

Videosec®

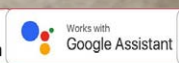
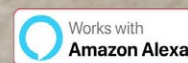
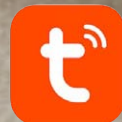
light+building

hall: 8.0

booth: B17

3. – 8. 03. 2024

Frankfurt am Main



**Wireless Kinetic Energy Self-powered
Switches and Actuators**



About Us

Videosec and LEDsec are the Hungarian regional brands of Euro Tech Corporation Kft., with a unique offer on the regional market, continuous stock, state-of-the-art technological solutions, direct product support - with more and more satisfied installer and distributor partners, awaits you to join our circle of clients.

Videosec portfolio consists of video surveillance camera and recording solutions with smart video analytics, smart building systems with LED lighting solutions and control with innovative relays and kinetic switches.

Kinetic switches are remote controllers in various appearance, without wires, batteries and no maintenance requirement. They are powered by the kinetic energy of the pushing of a button.

With the appropriate actuators, using the intelligence included in our CCTV cameras, you gain advanced control over lighting or other smart building controls that depend on human presence.

The success of our installer and reseller partners also means success of us, thank you for choosing Videosec products every day!

the Euro Tech Corporation Kft. Team

We provide solution for

- CCTV
- LED Light
- SMART Building





Press with a finger to produce kinetic energy. Kinetic energy is converted into electricity.



BATTERY LESS



No Battery

Patented self-powered technology



IP67 Waterproof

No fear of humid environment



No Wiring

Can be pasted or moved freely



Reliable

No spark and no strong current



30 Years of Durability

Forged with steel imported from Germany
Over 100,000 times operation Life



Expanded Control

Equipment Sets: Up to 10 switches paired



Steady Signal

Effective communication distance:
Outdoor: 150m, Indoor: 30m



Smart House

Upgrade to audio/App control through gateway

KINETIC ENERGY CONVERSION TECHNOLOGY

After capturing small amounts of kinetic energy produced by switch or sensor, the generating engine converts energy into electric energy which is enough to make the low-power consumption electronic devices work efficiently.

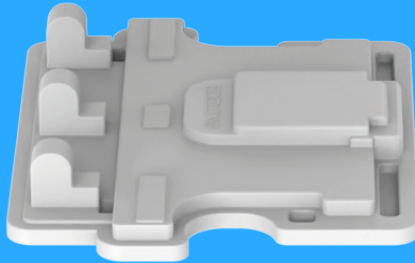
The advantage of kinetic energy is that switch can be placed anywhere without wiring. It will fulfill its maintenance-free function over its whole life, which is able to save lots of money and time compared to other solutions.



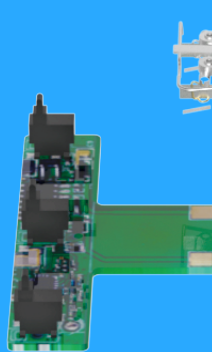
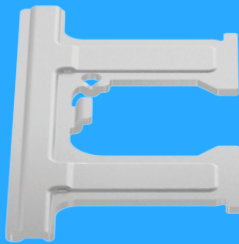
Cover



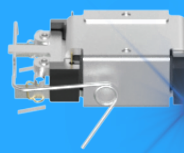
Top Plate



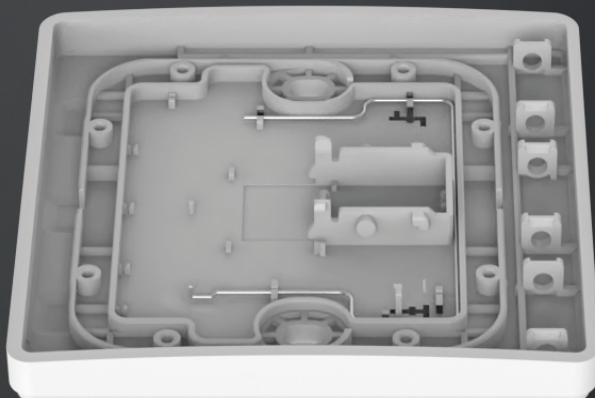
Waterproof
Silicone Pad



Wireless
Chip



Power Generation
Engine



Base

WIRELESS CONTROL SOLUTION



RF 433MHz



Self-powered Switch



Press to produce kinetic energy



Internal module collects energy



Kinetic energy is converted into electricity



Communication module actuates the signal



Communication module receives the signal



Controller identifies the signal and control the light



SECURITY

Safe Home Is A Must

When Break In Unexpectedly

When the alarm system detects undesired motion or window opening, your home will be visible and audible from a distance thanks to the lighting and sound alarm. In this situation, the burglars immediately stop any attempts of entering your home and your possessions are safe.



TUYA Smart WiFi Access Controller T12MF-W-TUYA

- ABS case with digital backlit touch keypad
- Support data back function
- Multi-function standalone access controller and reader
- WG interface: WG26 or WG34 Input / output
- Capacity: 2000 cards / codes
- Three accesses: card, pin, card + pin

Product Parameter	Parameter Description
Card Type	13.56MHz Mifare
Waterproof Degree	IP68
User Capacity	2,000
Environment Humidity	10%~90%
Lock Output	≤3A
Working Voltage	DC 12-24 V
Static Current	≤35mA
Operating Current	≤100mA
Access Way	Card/ Code or combined
Card Read Distance	5~8cm
Ambient Temperature	-40°C~60°C
Door Opening Time	0~99s
Dimension	114*75*16mm
Unit Weight	0.35Kg

TUYA Smart WiFi Access Controller TF2MF-W-TUYA

- Read 13.56MHz Mifare Card / CPU Card
- Metal backlight keypad
- Contains card reader mode. The transmission format could be adjusted by user.
- Supports different access ways: Entry by Card + Code or Entry by multi cards
- Support master added a card and deleted the card
- User capacity: 10,000 users
- Three accesses: card, pin, card + pin

Product Parameter	Parameter Description
Card Type	13.56MHz Mifare
Waterproof Degree	IP68
User Capacity	600 fingerprint, 10,000 cards
Environment Humidity	10%~90%
Lock Output	≤3A
Working Voltage	DC 12-24 V
Static Current	≤35mA
Operating Current	≤100mA
Access Way	Card/ Code or combined
Card Read Distance	5~8cm
Ambient Temperature	-40°C~60°C
Door Opening Time	0~99s
Dimension	135*47*23mm
Unit Weight	0.50Kg



MF-1C
Mifare 13.56MHz read/write IC Card
EEPROM: 1 kB, Life Span 100,000 cycles
ISO/IEC 14443 A compliance.
Size: 86x54x0.84mm



MF-1KF
Mifare 13.56MHz read/write Key Fob
EEPROM: 1 kB
LASER Engraving
8H10D No.Format
Size: 40.5*32*4.2mm

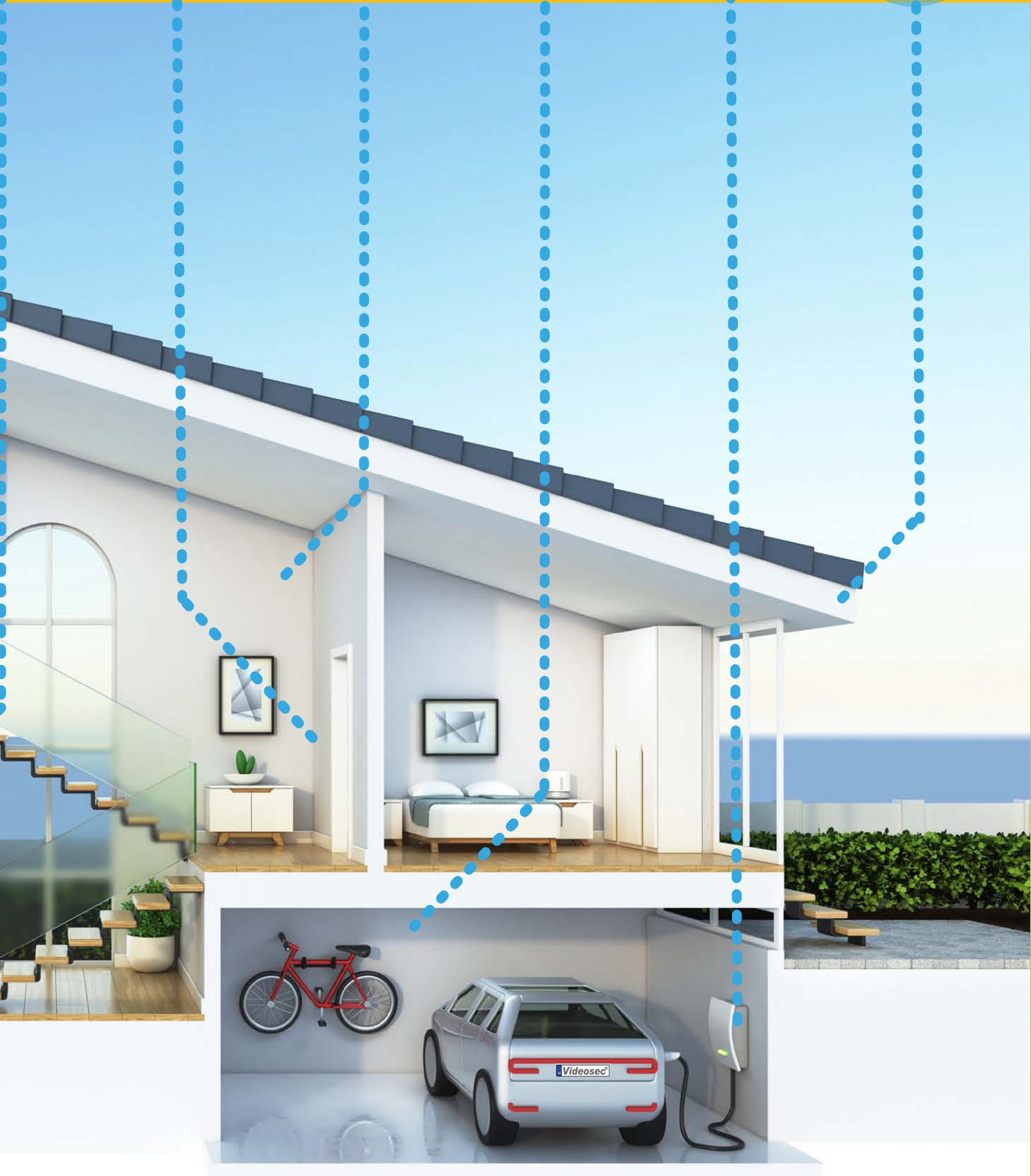
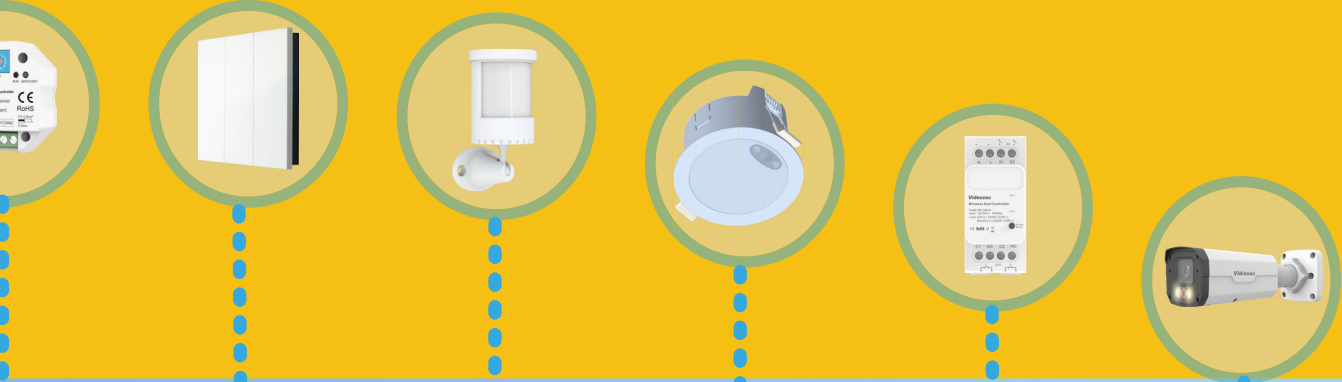


