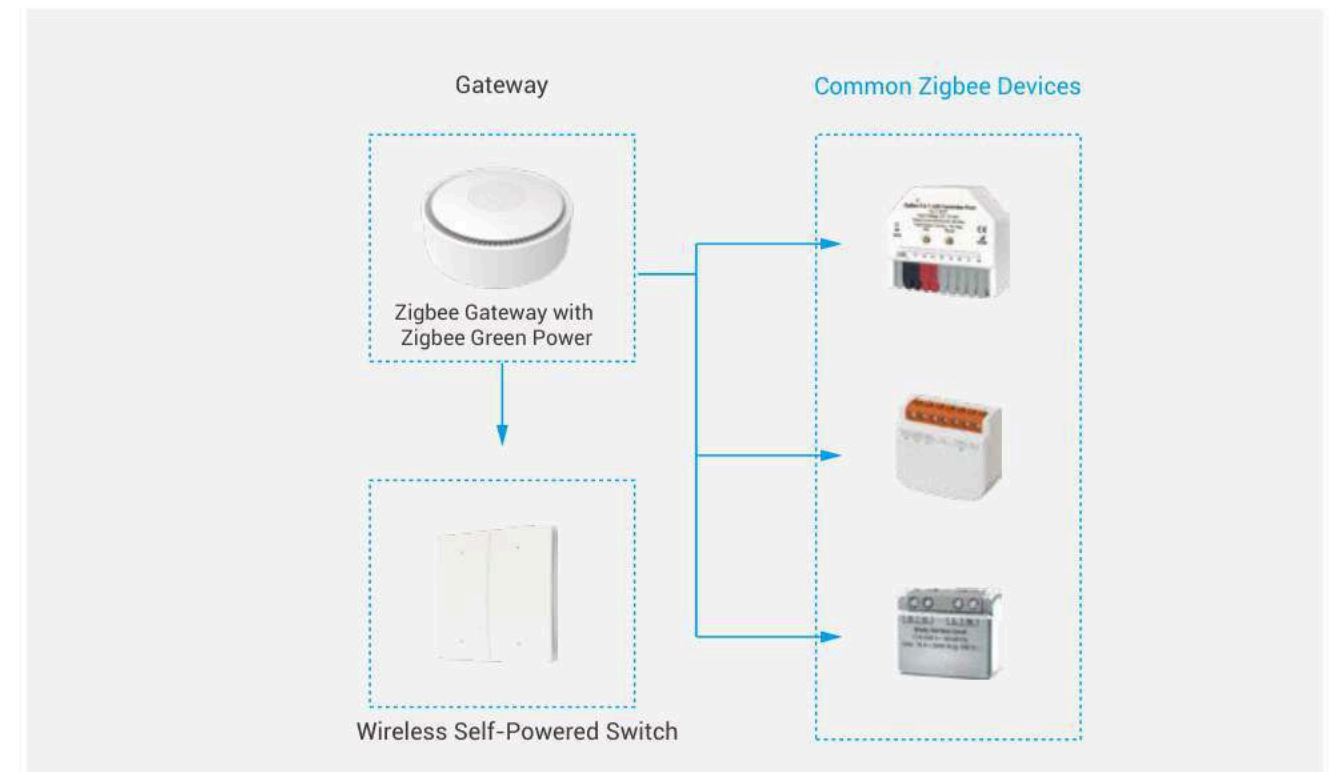


Zigbee Green Power & Zigbee 3.0 Produ

Controlled via one-to-one pairing



Controlled via scene triggers



Zigbee 3.0 Solution

Zigbee 3.0 Solution

Zigbee Green Power Kinetic Switch

>> Zigbee Green Power Kinetic Switch

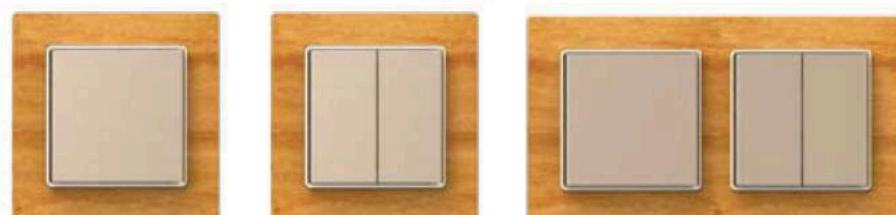
- > Energy Harvesting – Self-Powered
- > Wood, Glass, Acrylic type
- > Ultra-Low Power and Efficient Communication

- > Full Compatibility with Zigbee 3.0 Network
- > Direct Pairing with Controller – No Gateway Required
- > Available in 2 or 4-Button Layouts for Flexible Control.

Model	E4-ZGP01
Protocol	Zigbee 3.0
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Distance	50m outdoor, 25m indoor
Colors	White, Black, Grey (Available In custom colors)



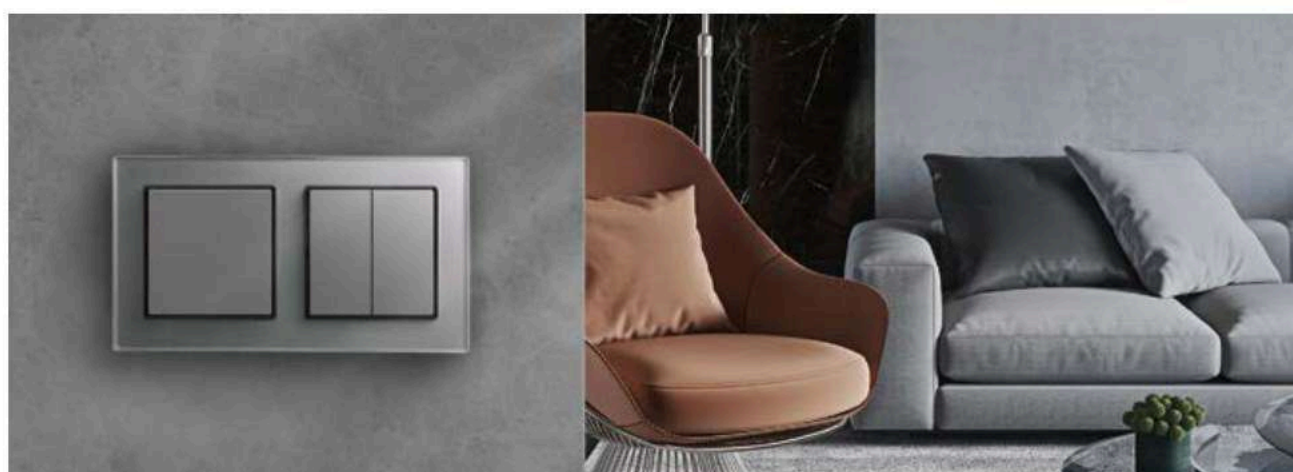
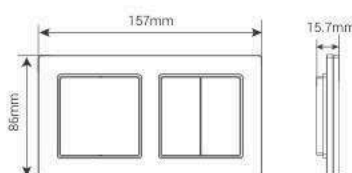
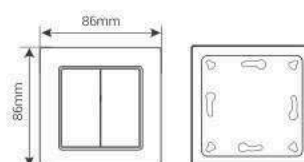
Glass