MF-1WB
Mifare 13.56MHz Waterproof Plastic Wristband
EEPROM: 1 kB
Color: Blue, Red, Black, Yellow, Grey, Green
65mm (transponder 45mm),

ENDLESS SMART SOLUTION



Videosec®



AUTOMATE YOUR HOME

7:00

Wake Up

You Wake Up With The Sun Rise. Home Is Letting Gentle Light Into Your Bedroom

Sunrise-Open the curtains automatically.
Open the Coffee Machine.



8:00

Leaving The House

Before Leaving You Secure The House With One Click

One key to turn off the lights and electrical equipments. Opening the defense mode.



17:00

Coming Back Home

The house is perfect on your arrival

Turn on the heating before arriving home.
Open the garage door.



Imagine A Day In A Smart Home...

18:30

Home Theater

You Start The Family Movie Night
With One Voice Command

Opens a movie by voice control.

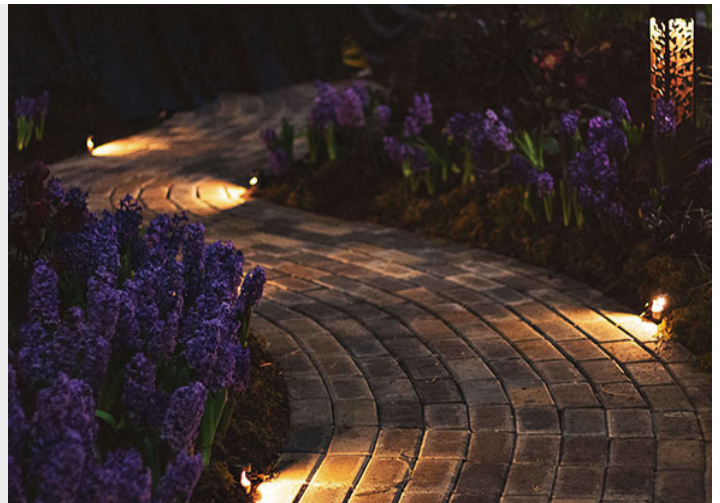


20:00

Walk In The Garden

Go For The Magic Of The Night

PIR detecting and light on.



22:00

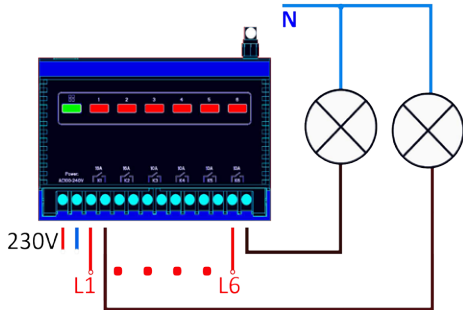
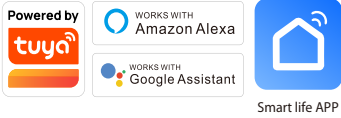
Goodnight

Prepare The Entire House For The
Night With One Press Of A Button
Without Leaving The Bed

- Close the curtains in bed.
- Turn off all the lights.
- Armed alarm.



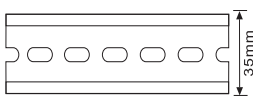
Wireless Relay Receiver Dry Contact Actuator



Basic pairing with wireless kinetic energy switch

- ① Connect the controller's input to the power supply, press the controller "pairing key" around 3 seconds, release when indicator light flash slowly (flash 1 time per second).
- ② Press the selected kinetic energy switch once (Do not press several times continuously), then indicator light is off, means the pairing is successful.

KRC-102 6 Ch. DIN Rail



DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15

Item	Model	KRC-102
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC100V~240V 50/60Hz
Max Load		2*16A + 4*10A LED load: 4*500W + 2*1000W(230V~) Resistive load: 4*1000W + 2*2200W(230V~)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L126*W80*H33.4mm
Compliant With		EN61058-1;2002+A2;2008; GB 14536.1-2008

Directional pairing (not commonly used)

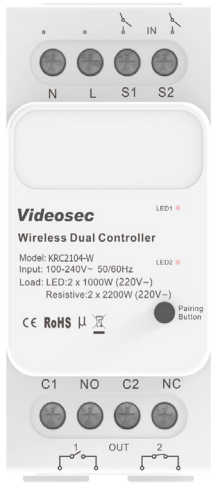
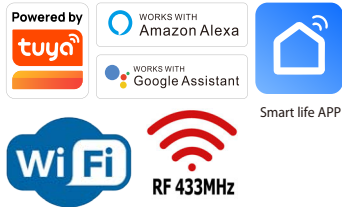
In order to meet the user's usage habits of traditional switches, and to

Directional Pairing of Rocker switch

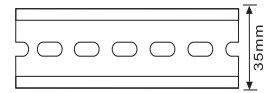
- ① Press and hold for about 3 seconds, the indicator light starts to flash
- ② Quickly press the up and down keys once each (within 0.5 seconds)
- ③ After the pairing is successful, press the downside to turn on and the upside to turn off

Directional Pairing of Push Button Switch (only supports two or six keys)

- ① Press and hold for about 3 seconds, the indicator light starts to flash
- ② Quickly press any button four times (within 1 second)
- ③ After the pairing is successful, press the left button to turn off and the right button to turn on.



KRC2104-W DIN Rail



DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15

Item	Model	KRC2104-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC100V~240V 50/60Hz
Inputs		2 inputs for existing wired switch(es)
Max Load		16A(2 way) Resistive load: 2*2200W
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L36*W77*H67mm
Compliant With		EN60669-1:2018 EN IEC55015:2019

③ If need to pair with multiple switches, repeat the above procedure. Please note one controller can be paired by maximum 10 switches.



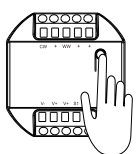
KRC2209-W

Item	Model	KRC2209-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		DC 12~48V
Inputs		1 input for existing wired switch
Max Load		SPDT 5A(1 way) Resistive load: 1100W(220V~)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L44*W44*H22mm
Compliant With		EN60669-1:2018 EN IEC55015:2019

Directional pairing (not common use)

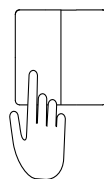
In order to meet the user's usage habit of switch and to ensure the synchronization of one control multi mode, so we define the directional pairing mode. Directional pairing only support 2 keys or 6 keys push button switch.

- ① Connect the controller's input to the power supply, press the controller "pairing key" around 3 seconds, release when indicator light flash slowly (flash 1 time per second).
- ② Press push button switch left or right key twice (within 0.5 second), then the indicator light goes off, means the pairing is successful.
- ③ After pairing is successful, left and right key of push button switch as a group, press the left key is OFF and the right key is ON, long press the left key is dimming and right key is brighten.



Pairing:

Press for 3 seconds to enter pairing mode



Press the wireless switch once

Clear Pairing Information

To remove the controller stored pairing information press function button for 12 seconds until the indicator light goes out - the pairing information will be cleared.