Wood



Acrylic



Zigbee Green Power Kinetic Switch

>> Zigbee Green Power Kinetic Switch

- > Standard 86-Type Form Factor, Available in 2 or 4-Button Layouts for Flexible Control
- > Energy Harvesting – Self-Powered
- > Direct Pairing with Controller – No Gateway Required
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication

Model	S3-ZGP01
Protocol	Zigbee 3.0
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
Operating Temperature	-20°C~+55°C
Colors	White, Black, Grey (Available in custom colors)



>> Slim Zigbee Green Power Kinetic Switch

- > Wireless Installation, Flexible Placement, One-touch Control, Multiple Applications
- > Slim and Elegant Design, Dual-switch Magnetic Base, Long Lifespan, High Reliability
- > Direct Pairing with Controller – No Gateway Required
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication

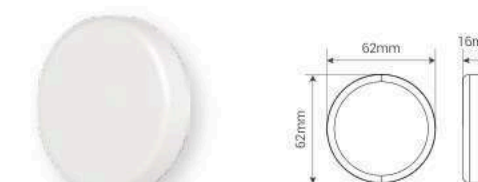
Model	N1-ZGP01
Protocol	Zigbee 3.0
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	2, 4
IP	IP67
Operating Temperature	-20°C~+55°C



>> Circular Zigbee Green Power Push Button

- > A Circular Push Button That Supports Tapping
- > Energy Harvesting – Self-Powered.
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication
- > Direct Pairing with Controller – No Gateway Required

Model	Q7-ZGP01
Protocol	Zigbee 3.0
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	1
Operating Temperature	-20°C~+55°C
Mechanical Life	>100,000 times



Zigbee 3.0 Solution

Zigbee Green Power Kinetic Switch

>> Zigbee Green Power Kinetic Switch

- > Pocket-Sized Switch, Smaller, Easy Portability
- > Magnetic Base design. Can be easily removed after installation
- > Energy Harvesting – Self-Powered.
- > Direct Pairing with Controller – No Gateway Required
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication

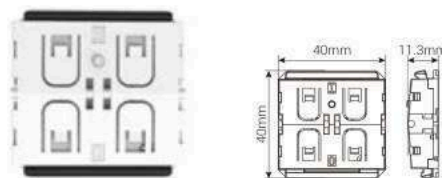
Model	P1-ZGP01
Protocol	Zigbee 3.0
Switch Type	Push button
Power Supply	Self-Powered
Buttons Options	4
Operating Temperature	-20°C~+55°C
Mechanical Life	>100,000 times



>> Zigbee Green Power Kinetic Switch Module

- > Modular Design – Fully Customizable Appearance
- > Direct Pairing with Controller – No Gateway Required
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication
- > Energy Harvesting – Self-Powered.

Model	EMT08-ZGP01
Protocol	Zigbee 3.0
Power Supply	Self-Powered
Switch Type	Push-Button
Operating Range	20°C~+55°C
Operating Temperature	>100,000 times

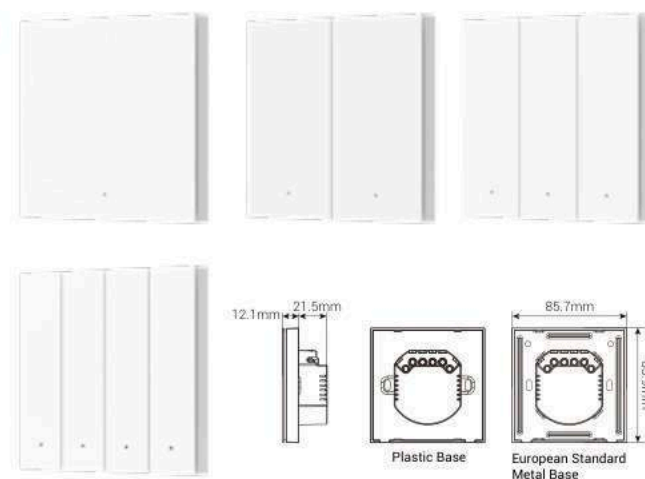


Zigbee 3.0 Wall Switch

>> Zigbee 3.0 Wall Switch

- > Standard 86-Type Form Factor
- > Unified Zigbee 3.0 Standard – High Compatibility
- > Supports Direct Control from Zigbee Green Power Kinetic Switch
- > OTA Firmware Upgrade

Model	GW1-ZGP01
Protocol	Zigbee 3.0
Power Supply	AC 100-240 V
Relay	10A
Resistive Load each Channel	3~600W
LED Load Per Channel	3~300W
Buttons Options	1, 2, 3, 4
Channels	1, 2, 3, 4



Zigbee Green Power Door / Window Kinetic S

>> Zigbee Green Power Door / Window Sensor

- > Triggers Automation for Lights, Security, or Curtain Systems.
- > Multiple Design Choices, Easily Interchangeable,
- > Ideal for Furniture and Door Applications
- > Direct Pairing with Controller – No Gateway Required
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication

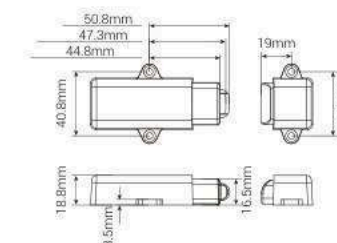
Model	D1-ZGP01
Protocol	Zigbee 3.0
Power Supply	Self-Powered
Switch Type	Push-Button
Operating Temperature	-20°C~+55°C
Mechanical Life	>100,000 times

Model	D2-ZGP01
Protocol	Zigbee 3.0
Power Supply	Self-Powered
Switch Type	Push-Button
Operating Temperature	-20°C~+55°C
Mechanical Life	>100,000 times



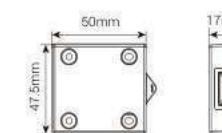
Sleeve Door sensor

D1-ZGP01



D2-ZGP01

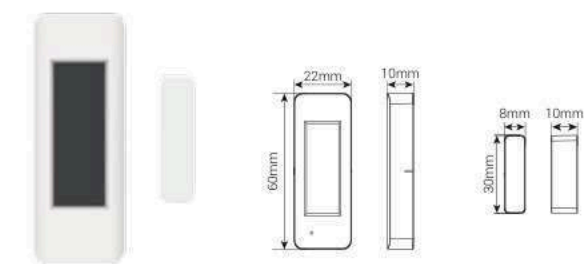
White Grey



>> Zigbee Green Power Door / Window Solar Sensor

- > Permanent Solar Power, solar-powered, Magnetic Reed Switch Design
- > Fade-Resistant housing and IP65 Rating, Designed for Outdoor Installation
- > Direct Pairing with Controller – No Gateway Required
- > Full Compatibility with Zigbee 3.0 Network
- > Ultra-Low Power and Efficient Communication

Model	D9-ZGP01
Protocol	Zigbee 3.0
Power Supply	Solar-powered
Switch Type	Push-Button
IP	IP65
Operating Temperature	20°C~+55°C
Mechanical Life	>100,000 times



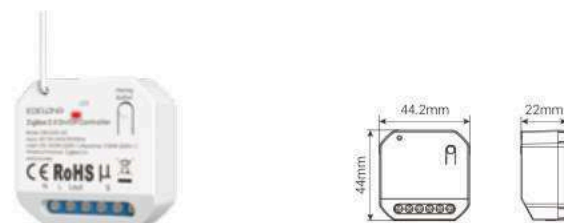
Zigbee 3.0 Solution

Zigbee 3.0 On/Off Controller

>> Zigbee 3.0 On/Off Controller

- > Extremely small size, can be stored in the switch bottom box
- > Unified Zigbee 3.0 Standard – High Compatibility
- > Supports Load Up to Max 5A Current
- > Supports Direct Control from Zigbee Green Power Kinetic Switch
- > OTA Firmware Upgrade

Model	ERC2201-SZ
Protocol	Zigbee 3.0
Power Supply	AC 100-240 V
Relay	8A
Zero Crossing Protection	yes
Resistive Load Per Channel	5A/220V AC
Max LED Load Per Channel	500W ~ 220V
Wired Switch	Support push rocker button



>> Zigbee 3.0 On/Off Controller

- > Extremely small size, can be stored in the switch bottom box
- > Unified Zigbee 3.0 Standard – High Compatibility
- > Supports Load Up to Max 5A Current
- > Supports Direct Control from Zigbee Green Power Kinetic Switch
- > OTA Firmware Upgrade

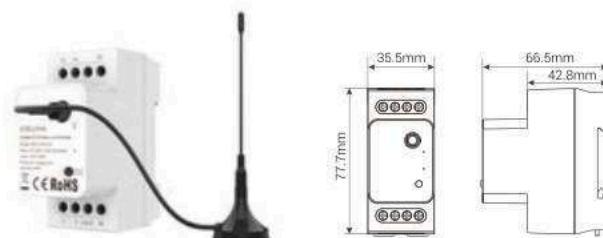
Model	ERC2101-SZ
Protocol	Zigbee 3.0
Power Supply	AC 100-240 V
Relay	16A
Zero Crossing Protection	yes
Resistive Load Per Channel	10A/220 V AC
Max LED Load Per Channel	1000W ~ 220V
Wired Switch	Support push rocker button



>> Zigbee 3.0 Phase-Cut Dimmer

- > Extremely Small Size, Can be Store in The Switch Bottom Box
- > 1-channel 150W, Support Leading / Trailing Edge Dimming
- > Unified Zigbee 3.0 Standard – High Compatibility
- > Supports Direct Control from Zigbee Green Power Kinetic Switch
- > OTA Firmware Upgrade

Model	ERC2103-SZ
Protocol	Zigbee 3.0
Power Supply	AC 200-240 V
LED Load	150W
Phase Cutting Method	Leading / Trailing Edge Dimming
Component Type	MOS
Wired Switch	Support push rocker button



Zigbee 3.0 Dry Contact Controller

>> Zigbee 3.0 Dry Contact Smart Controller

- > Extremely Small Size Dry Contact Controller
- > Extremely Small Size, Can be Store in The Switch Bottom Box
- > ON/OFF 1-channel Control
- > Unified Zigbee 3.0 Standard – High Compatibility
- > Supports Direct Control from Zigbee Green Power Kinetic Switch
- > OTA Firmware Upgrade

Model	ERC2204-SZ
Protocol	Zigbee 3.0
Power Supply	AC 100-240 V
Relay	16A
Zero Crossing Protection	yes
Resistive Load Per Channel	10A/220V AC
Max LED Load Per Channel	1100W ~ 220V
Wired Switch	Support push rocker button



Zigbee 3.0 Phase-Cut Dimmer

>> Zigbee 3.0 Phase-Cut Dimmer

- > Extremely Small Size, Can be Store in The Switch Bottom Box
- > 1-channel 150W, Support Leading / Trailing Edge Dimming
- > Unified Zigbee 3.0 Standard – High Compatibility
- > Supports Direct Control from Zigbee Green Power Kinetic Switch
- > OTA Firmware Upgrade

Model	ERC2203-SZ
Protocol	Zigbee 3.0
Power Supply	AC 200-240V
Phase Cutting Method	Leading / Trailing Edge Dimming
Component Type	MOS
Wired Switch	Support push rocker button

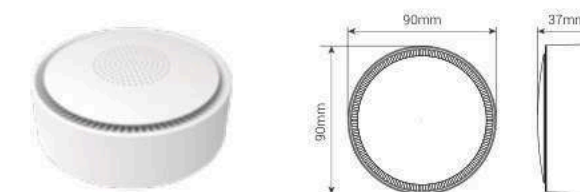


Zigbee to MQTT Gateway

>> Zigbee to MQTT Gateway

- > Connect MQTT System by Zigbee
- > Full Compatibility with Zigbee 3.0 Network
- > Can be Added Zigbee Green Power Switch and Standard Zigbee 3.0 Controllers
- > Power Made Simple: Universal Type-C for Ultimate Flexibility