* Supported

Kinetic RF Transmitters: KS2-154/254/354, ES3454-RF, KM1-350, D-254, KN100/200/400.. LE1454-RF

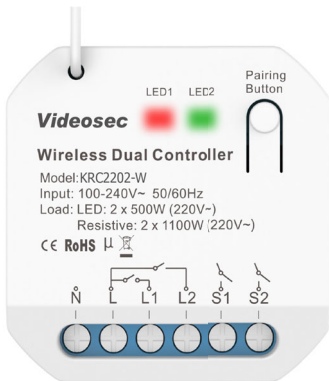
RF Motion Sensors: H3, H154, D-254

RF Transmitters: KRC-2208, KRC-2208DC, KRC2203-W, KRC2206-W

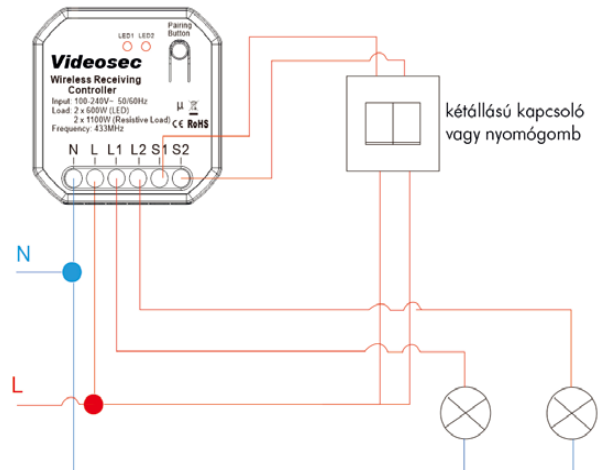
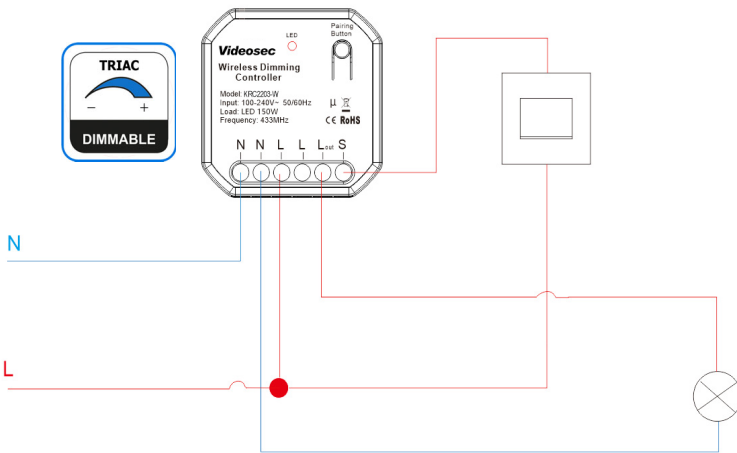
Wireless Relay Receiver ON/OFF Actuator



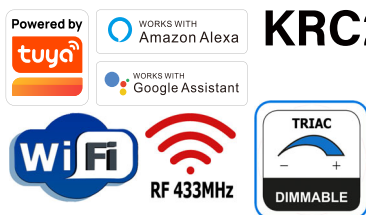
KRC2202-W



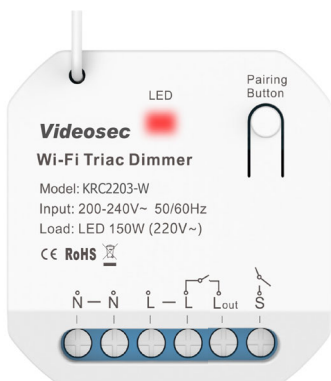
Item	Model	KRC2202-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC100V ~ 240V 50/60Hz
Inputs		2 inputs for existing wired switch(es)
Max Load		5A(2 way) LED load: 2*500W(230V~)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L44*W44*H22mm
Compliant With		EN 60669-1:2018 EN 60669-2-1:2004+A1:2009+A12:2010 EN IEC55015:2019



Wireless Dimmer Receiver Leading & Trailing Edge Phase-cut



KRC2203-W



Item	Model	KRC2203-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC200V~240V 50/60Hz
Inputs		1 input for existing wired switch(Push button)
Max Load		LED load: 150W(230V~)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L44*W44*H22mm
Compliant With		EN60669-1:2018 EN IEC55015:2019

Roller Shutter Actuator

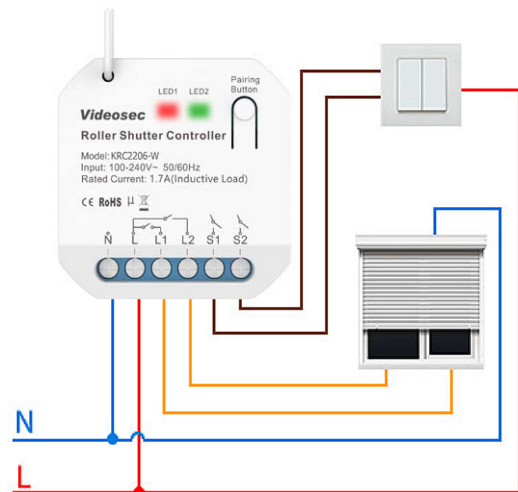
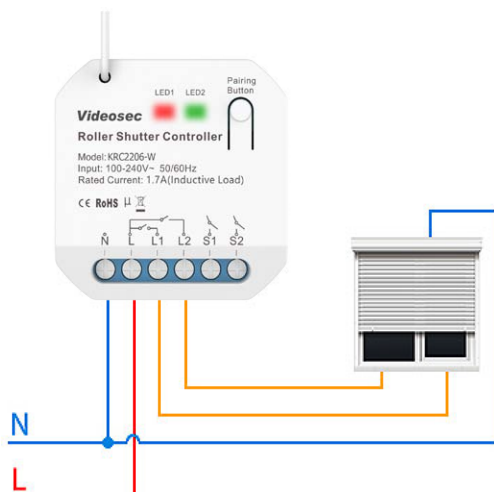


RF Repeater



KRC2206-W

Item	Model	KRC2206-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC100V-240V 50/60Hz
Inputs		2 inputs for existing wired switch(es)
Max Load		Relay 8A(2 way)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L44*W44*H22mm
Compliant With		EN60669-1:2018 EN IEC55015:2019



SOKE01-RF SOKE01-W

* Supported

Kinetic RF Transmitters: KS2-154/254/354, ES3454-RF, KM1-350, D-254, KN100/200/400...LE1454-RF

RF Motion Sensors: H3, H154, D-254

RF Transmitters: KRC-2208, KRC-2208DC, KRC2203-W, KRC2206-W

Smart Plug



Smart life APP



SOKE Series



RF 433MHz



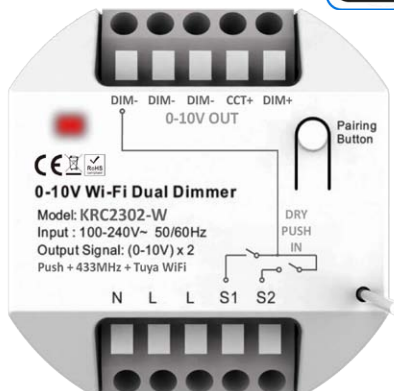
Item	Model	SOKE01-RF	SOKE01-W
Radio Frequency		RF 433MHz	WiFi 2.4G
Inputs		AC 100V~240V 50Hz	
Max Load		16A Resistive load: 3680W(230V~)	
Plug Type		EU	
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)	
Operating Temperature		-20°C ~ +55°C	
Memory Capacity		Up to 10 Kinetic Transmitters	-
Dimensions		L53.85*W34.26*H45.02mm	
Compliant With		CE EN IEC62368-1 EN 300220 EN 301489 EN 62479 EN50665	

Wireless Dimmer Receiver 0-10V Dimming

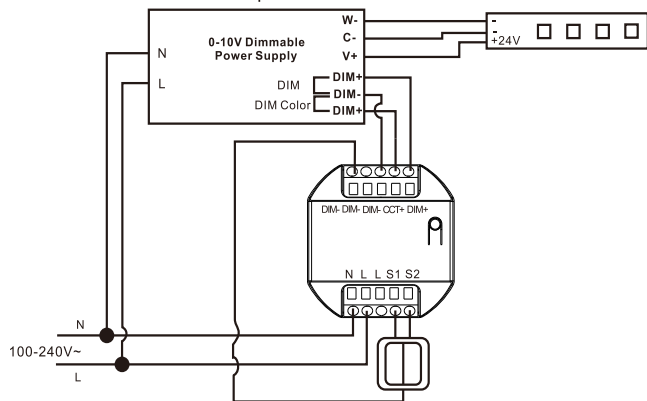


KRC2302-W

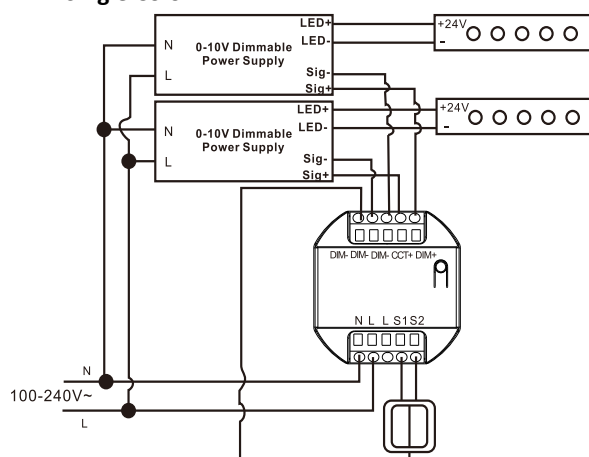
Item	Model	KRC2302-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC100V~240V 50/60Hz
Inputs		2 inputs for existing wired switch(es)
Max Load		2 way/0~10V/max 20mA
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L52*W52*H23mm
Compliant With		EN60669-1:2018 EN IEC55015:2019



Dual Color Temperature Mode



2x Single Color



Mode Selection

The dimmer supports two modes: single color temperature / dual color temperature (Dual-color temperature mode is the default). The modes can be switched by APP and the function button of dimmer manually.
Operation for Function button: Press the button at four times in a second repeatedly, to switch the modes. 2 Indicators blinks once means single color temperature, 3 times blinks from 2 indicators means dual color temperature.

Scene mode

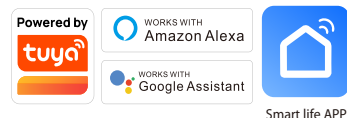
The APP supports four defaults: Night, Read, Working, Leisure, users can set the mode according to the request.

Memory under power cut

The function of "memory" can be set by APP. Set it at "on" from App before power cut happens, the device will keep its original working status when power is on again.

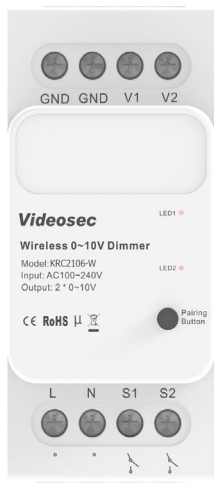
Bridge mode

Turn on the bridge mode to expand the control distance: Press and hold function button for 7 seconds and indicator will flash to fast flash and release the button, after couple of seconds, the indicator will flash 1 time every 2 seconds, which means the bridge mode is activated. If you need to deactivate this mode, do this again.

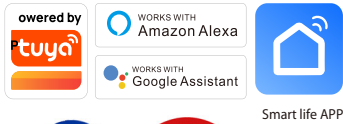


KRC2106-W DIN Rail

Item	Model	KRC2106-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		AC100V~240V 50/60Hz
Inputs		2 input for existing wired switch(es)
Max Load		2 way/0~10V/max 20mA
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L36*W77*H67mm
Compliant With		EN60669-1:2018 EN IEC55015:2019

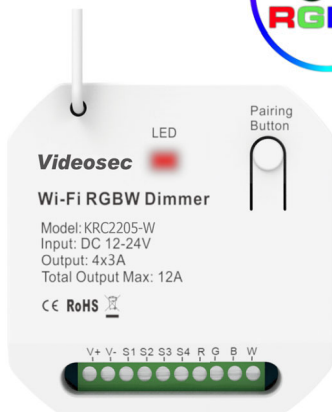
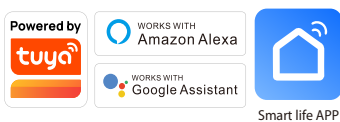
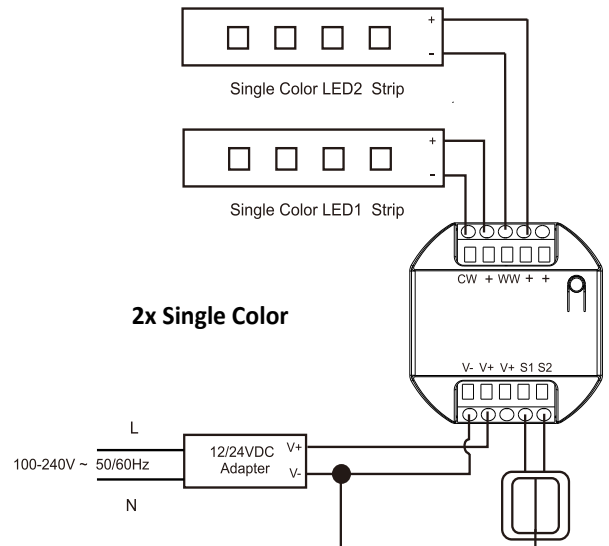
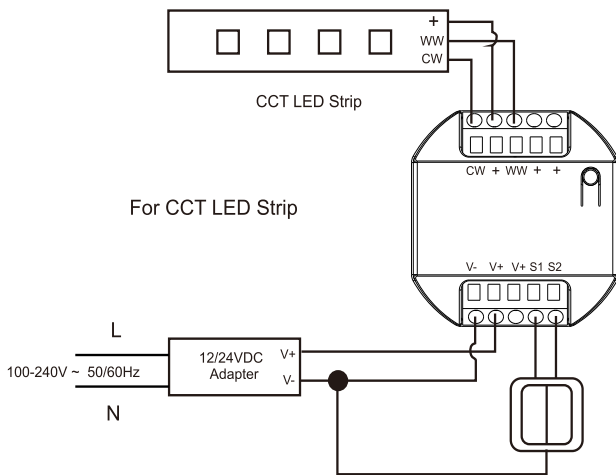


Wireless Dimmer Receiver LED Strip / PWM Dimming



KRC2303-W

Item	Model	KRC2303-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		DC12~24V
Inputs		2 inputs for existing wired switch(es)
Max Load		6A(2 way) LED load: 144W(DC 12V) 288W(DC 24V)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L52*W52*H23mm
Compliant With		EN60669-1:2018 EN IEC55015:2019



KRC2205-W

Item	Model	KRC2205-W
Radio Frequency		WiFi 2.4G+ RF 433MHz
Power Supply		DC12~24V
Inputs		4 inputs for existing wired switch
Max Load		3A(4 way) LED load: 144W(DC 12V) 288W(DC 24V)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters *
Dimensions		L44*W44*H22mm
Compliant With		EN60669-1:2018 EN IEC55015:2019

* Supported

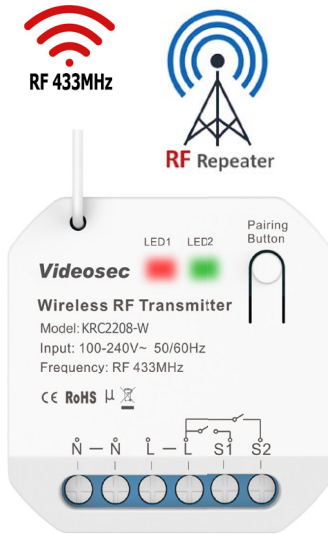
Kinetic RF Transmitters: KS2-154/254/354, ES3454-RF, KM1-350, D-254, KN100/200/400...LE1454-RF

RF Motion Sensors: H3, H154, D-254

RF Transmitters: KRC-2208, KRC-2208DC, KRC2203-W, KRC2206-W

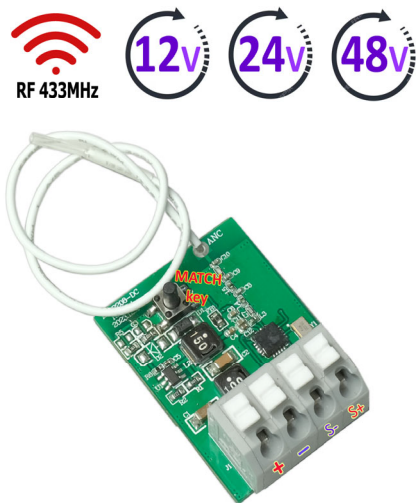
Switch Signal Converter

KRC2208-W



2 Ch. Dry Contact - (Push/Rocker switch) to RF433MHz signal Converter

Item	Model	KRC2208-W
Radio Frequency		RF 433MHz
Power Supply		AC100V~240V 50/60Hz
Inputs		2 inputs for existing wired switch(es)
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Dimensions		L44*W44*H22mm
Compliant With		EN60669-1:2018 EN IEC55015:2019



Dry Contact to RF433MHz signal Converter (relay or switch, status transmitter)

Item	Model	KRC-2208DC
Radio Frequency		RF 433MHz
Power Supply		DC 12-48V
Inputs		1 NO input for existing wired switch
Max ating Range		Up to 80m outdoors, Up to 30m indoors (Depending on building materials)
Dimension		L38*W27*H16mm



the box of switch



the box of socket



light panel

* Supported

Kinetic RF Transmitters: KS2-154/254/354, ES3454-RF, KM1-350, D-254, KN100/200/400.. .LE1454-RF

RF Motion Sensors: H3, H154, D-254

RF Transmitters: KRC-2208, KRC-2208DC, KRC2203-W, KRC2206-W

Kinetic Transmitter Dimmable Push Button

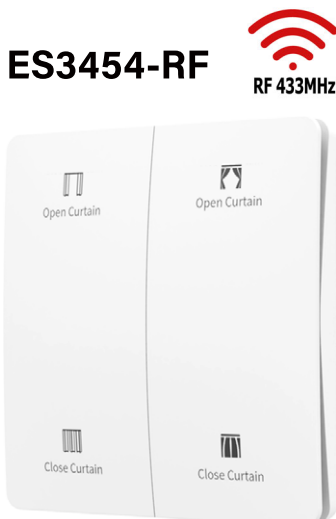


KS2 Series



Model Item	White <input type="checkbox"/>	KS2-154	KS2-254	KS2-354
	Silver <input type="checkbox"/>	KS2-154S	KS2-254S	KS2-354S
	Goldenrod <input type="checkbox"/>	KS2-154G	KS2-254G	KS2-354G
Power Source	Self-powered (No battery)			
Number of Keys	RF433MHz			
Radio Frequency	1 key	2 keys	3 keys	
Modulation	FSK			
Switch Type	Push Button (On/Off and Dimming)			
Operating Range	Up to 80m outdoors, Up to 25m indoors (Depending on building materials)			
Operating Temperature	-20°C ~ +55°C			
Operating Life	≥100,000 Times			
Waterproof Rating	IP67			
Dimensions	L86*W86*H17mm			
Compliant With	FCC EN 60669-1:2018 EN 60669-2-1:2004+A1:2009+A12:2010 EN 55035:2017			

ES3454-RF



Model Item	White <input type="checkbox"/>	ES3454-RF
Power Source	Self-powered (No battery)	
Number of Keys	4 keys	
Radio Frequency	RF433MHz	
Modulation	FSK	
Switch Type	Push Button (On/Off and Dimming)	
Operating Range	Up to 80m outdoors, Up to 25m indoors (Depending on building materials)	
Operating Temperature	-20°C ~ +55°C	
Operating Life	≥100,000 Times	
Dimensions	L86*W86*H17mm	
Compliant With	CE EN IEC62368-1 EN 300220 EN 301489 EN 62479 EN50665	



KM-1350

Model	White	<input type="checkbox"/>	KM-1350		
Item					
Power Source	Self-powered (No battery)				
Number of Keys	6 keys				
Radio Frequency	RF433MHz				
Modulation	FSK				
Switch Type	Push Button (On/Off and Dimming)				
Operating Range	Up to 80m outdoors, Up to 25m indoors (Depending on building materials)				
Operating Temperature	-20°C ~ +55°C				
Operating Life	≥100,000 Times				
Dimensions	L86*W86*H14.5mm				
Compliant With	EN 60669-1:2018 EN 60669-2-1:2004+A1:2009+A12:2010 EN 55035:2017				