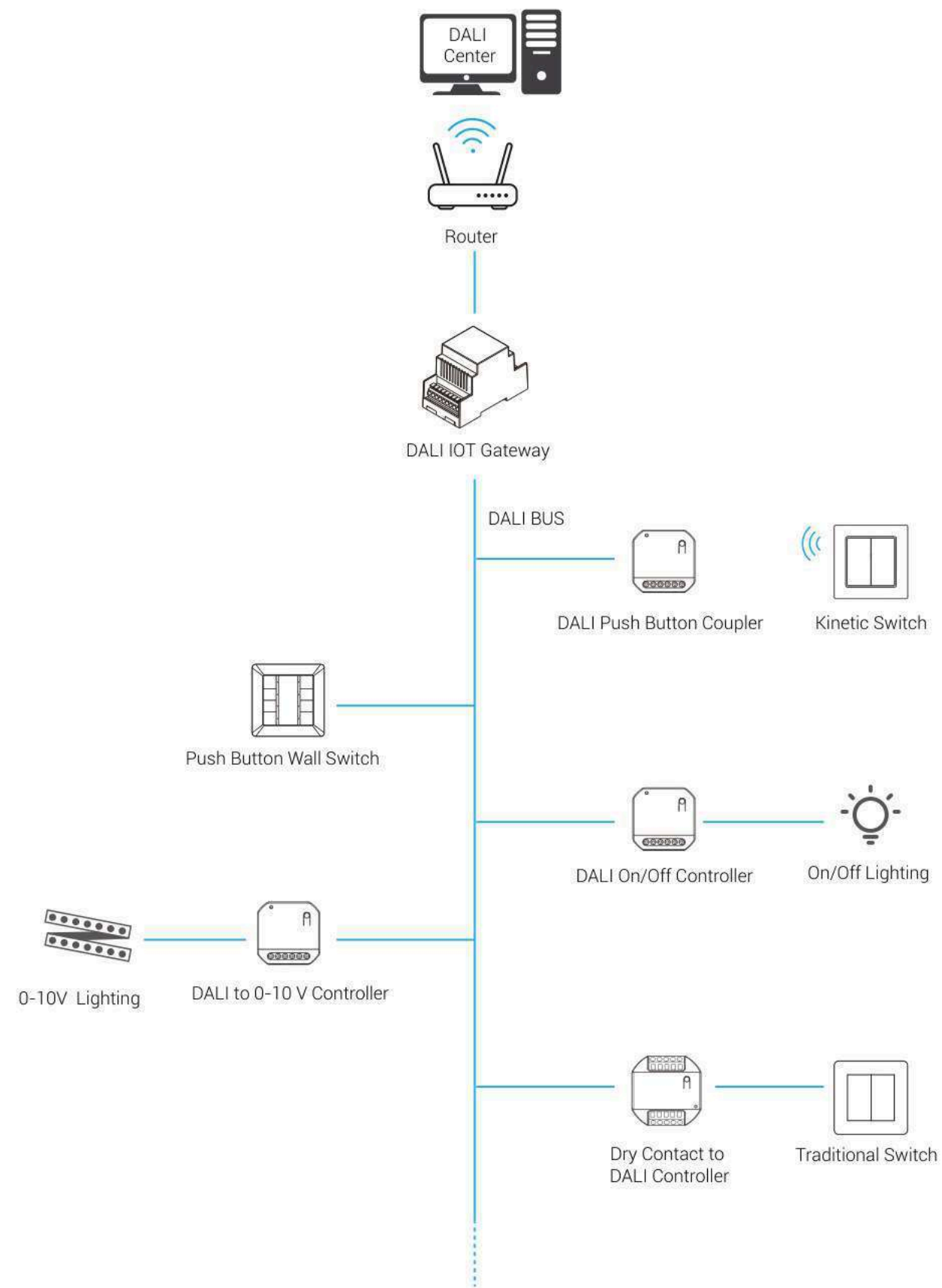
Model	ECH-106
Protocol	Zigbee 3.0
Power Supply	DC 5V
Control Distance	20m indoor
Volume	85dbm (at 1m)
Installation Method	External
Uplink Communication	Zigbee
Downlink Communication	MQTT



DALI Series

NEW

DALI Product Overview



DALI Series

DALI Series

DALI-2 Wall Switch

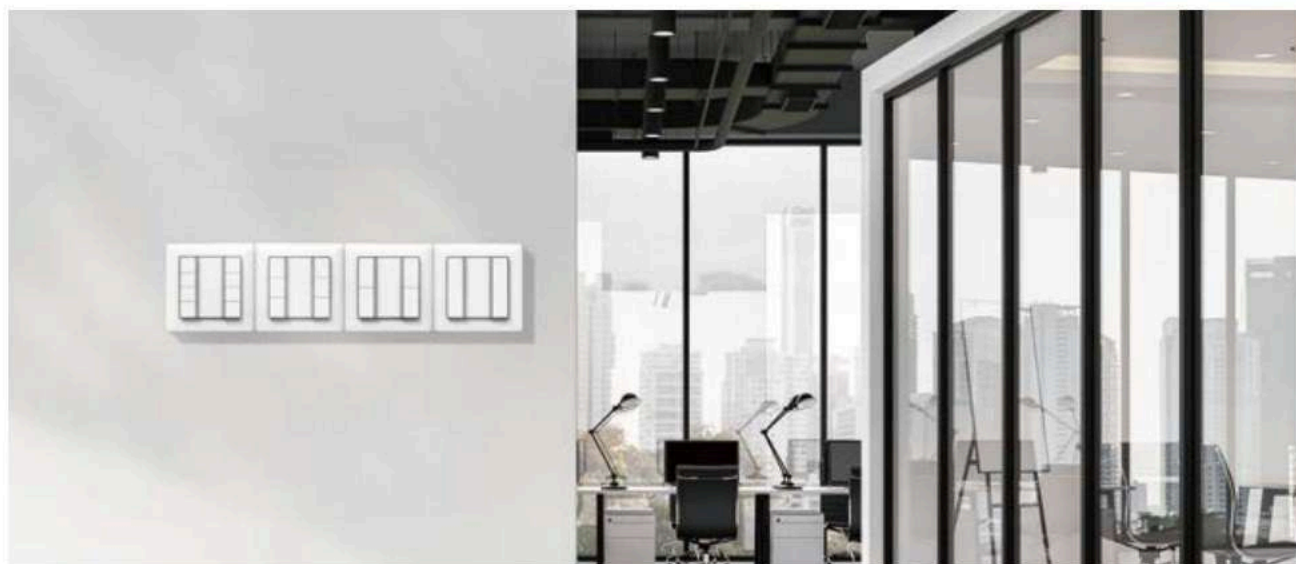
>> DALI-2 Push Button Wall Switch

- > Easy Installation
- > 2/4/6/8 keys options

> DALI-2 86-type wall panel



Model	GD Series
Power supply	From DALI bus
Input channels	2/4/6/8
Output type	DALI-2
Mains frequency	0 Hz
Dimmable	Yes



>> RF to DALI Protocol Converter

- > Convert the RF signals to the DALI signals
- > Powered by DALI bus

Model	ERC22-DALI
Power supply	From DALI Bus
Frequency	RF 433 MHz
Output Type	DALI signal
Current	<5mA
DALI Consumption	10mA
Wiring Type	Terminals



DALI-2 Coupler

>> DALI-2 Push Button Coupler



- > Extremely small size, can be stored in the switch bottom box
- > Converts RF signals to DALI-2.
- > Supports pairing with wireless kinetic switches.

Model	ERC22-DALI-2
Power supply	From DALI bus
Output type	DALI-2
Mains frequency	0 Hz
Dimmable	Yes



Gateway-Compatible Product List

Wireless Kinetic Switch

Picture Model	Frequency	Power Supply	Working Type	Buttons Options	Mechanical Life
 E4	RF 433 MHz	Self-Powered	Push-Button	2,4	>100,000 times
 M1	RF 433 MHz	Self-Powered	Push-Button	6	>100,000 times

Signal Transmitter

Picture Model	Output Signal	Power Supply	Channel	Input Signal	Installation Method	Wired Switch
 ERC2208	RF 433 MHz	AC 100-240 V 50/60Hz	2	Instantaneous strong electrical	Mounted-in	Support rocker switch

DALI Series

Signal Converter

>> DALI-2 to Wireless Converter


- > Supports conversion from DALI-2 to wireless sensors
- > Supports conversion from DALI-2 to wireless relays
- > Supports conversion from DALI-2 to wireless 0-10v dimmers
- > Mini size, easy to install in a standard wall box.