Magnetic Base
Lanyard Optional

LE1454-RF

Model	White	<input type="checkbox"/>	LE1454-RF		
Item					
Power Source	Self-powered (No battery)				
Number of Keys	4 key				
Radio Frequency	RF433MHz				
Modulation	FSK				
Switch Type	Push Button (On/Off and Dimming)				
Operating Range	Up to 80m outdoors, Up to 25m indoors (Depending on building materials)				
Operating Temperature	-20°C ~ +55°C				
Operating Life	≥100,000 Times				
Dimensions	L54.08*W54.08*H20.53mm				
Compliant With	CE EN IEC62368-1 EN 300220 EN 301489 EN 62479 EN50665				



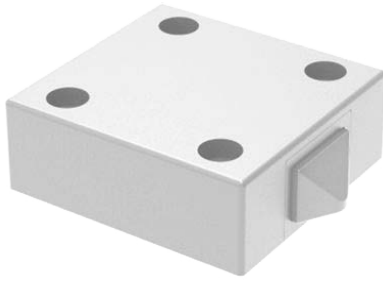
KN Series

Model	Black	<input checked="" type="checkbox"/>	KN100	KN200	KN400
Item					
Power Source	Self-powered (No battery)				
Number of Keys	1 key			2 keys	
Radio Frequency	RF433MHz				
Modulation	FSK				
Switch Type	Push Button (On/Off and Dimming)				
Operating Range	Up to 80m outdoors, Up to 25m indoors (Depending on building materials)				
Operating Temperature	-20°C ~ +55°C				
Operating Life	≥100,000 Times				
Dimensions	L56mm*W16mm*H35mm				
Compliant With	FCC/CE/UL EN 60669-1:2018 EN 60669-2-1:2004+A1:2009+A12:2010 EN 55035:2017				



D-254

Item	Model White <input type="checkbox"/>	D-254
Power Source		Self-powered (No battery)
Radio Frequency		RF433MHz
Modulation		FSK
Installation Method		Fixed to the door/Screwed to the door surface
Operating Range		Up to 80m outdoors, Up to 25m indoors (Depending on building materials)
Operating Temperature		-20°C ~ +55°C
Operating Life		> 100000 times
Dimension		L50*W47.5*H17mm



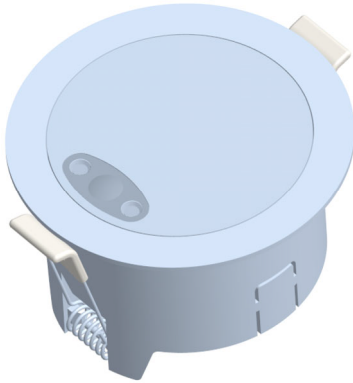
H3 Recessed Ceiling Micro Wave - 24GHz

True Presence Human body Sensor



H-3

Item	Model	H-3
Power Source		AC100~240V 50/60Hz
Radio Frequency		RF433MHz
Modulation		FSK
Installation Method		Flush-mounting with spring clips
Installation Height		2.6-3m
Area Covered		Detection Range Radial 5m
Sensitivity (Adjustable)		0-100(default: 20)
Rest Sensitivity (Adjustable)		0-100(default: 40)
Illumination (Adjustable)		0-2000lux
Delay Time (Adjustable)		5 ~ 10 seconds
Detection Angle		Angle ±45°
Operating Range		Outdoor 80m, indoor 30m
Operating Temperature		-10°C ~ +50°C
Dimensions		Ceiling recessed installation version: L90*W90*H52mm Ceiling Opening 75mm
Compliant With		Europe: CE/ROHS USA: ASHRAE 90.1, IECC and Title 24 Energy Code requirements.



Q3-QME Kinetic Wireless Doorbell

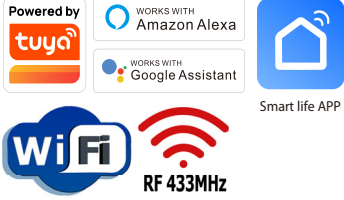
Item	Model	Q3-QME
Power Source		Self-powered (Transmitter) AC100V~240V 50/60Hz (Receiver)
Radio Frequency		RF433MHz
Modulation		ASK/FSK
Sound Volume		4 adjustable levels
Ringtones		40
Memory Capacity		Receiver works with maximum 10 transmitters
Plug Type		EU
Operating Range		Up to 100m outdoors, Up to 25m indoors (May vary depending on conditions)
Operating Temperature		-20°C ~ +55°C
Waterproof Rating		IP67(Transmitter)
Dimensions		L71.91*W45.91*H24.7mm(Q3 Transmitter) L74.78*W74.78*H66.56mm(QME Receiver)



Q3

QME

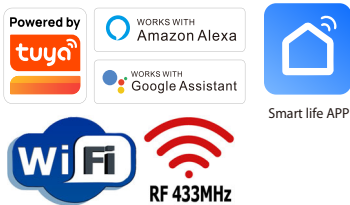
Security Gateway



QME-0254S

Item	Model	QME-0254S
Power Source		AC100~240V 50/60Hz
Radio Frequency		WiFi 802.11b/g/n & RF 433MHz
Modulation		FSK
Plug Type		EU
Status Indicator		Green/Red
Operation Keys		3 Keys
Communication Range of Gateway and sub-device		Outdoor: 80m,Indoor: 25m (May vary depending on conditions)
Ringtone Number		10
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Up to 10 Kinetic Transmitters
Optional Devices		All Devices
Dimensions		L74.66*W74.66*H66.73mm
Compliant With		FCC CFR 47 PART 15 Subpart C:2017,ANSI C63.10-2013 FCC Part 15,Subpart B,Class B(sDoC),ANSI C63.4 -2014

Smart Gateway



ECH-103

Item	Model	ECH-103
Power Source		DC 12V 1A
Radio Frequency		WiFi 2.4G & RF 433MHz
Modulation		FSK
Status Indicator		Green/Red
Power Connector		5.5*2.1mm
Communication Range of Gateway and Sub-device		Outdoor: 100m,Indoor: 40m (May vary depending on conditions)
Ringtone Number		10
Operating Temperature		-20°C ~ +55°C
Memory Capacity		Maximum 50 controllers and 30 switches
Dimensions		L90mm*W90mm*H38mm



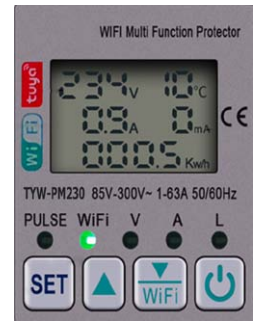
- 2.4GHz - WIFI, Energy Metering & Circuit breaker 2P-63A**
- Tuya compatible, remote monitoring and controlling,
 - Remote control ON/OFF at anytime from anywhere by phone.
 - Review current, voltage, leakage current, total kWh on phone realtime
 - Timer and controlling function in TUYA app
 - Can set over voltage /under voltage /over current / leakage current/ Temperature in app or can set these by manual
 - Under voltage protection 85V-300V (adjustable) (default: 170V)
 - Over voltage protection 120V-300V (adjustable) (default: 275)
 - Over current protection 1A-63A (adjustable fuse) (default: 63A)
 - Prepaid function
 - No. of pole: 2P
 - Power consumption less than 2W
 - Wireless Network: IEEE 802.11 b/g/n 2.4GHz
 - Module size: 2 modules (36mm), DIN Rail
 - Mounting symmetrical rail(EN50022/DIN46277-3) 35mm



250V_{AC}



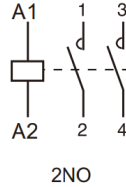
TYW-PM230



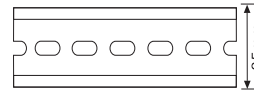
250VAC, 2P Modular contactor

- No. of pole: 2P
- Aux Contact: 2x OPEN (NO)
- Module size: 1 modules (18mm), DIN Rail
- Rated voltage: 250VAC
- Current: 25A (AC-7a); 9A (AC-7b)
- Rated current: 50/60Hz
- Control circuit voltage: 230V
- Rated insulation voltage: 500V
- Rated impulse withstand voltage: 4kV
- Utilization category: AC-7a/ AC-7b
- Mounting: Th35 DIN rail mounting (35x7.5mm)
- Comply with IEC/EN61095

250V_{AC}



MC1-2P-25



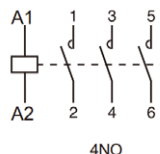
DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15



250VAC, 4P Modular contactor

- No. of pole: 4P
- Aux Contact: 4x OPEN (NO)
- Module size: 3 modules (54mm), DIN Rail
- Rated voltage: 250VAC
- Current: 63A
- 63A (AC-7a); 25A (AC-7b)
- Rated current: 50/60Hz
- Control circuit voltage: 230V
- Rated insulation voltage: 500V
- Rated impulse withstand voltage: 4kV
- Utilization category: AC-7a/ AC-7b
- Comply with IEC/EN61095

250V_{AC}



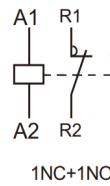
MC3-4P-63



48VDC, 2P Modular contactor, Noise Free - Silence

- No. of pole: 2P
- Aux Contact: 1x OPEN (NO) + 1x CLOSE (NC)
- Module size: 1 modules (18mm), DIN Rail
- Rated operational voltage: 250VAC
- Current: 32A (AC-7a/AC-1); 12A (AC-7b/AC-3)
- Control circuit voltage: 48VDC
- Rated current: 50/60Hz
- Rated insulation voltage: 500V
- Rated impulse withstand voltage: 4kV
- Utilization category: AC-7a/ AC-7b, AC-1/AC-3
- Tightening torque: 0.8Nm / 3.5Nm
- Comply with IEC/EN61095, IEC60947-4-1

48V
32A



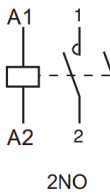
MC1S-32D-48



250VAC, 2P Modular contactor, Noise Free - Silence

- No. of pole: 2P
- Aux Contact: 1x OPEN (NO) + 1x CLOSE (NC)
- Module size: 1 modules (18mm), DIN Rail
- Rated operational voltage: 250VAC
- Current: 32A (AC-7a/AC-1); 12A (AC-7b/AC-3)
- Control circuit voltage: 230V
- Rated current: 50/60Hz
- Rated insulation voltage: 500V
- Rated impulse withstand voltage: 2.5kV
- Utilization category: AC-7a/ AC-7b, AC-1/AC-3
- Tightening torque: 0.8Nm / 3.5Nm
- Comply with IEC/EN61095, IEC60947-4-1

250V_{AC}



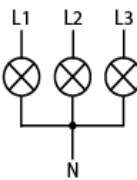
MC1S-32D



3x 240-400VAC, LED INDICATOR

- Rated Voltage: 230~415V AC
- Module size: 9mm, DIN Rail
- Color: RED/YELLOW/GREEN LEDs
- Mounting: DIN rail

250V_{AC}



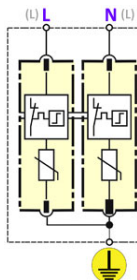
KCI-3L



250VAC, 2P Surge protection device, 20KA

- No. of pole: 2P + PE
- Type of network systems: TN-S, TN-C-S, IT
- Maximum continuous voltage 275V
- Module size: 2 modules (36mm), DIN Rail
- Maximum discharge surge current 20kA
- Normal discharge current(8/20us) 10kA
- Voltage protection level 1.0 kV
- Fuse or circuit breaker 10A
- Connection Screw terminal : 4 to 25mm, by busbar
- Temperature range -40°C — +80°C
- Disconnection indicator RED INDICATOR

250V_{AC}



BY7-2P-20KA



Surge protection replaceable modul for BY7-2P-20KA, Imax=20kA

275V
SURGE PROTECTION
20kA

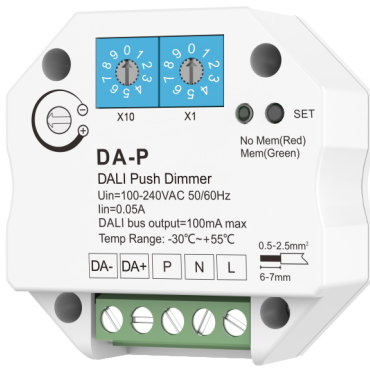
250V_{AC}

BY-20K



DA-P

DA-P



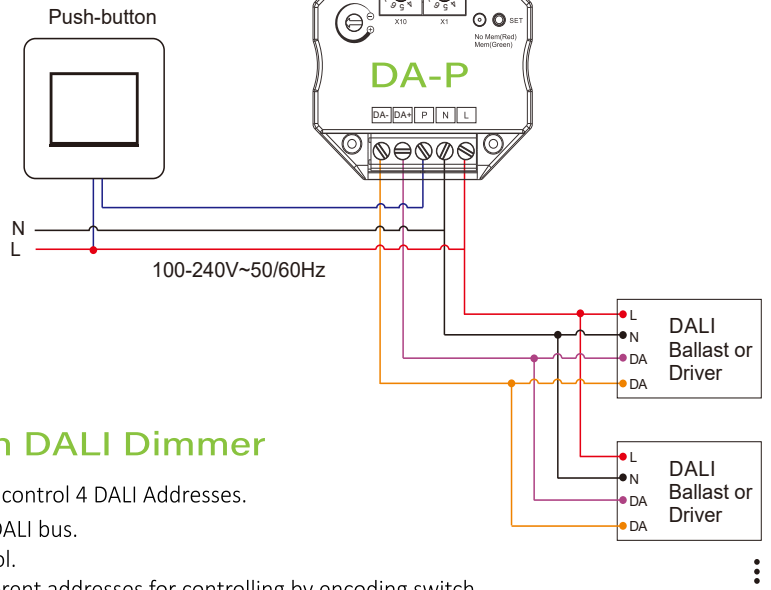
DA-P

DALI Push Dimmer

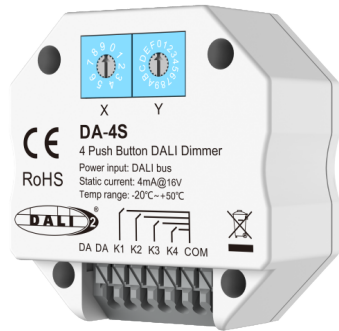
- Small Dimmer for DALI Drivers or Ballasts.
- Unidirectional and broadcasting communication.
- Control by conventional push-button, with or without memory:
Short press: turn on /off light.
Long press: dimming up/down.
- Dimming speed adjustable by rotary knob.
- Can be used as a DALI bus power supply to provide power

CE RoHS emc LVD RED

Input and Output		Environment		Package	
Input voltage	100-240V AC	Operation temperature	Ta: -30°C ~ +55°C	Size / Weight	L60x W60 x H40mm / 0.061kg
Input Signal	Push	Case temperature (Max.)	Tc: +75°C		
DALI bus Voltage output	16VDC	IP rating	IP20		
DALI bus Current	100mA max				



DA-4S



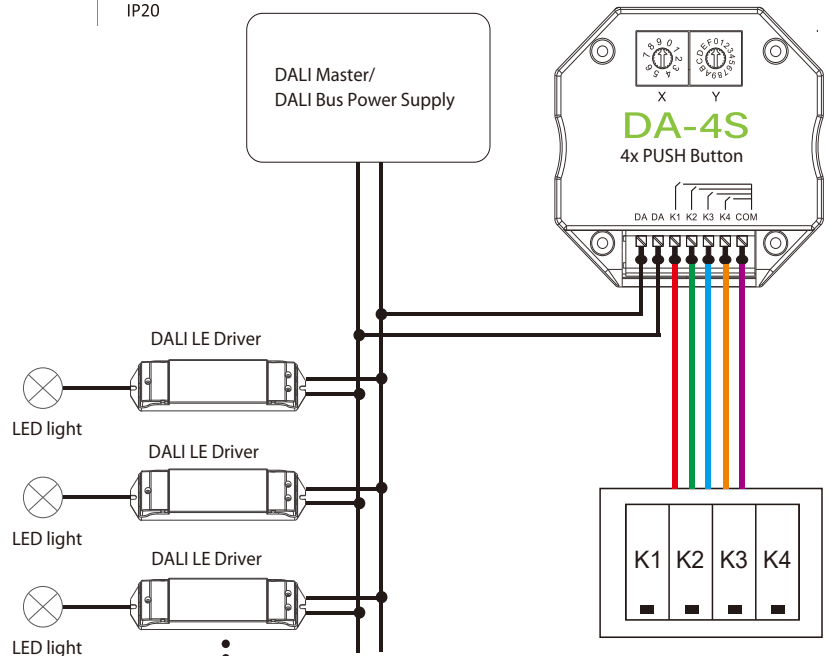
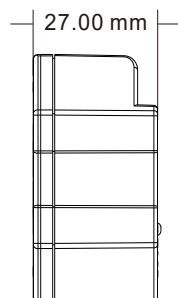
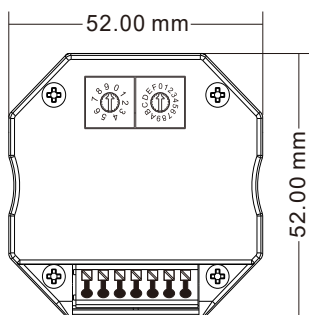
DA-4S

4 Push Button DALI Dimmer

- Standard DALI Master, control 4 DALI Addresses.
- Power is provided by DALI bus.
- 1-4 push button control.
- Enable to select 4 different addresses for controlling by encoding switch.
- Support scene, group, unicast and broadcast mode.
- Easy to be placed in standard wall junction box behind a push switch.
- Comply to latest DALI standard protocol IEC62386 and in compliance with DALI products from other

CE RoHS emc LVD RED

Input and Output		Environment		Package	
Input signal	4xpush switch signal	Operation temperature	Ta: -20°C ~ +50°C	Size / Weight	L60x W60 x H40mm / 0,046kg
Output signal	DALI signal	Case temperature(Max.)	Ta: +55°C		
Power supply	DALI bus	IP rating	IP20		
Static current	4mA@16V				





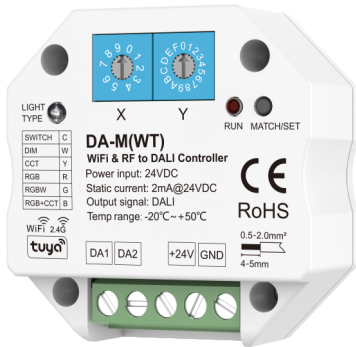
DA-MWT



DA-M(WT)

WiFi & RF to DALI Converter

- WiFi & RF DALI master, 6 in 1 function, support single color, color temperature, RGB, RGBW, RGB+CCT, or switch light control.
- Tuya APP cloud control, support on/off, color temperature and brightness adjust, delay turn on/off light, timer run, scene edit and music play function.
- Match with RF 2.4G single zone or multiple zone remote control optional.
- 1 DALI address, support DT6 dimming, DT8-TC color temperature, DT8-RGB, DT8-RGBW or DT7 switch.
- In accordance with DALI standard protocol IEC 62386-101, 102, 207, 208, 209 and in compliance with DALI products from other international incorporation.
- Enable to select DALI address by encoding switch, support unicast, group and broadcast mode
- Compatible remote control: RS1



RS1

CE RoHS emc LVD RED

Input and Output	
Power input	24VDC
Static current	2mA@24VDC
Input signal	Tuya APP + RF 2.4GHz
Output signal	DALI
Remote control distance	30m(open and barrier-free)

Environment	
Operation temperature	Ta: -20°C ~ +50°C
Case temperature (Max.)	Ta: +55°C
IP rating	IP20

Package	
Size / Weight	W60 x L 60 x H40mm / 0.061kg

wDALI interface to 0-10V with switch-on relay

Art.Nr. 89453852 (RM8 0-10V PWM)