Model	ERC2215-DA
Power Supply	DALI Bus
Output Channel	8
Output Type	RF433
Installation Method	Mounted-in




Gateway-Compatible Product List

On/Off Controller

Picture Model	Frequency	Power Supply	Relay	Zero Crossing Protection	Resistive Loads each channel	LED each channel
 ERC2201	RF 433 MHz	AC 100-240 V	8A	yes	5A/220V AC	500W ~ 220V
 ERC2202	RF 433 MHz	AC 100-240 V	8A*2	yes	5A/220V AC	500W ~ 220V

0-10 V Dimmer

Picture Model	Frequency	Power Supply	Maximum Signal Output Current	Component Type	Installation Method
 ERC2302	RF 433 MHz	AC 100-240 V	30mA	MOS	Mounted-in

DALI Controller

>> DALI to On/Off Controller

- > Compliant with the DALI-2 standard
- > DALI bus powered, no extra power supply required
- > The loads can be switched on and off via DALI
- > Integrate the loads without DALI input into the DALI system

Model	ERC2213-DA
Power Supply	DALI Bus
Output Channel	1
Relay	5A
Max.Load	LED 500W(220V~) Resistive 1100W(220V~)
Installation Method	Mounted-in
Control Element	Relay



>> DALI to 0-10 V Controller

- > DT6 & DT7 versions available
- > Easily enables light dimming through 0-10 V output signals
- > Compatible with universal DALI systems and master controllers in the market
- > Compact module design for flexible installation in distribution boxes or lighting control systems

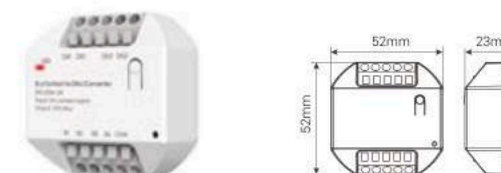
Model	ERC2214-DA
Power Supply	DALI Bus
Output Channel	1
Output Type	0-10 V
Installation Method	Mounted-in
Output Current	<10mA



>> Dry Contact to DALI Controller

- > Stable dry contact input for reliable environments.
- > Triggers DALI commands to control lights, curtains, and more.
- > Supports switching, dimming, and scene control.
- > Easy integration with the DALI system, minimizing upgrades.

Model	ERC2306-DA
Power Supply	DALI Bus
Input Type	Dry contact signal
Output Type	DALI signal
Input Channel	4
Installation Method	Mounted-in



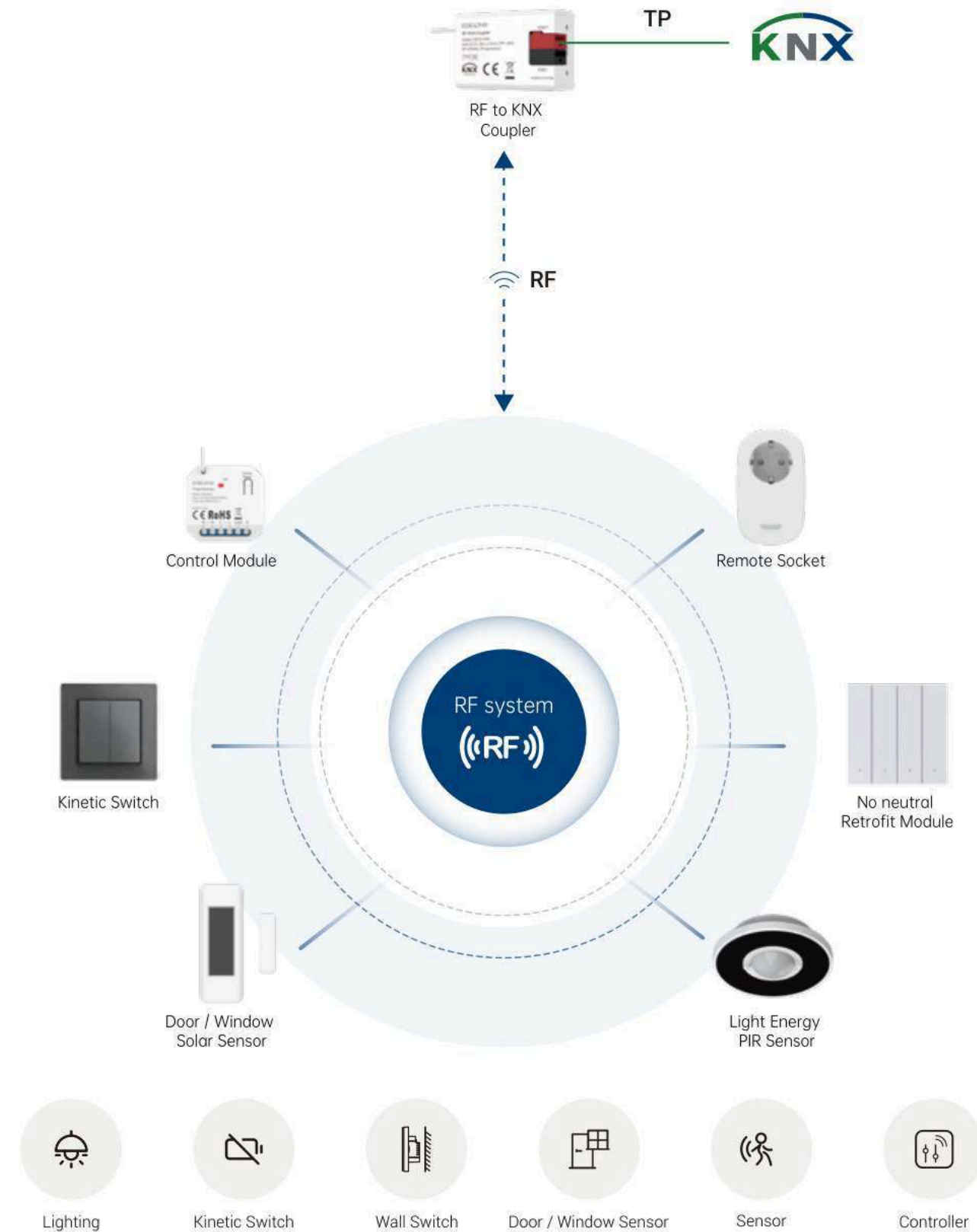


KNX Series



RF system Work with KNX

Bring powerful wireless capabilities to KNX renovation and retrofit projects.



KNX Series

KNX Series

RF to KNX Gateway

>> DIN-Rail KNX Wireless Gateway

- > ERC21 series DIN-Rail KNX Wireless Coupler
- > Connecting RF signals to KNX systems

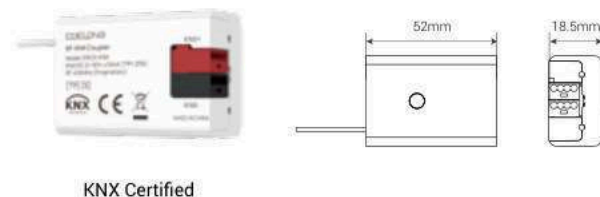
Model	ERC21-KNX
Power supply	DC 21-30V
Max Current	10mA
KNX Interface	TP (Twisted Pair)
RF Distance	80m outdoor 25m indoor
Storage Capacity	20 Wireless Kinetic Switches 20 Wireless Controller Channels



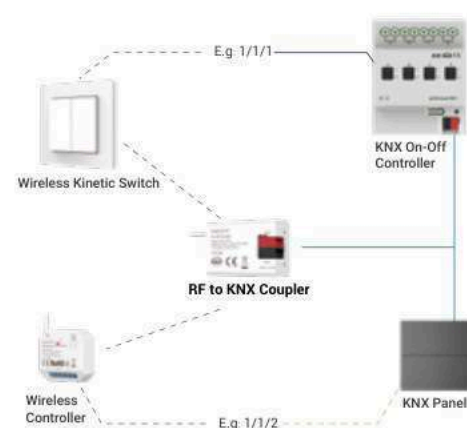
>> KNX Wireless Gateway

- > ERC22 series Mounted-in KNX Wireless Coupler
- > Connecting RF signals to KNX systems

Model	ERC9-KNX
Power supply	DC 21-30V
Max Current	10mA
KNX Interface	TP (Twisted Pair)
RF Distance	80m outdoor 25m indoor
Storage Capacity	20 Wireless Kinetic Switches 20 Wireless Controller Channels





Supports conversion between KNX TP and wireless, configured via KNX ETS



Gateway-Compatible Product List



Wireless Kinetic Energy Switch

Picture	Model	Frequency	Power Supply	Working Type	Buttons Options	Material
	N1	RF 433 MHz	Self-Powered	Push-Button	2,4	Glass,Metal
	A2	RF 433 MHz	Self-Powered	Push-Button	1,2,3	White, Black, Grey
	E4	RF 433 MHz	Self-Powered	Push-Button	2,4	Glass,Crystal, Wood

Sensor

Picture	Model	Frequency	Power Supply	Relay	Sensitivity Range	Installation Method
	H3	RF 433 MHz	AC 100-240 V 50/60Hz	16A	Radial 4m	Recessed
	H2	RF 433 MHz	Button Cell (CR123A) AC 100-240 V	/	0-8m adjustable	Recessed
	H4	RF 433 MHz	Button Cell (CR2450)	/	0-8m adjustable	External



Door/Window Magnetic Sensor

Picture	Model	Frequency	Power Supply	Working Type	Waterproof Level	Material
	D2	RF 433 MHz	Self-Powered	Push-Button	/	White, Black
	D9	RF 433 MHz	Solar-powered	Push-Button	IP67	White

KNX Series



Gateway-Compatible Product List

Wall Switch

Picture Model	Frequency	Power Supply	Rated Current	Buttons Options	Material
 GP	RF 433 MHz	AC 100-240 V	3A / per channel	1,2,3,4,6	Glass,Plastic
 GW1	RF 433 MHz	AC 100-240 V	3A / per channel	1,2,3	White, Black, Grey



Controller

Picture Model	Frequency	Power Supply	Relay	Wired Switch	Installation Method
 ERC2206	RF 433 MHz	AC 100-240 V	8A*2	Support push rocker button	Mounted-in
 ERC2201	RF 433 MHz	AC 100-240 V	8A	Support push rocker button	Mounted-in

Picture Model	Frequency	Power Supply	Phase Cutting Method	Component Type	Wired Switch
 ERC2203	RF 433 MHz	AC 100-240 V	Support leading trailing edge dimming	MOS	Support push rocker button
 ERC2303	RF 433 MHz & RF 923.6MHZ	DC 12-48V	/	MOS	Support push rocker button

Gateway-Compatible Product List

Signal Transmitter

Picture Model	Frequency	Power Supply	Input Signal	Installation Method	Wire Switch
 RP01	RF 433 MHz	Battery(CR2032)	Dry contact signal	Mounted-in	Support push rocker button
 ERC2208	RF 433 MHz	AC 100-240 V 50/60Hz	Instantaneous strong electrica	Mounted-in	Support rocker switch

Signal Repeater

Picture Model	Frequency	Power Supply	Receiving Sensitivity	Communication Distance	Installation Method
 ERC905	RF 433 MHz	AC100V-240V	-110dBm	100m	Mounted-in

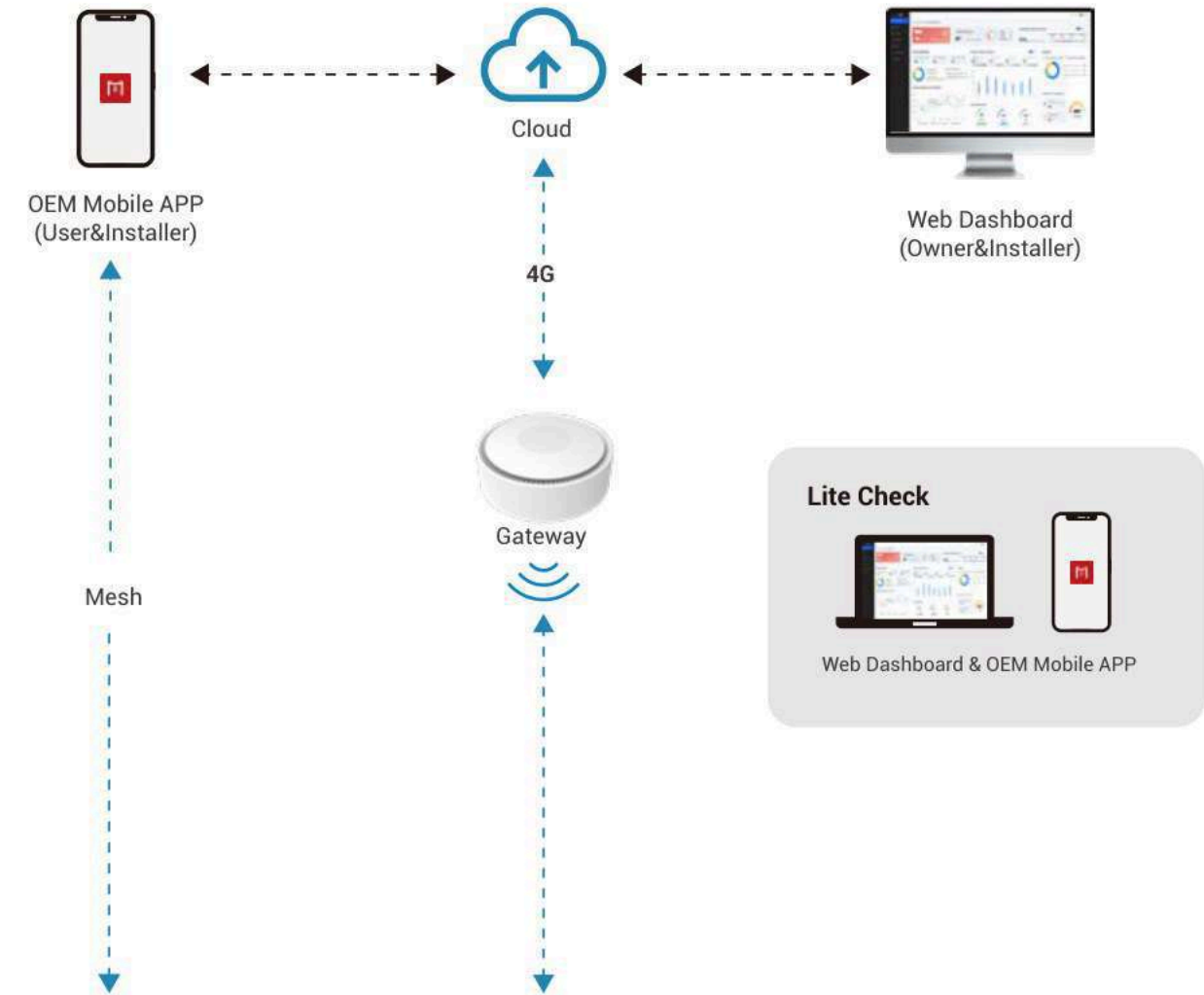
Remote Socket

Picture Model	Frequency	Power Supply	Relay	Operating Curre	Installation Method
 SOKE01-EU	RF 433 MHz	AC 100-240 V	16A	Max 16A	Plug in
 SOKE01-FR	RF 433 MHz	AC 100-240 V	16A	Max 16A	Plug in

Lite Check Emergency Light

Lite Check Working Principle

Remote Monitoring via 4G Mesh Gateway, Cloud-Based Testing & Reporting



Emergency Lighting Auto-Test System

Emergency Lighting Auto-Test System

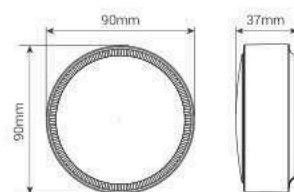
Lite Check

MQTT Gateway

>> Emergency Gateway

- > Connects emergency monitors to a cloud-based management platform
- > Automatic testing
- > Data upload
- > Report generation
- > Improving overall maintenance efficiency

Model	ECH108
Power Supply	DC 5V
Controller Distance	50m outdoor, 20m indoor
Uplink Communication	4G
Downlink Communication	Mesh

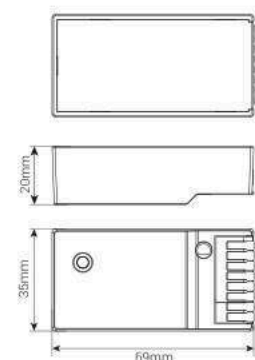
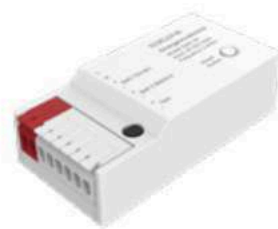


Emergency Monitor

>> Automatic Self-Test Emergency Monitor

- > Mesh Networking
- > Real-Time Status Monitoring
- > Automated Compliance Testing
- > Centralized Fault Alerts
- > Flexible Installation – External or Embedded Use
- > Digital Record Management

Model	EM01-BT
Power supply	AC 100 – 240 V
Rated Current	2.3mA
Frequency	2.4 GHz
Monitoring Functions	Battery voltage / current / AC mains status
Voltage / Current Accuracy	±1 % (V / I)
Operating Temperature	-20 °C ~ +55 °C



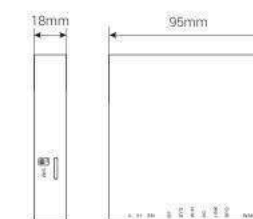
LoRa Emergency Light

LoRa Gateway

>> LoRa Gateway

- > No IT Required – Plug & Play
- > Automated Compliance Testing
- > Real-Time Failure Alerts
- > Modular Design – LoRa + 4G Integration
- > Low Power & High Reliability
- > Digital Record Management

Model	ECH201
Power supply	DC 9-28V
Power Consumption	≤ 1.1 W
Communication	LoRa + 4G
Frequency	868 / 915 MHz
Sensitivity	+26 dBm -141 dBm @ 300 bps
Operation Mode	-35 °C ~ +70 °C
Material	Retardant PC

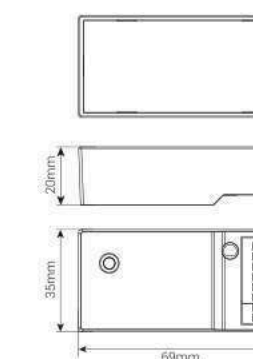


Emergency Monitor

>> LoRa Automatic Self-Test Emergency Monitor

- > Long-Range LoRa Communication
- > Real-Time Status Monitoring
- > Automated Compliance Testing
- > Centralized Fault Alerts
- > Flexible Installation – External or Embedded Use
- > Digital Record Management

Model	EM01-LR
Power supply	AC 100 – 240 V
Built-in Battery	Li-ion 3.7V 300 mAh
Rated Current	2.3mA
Frequency	868 / 915 MHz
Monitoring Functions	Battery voltage / current / AC mains status
Voltage / Current Accuracy	±1 % (V / I)
Operating Temperature	-20 °C ~ +55 °C



Security

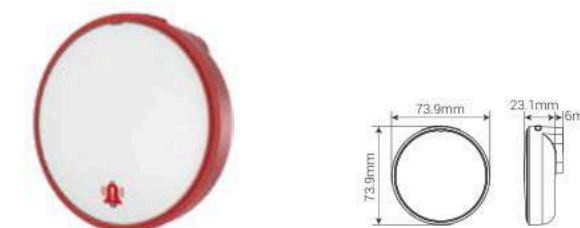


Security

>> Emergency Call Bell Receiver

- > Equipped with a Mounted-in battery, it can still function after a power outage
- > Plug-in design, no wiring needed
- > Red design and indicator light, more eye-catching

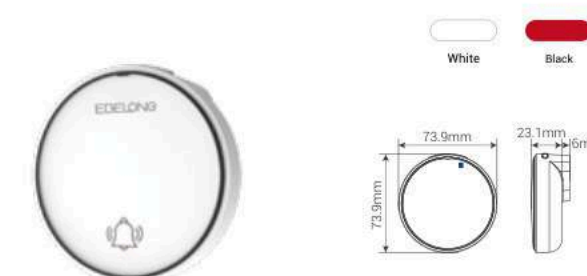
Model	QME-E
Frequency	RF 433 MHz
Power supply	AC 100-240 V built-in battery
Work Type	Plug in
Operating Range	80m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C



>> Smart Security Host

- > Connect devices to the internet.
- > Send a message to your phone when an alarm is triggered.
- > Also acts as an alarm.

Model	QME-S
Frequency	RF 433 MHz & Wi-Fi
Power supply	AC 100-240 V
Work Type	Plug in
Operating Range	80m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C



>> Smart Security Host

- > Type-C interface with 5V input, offering more convenient connectivity
- > Device networking enables the monitoring of security status anytime and anywhere.
- > When the alarm is triggered, the alarm information will be sent to the mobile phone.

Model	ECH107
Frequency	RF 433 MHz & Wi-Fi
Power Supply	DC 5V
Work Type	Type-C
Operating Range	80m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C



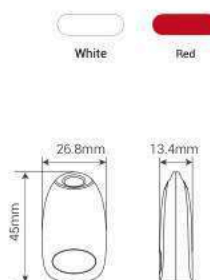
Security

Security

>> Micro Wireless Kinetic Key Fob Switch

- > Key switch, which can be attached to your key
- > Extremely small, hold it in your hands

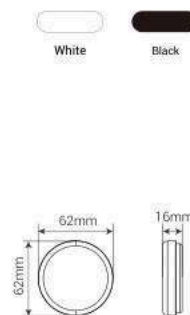
Model	K1
Frequency	RF 433 MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times



>> Wireless Kinetic Button

- > A circular push button that supports tapping
- > Suitable as a bedside table button or a small scene button
- > Customize button functions and laser engraving

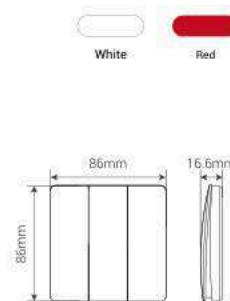
Model	Q7
Frequency	RF 433 MHz, RF 477MHz
Power Supply	Self-Powered
Switch Type	Push-Button
Buttons Options	1
Operating Temperature	-20~55°C
Mechanical Life	>100,000 times
Colors	White, Black (Available In custom colors)



>> IP67 Wireless Kinetic Switch

- > An emergency call button or a system switch
- > Do not need a battery, IP67-rated

Model	S2
Frequency	RF 433 MHz
Power supply	Self-Powered
Work Type	Push-Button
Buttons Options	1, 2, 3
Operating Range	80m outdoor 30m indoor
Operating Temperature	-20 C ~ +55 C
IP Rated	IP67

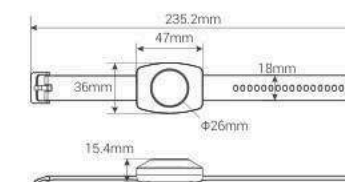


Security

>> IP65 Wireless Kinetic Wearables

- > Act as an emergency call button
- > Do not need a battery, more stable & safe
- > IP65 waterproof, suitable for elders and children
- > Can be worn as a watch

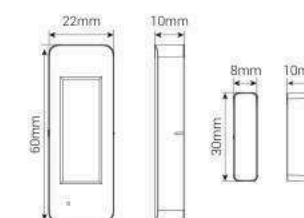
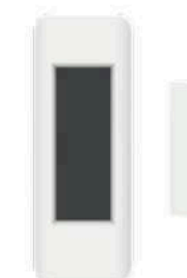
Model	W1
Frequency	RF 433 MHz
Power supply	Self-Powered
Work Type	Plug in
Buttons Options	1
Operating Range	80m outdoor 30m indoor
Operating Temperature	-20 C ~ +55 C
IP Rated	IP65



>> Door/Window Solar Sensor

- > Permanent Solar Power, solar-powered, Magnetic Reed Switch Design
- > Fade-Resistant housing and IP67 Rating
- > Direct Pairing with Controller – No Gateway Required
- > Ultra-Low Power and Efficient Communication

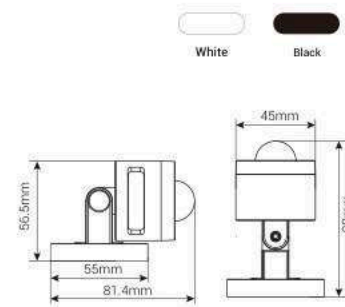
Model	D9
Protocol	RF 433 MHz
Power Supply	Solar-powered
Switch Type	Push-Button
IP	IP67
Operating Temperature	-20 C ~ +55 C



>> Battery-powered PIR Sensor

- > PIR infrared sensing
- > Should be paired with Alrouf controller
- > Support LUX/SENS/TIME setting
- > Battery life 5 years

Model	H4
Frequency	RF 433 MHz
Power Supply	Button Cell (CR2450)
Sensitivity Range	0-8m adjustable
Installation Method	External



Self-Powered Doorbell



Q3 Transmitter



QME Receiver

Self-Powered Doorbell Button



Benefits



No wires, No batteries, No limits



Different doors, Different ringtones

Multi-Standard Receiver



European standard



US standard



UK standard



Wired (ERD06)



Doorbell

Self-Powered Doorbell

Self-Powered Doorbell

>> Self-Powered Doorbell Set

> Self-Powered transmitter & plug-type receiver

> CN/EU/KR/AU/US

Model	Q2+Q2
Frequency	RF 433 MHz
Power supply	Transmitter: Self-Powered Receiver: AC 100-240 V
Modulation Method	ASK / FSK
Plug Type	CN/EU/KR/AU/US
Operating Range	100m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C
IP Rated	P54



>> Self-Powered Doorbell Set

> Self-Powered transmitter & plug-type receiver

> CN/EU/KR/AU/US

Model	Q5+Q2
Frequency	RF 433 MHz
Power supply	Transmitter: Self-Powered Receiver: AC 100-240 V
Modulation Method	ASK / FSK
Plug Type	CN/EU/KR/AU/US
Operating Range	100m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C
IP Rated	P54



>> IP67 Self-Powered Doorbell Set

> Self-Powered transmitter & plug-type receiver

> CN/EU/AU/US/UK

> IP67-rated

Model	Q3+QME
Frequency	RF 433 MHz
Power supply	Transmitter: Self-Powered Receiver: AC 100-240 V
Modulation Method	ASK / FSK
Plug Type	CN/EU/AU/US/UK
Operating Range	100m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C
IP Rated	P67



Self-Powered Doorbell

>> Self-Powered Doorbell Set

> Self-Powered transmitter & plug-type receiver

> CN/EU/AU/US/UK

Model	QME+QME
Frequency	RF 433 MHz
Power supply	Transmitter: Self-Powered Receiver: AC 100-240 V
Modulation Method	ASK / FSK
Plug Type	CN/EU/AU/US/UK
Operating Range	100m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C



>> US Standard Doorbell Receiver

> Wired type receiver, can be paired with any Self-Powered transmitter

> US standard

Model	EDR06
Frequency	RF 433 MHz
Power supply	Receiver: AC 100-240 V
Modulation Method	ASK / FSK
Operating Range	100m outdoor 30m indoor
Operating Temperature	-20 C ~+55 C