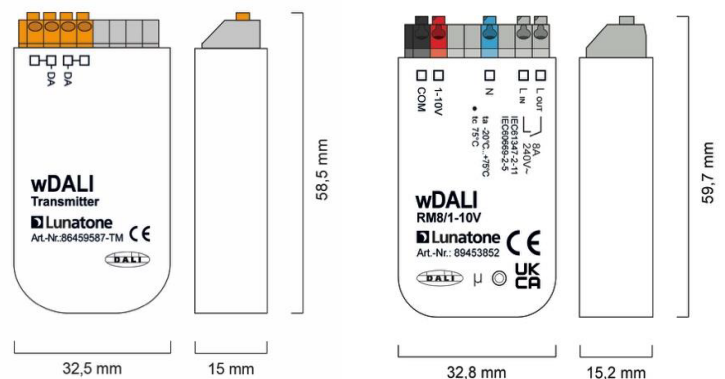
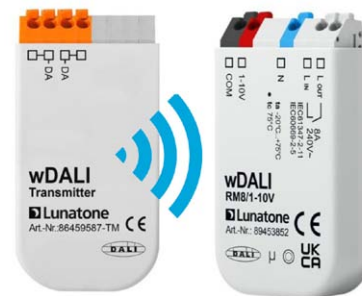
wireless expansion of a DALI-system with 0-10V ballast



DALI to 0-10V PWM interface

Art. Nr. 86458508-PWM

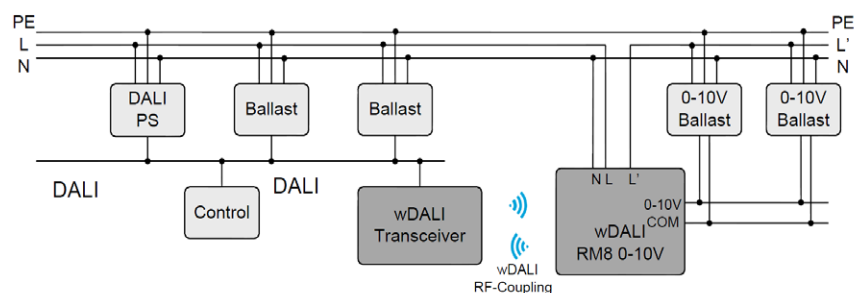
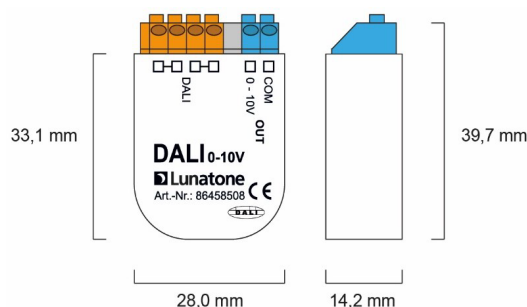
DT5 Converter Module for the integration of ballasts with PWM-control input in DALI systems



dimensions transmitter

dimensions receiver

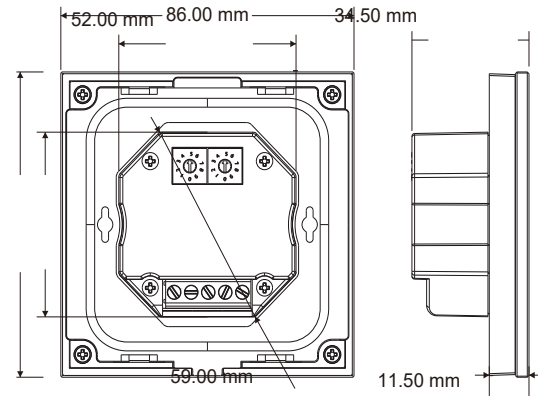
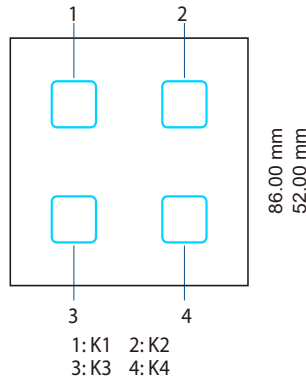
type	DALI-0-10V PWM
article number	86458508-PWM
supply	via DALI signal line
typ. current consumption DALI	3.1 mA
input	DALI
output	488Hz PWM (0%-100%)/1mA current sink
geometry (l/w/h)	39.7mm / 28.0mm / 14.2 mm
weight	~10g
storing and operational ambient temperature	-20°C to +75°C
protection class	IP20
connecting wire cross section	0.5-1.5 mm ²



typical installation

Model No.: TS4-D

4 button / Proximity sensing / Glass touch panel / Encoding switch select addresses



Features

- 4-button touch panel DALI master, control 4 DALI Addresses.
- Comply to latest DALI standard protocol IEC62386 and in compliance with DALI products from other international incorporation.
- Powered by DALI busor 24VDC.
- Enable to select 4 different addresses for controlling by encoding switch.
- Support scene, group, unicast and broadcast mode.
- Ultra sensitive high strength glass touch panel.
- Each button with blue LED indicator.
- Automatic blue backlight with proximity sensing to human fingers/palms.
- White & Black glass panel available.

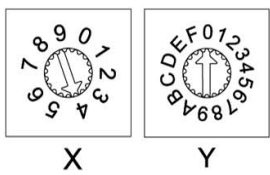
Input and Output		Environment		Package	
Power input	DALI bus/24VDC	Operation temperature	Ta: -20°C ~ +50°C	Size	L112x W112 x H50mm
Static current	15mA@16VDC, 2mA@24VDC	Case temperature(Max.)	Ta: +55°C	Gross weight	0.223kg
Input signal	Touch key	IP rating	IP20	Warranty	
Sensing distance	≤5cm			Warranty	5 years

DALI address setting

Address value = X * 10 + Y.

For example: X = 5, Y = 4, Address value = 5 * 10 + 4 = 54.

Unicast mode



X is 0-6, Y is 0-9.

Address value 0-63 correspond to DALI unicast address 00-63.

For example:

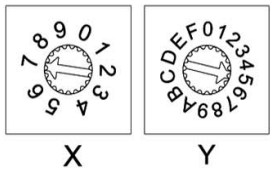
Address value = 40, the unicast values of K1, K2, K3, K4 button are 40, 41, 42, 43.

Address value = 62, the unicast values of K1, K2, K3, K4 button are 62, 63, 0, 1.

Short press K1, K2, K3, K4 to turn on/off light.

Long press K1, K2, K3, K4 to increase or decrease brightness.

Group mode



X is 7, Y is 0-F.

Address value 70-7F correspond to DALI group address 0-15.

For example:

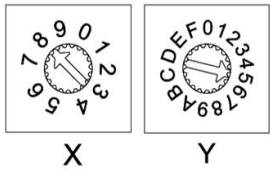
Address value = 5, the group address value of K1, K2, K3, K4 button are 5, 6, 7, 8.

Address value = E, the group address value of K1, K2, K3, K4 button are 14, 15, 0, 1.

Short press K1, K2, K3, K4 to turn on/off light.

Long press K1, K2, K3, K4 to increase or decrease brightness.

Scene mode



X is 8, Y is 0-F.

Address value 80-8F correspond to DALI scene 0-15.

For example:

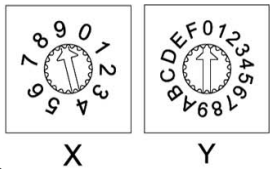
Address value = 5, the scene value of K1, K2, K3, K4 button are 5, 6, 7, 8.

Address value = E, the scene value of K1, K2, K3, K4 button are 14, 15, 0, 1.

Short press K1, K2, K3, K4 to recall the scene.

Long press K1, K2, K3, K4(2s) to turn off the scene light.

Broadcast mode

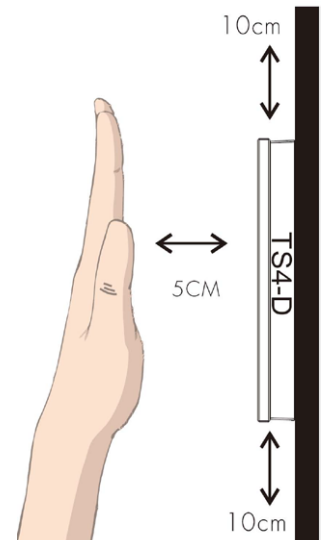


X is 9, Y is 0-F.

Address value 90-9F correspond to broadcast address.

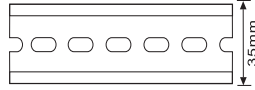
Short press K1, K2, K3, K4 to turn on/off light,

long press K1, K2, K3, K4 to increase or decrease brightness.



DALI/DMX 4-Channel Relay Switch

- 4 DALI address, 4 channel 16A dry contact mains rated relay switch output.
- OLED display screen, via button setting two work mode: DALI mode, DMX mode.
- DALI address can be manually assigned and shown in digital display or automatically assigned by DALI master.
- In accordance with DALI standard protocol IEC 62386-101,102, 208 and in compliance with DALI products from other international incorporation.
- Comply with the DMX512 standard protocols.
- RDM function can realize intercommunication between DMX master and decoder
- Supports manual switching of individual channels.
- High-inrush specification relays (single pole, normally open).
- Zero cross switching function.
- Can operate as:
 - 4 individual channels (4 × 1)
 - 2 sets of 2 channels (2 × 2)
 - 1 sets of 4 channels (1 × 4)



DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15



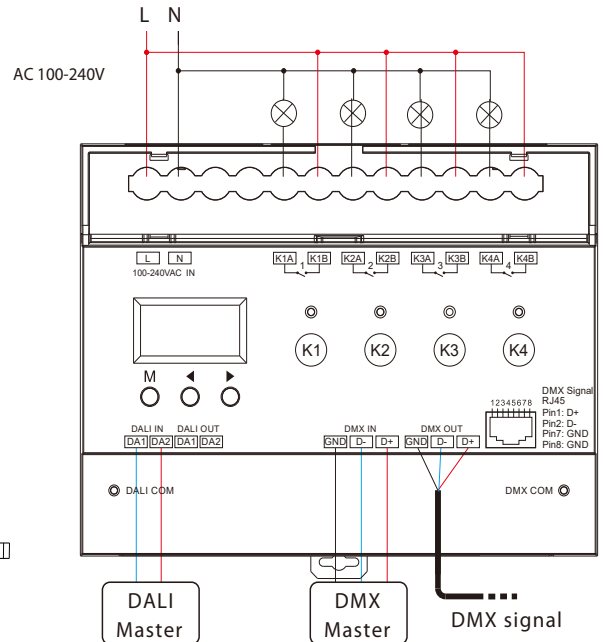
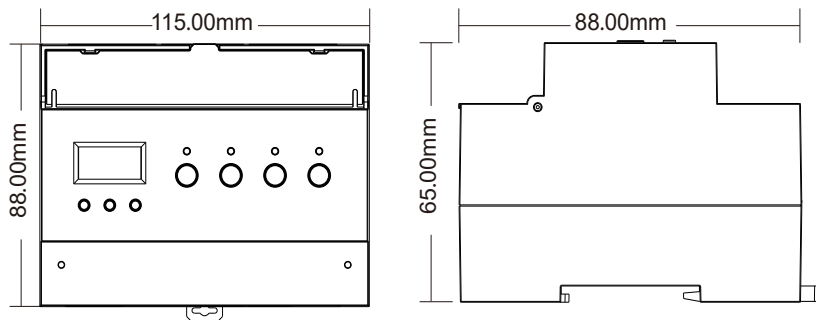
4CH / dry contact output / 4 DALI address / DMX-RDM / OLED display / Din Rail

CE RoHS emc

Technical Parameters

Input and Output		Safety and EMC		Environment	
Input voltage	100 -240VAC	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4	Operation temperature	Ta: -20°C ~ +50°C
Input current	0.1A	Safety standard(LVD)	EN 62368-1:2020+A11:2020	Case temperature(Max.)	Tc: +60°C
Input signal	DALI+DMX512	Certification	CE,EMC,LVD	IP rating	IP20
No-load standby power consumption	0.5W@100V, 1.5W@240V	Warranty and Protection		Package	
Full load loss power	4W@100V, 4.5W@240V	Warranty	5 years	Size	W118 x L102 x H71mm
Relay contacts	High inrush (120 A at 20ms), single-pole, single-throw (SPST) relay.			Gross weight	0.345kg
Max relay load current	16A resistive load (incandescent lamp) 8A Capacitive load (LED dimming driver) 8A inductive load (fluorescent lamp)				

Note: The maximum surge current of the AC output is 120A, the sum of surge current of multiple resistive load or inductive load (LED drivers) should not exceed its maximum value. Otherwise, the product will be overloaded and damaged.



1. System setting

System Setting
WorkMode: DALI
ChannelNum: 4
ManualSwitch: Yes

- Long press M button for 2s, enter system setting state, prepare to set the working mode, channel number and manual switch enable. Short press the M button to switch three setting items.
- Working mode: Short press ◀ or ▶ button, switch between DALI and DMX working mode.
- Channel number: Short press ◀ or ▶ button, switch the number of 4/2/1 channels, i.e. 4 independent channels (4x1), 2 groups of 2 channels (2x2) or 1 group of 4 channels (1x4).
- Manual switch enable: Short press ◀ or ▶ button, setting to allow (Yes) or disallow (No) the manual switching function, i.e. setting whether the four-channel manual switching buttons are active or not.
- Long press M button for 2s, or timeout 15s, quit system setting.

2. DALI mode

DALI Mode
CH1: 01 CH2: 02
CH3: 03 CH4: 04

In DALI mode, the DALI address can be set by buttons or DALI master control:

(1) Set DALI Address via buttons

- Short press M button, prepare for set the start DALI address. The four channels can be addressed separately, and the address setting of the four channels can be switched sequentially by short pressing the M button.
- Short press ◀ or ▶ button, change the address value of the current channel (00-63-FF), FF means unassigned DALI address. long press for fast adjustment.
- Long press M button for 2s, or timeout 15s, quit DALI address setting.

Model No.: D5

RDM/Stand-alone function / 8 bit or 16bit decode / Five PWM frequency / Multiple dimming curve / OLED display

Features

- 5 channels constant voltage output, Max. 6A current per channel, up to 720W output power.
- Master & decoder mode, RDM function.
- Easy operation with OLED display and 3 buttons.
- 1/2/3/4/5 channel decoding mode selectable.
- PWM frequency 250/500/2000/8000/16000Hz selectable.
- 16bit (65536 levels) /8bit (256 levels) grey level selectable.
- Output dimming curve gamma value 0.1-9.9 selectable.
- Stand-alone RGB mode and 5 channel dimmer mode selectable, work as DMX master(8 bit) to control other decoders.
- Built-in 25 RGB programs, speed and brightness adjustable.
- Support 3 kinds of DMX ports: Green terminal(amplify output), XLR3 and RJ45 port.
- Comply with the DMX512 standard protocols.
- Over-heat / Over-load / Short circuit protection, recover automatically.
- With fast self-testing function.

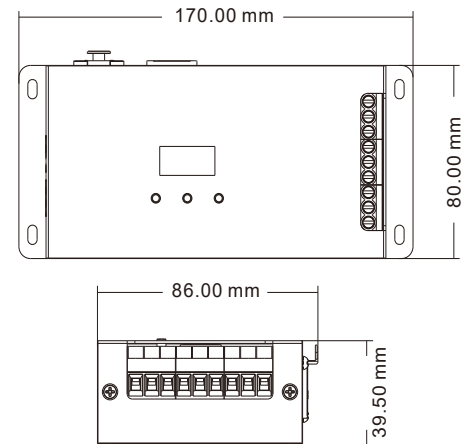
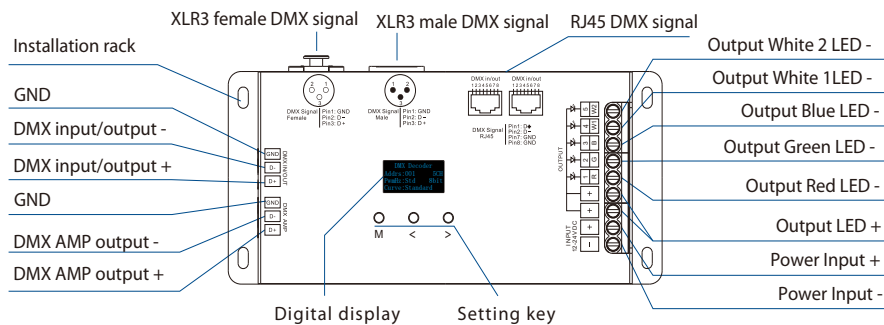


CE RoHS emc LVD

Technical Parameters

Input and Output		Safety and EMC		Environment	
Input voltage	12-24VDC	EMC standard (EMC)	EN55032:2015, EN61000-3-2:2014, EN61000-3-2:2013, EN55024 :2010/A1:2015	Operation temperature	Ta: -30°C ~ +55°C
Input current	30.5A			Case temperature (Max.)	Tc: +75°C
Output voltage	5 x (12-24)VDC			IP rating	IP20
Output current	5CH, 6A/CH	Safety standard(LVD)	EN 61347-1:2015 EN 61347-2-11:2015	Package	
Output power	5 x (72-144)W	Certification	CE,EMC,LVD	Size	L170 x W87 x H45mm
Output type	Constant voltage	Warranty		Gross weight	0.49kg
		Warranty	5 years		

Mechanical Structures and Installations



Address setting table

8bit:

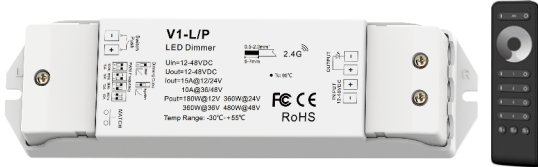
Decode Mode	1CH DIM	2CH CCT	3CH RGB	4CH RGBW	5CH RGB+CCT
Address Quantity	1	2	3	4	5
Channel	1	001	001	001	001
	2	001	002	002	002
	3	001	001	003	003
	4	001	002	003	004
	5	001	002	003	004

16bit:

Decode Mode	1CH DIM	2CH CCT	3CH RGB	4CH RGBW	5CH RGB+CCT
Address Quantity	2	4	6	8	10
Channel	1	001 002	001 002	001 002	001 002
	2	001 002	003 004	003 004	003 004
	3	001 002	001 002	005 006	005 006
	4	001 002	003 004	005 006	007 008
	5	001 002	003 004	005 006	007 008

LED Strip Controller

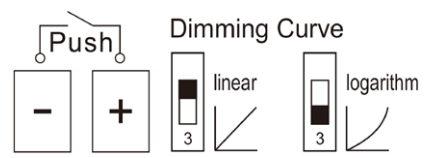
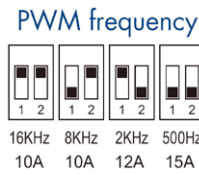
V1-L/P Single Color LED Controller



CE RoHS emc LVD RED



RF 2.4GHz

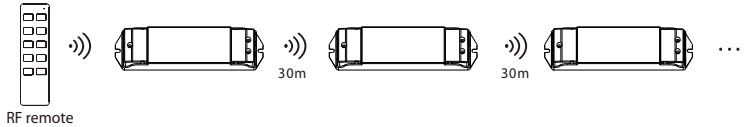
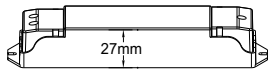
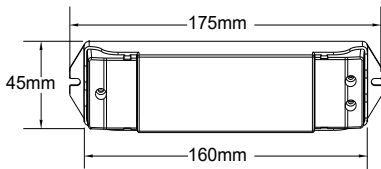


- 4096 levels 0-100% dimming smoothly without any flash
- Match with RF 2.4G single zone or multiple zone dimming remote control.
- One RF controller accept up to 10 remote control.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Logarithmic or linear dimming curve selectable.
- PWM frequency 500Hz, 2kHz, 8kHz or 16kHz selectable.
- Over-heat / Over-load / Short circuit protection, recover automatically
- Light on/off fade time 3s selectable.
- Compatible remote control: RS1

Input and Output	
Input voltage	12-48VDC
Output voltage	12-48VDC
Output current	15A@12/24V 10A@36/48V
Output power	180W@12V 360W@24V 360W@36V 480W@48V
Output type	Constant voltage

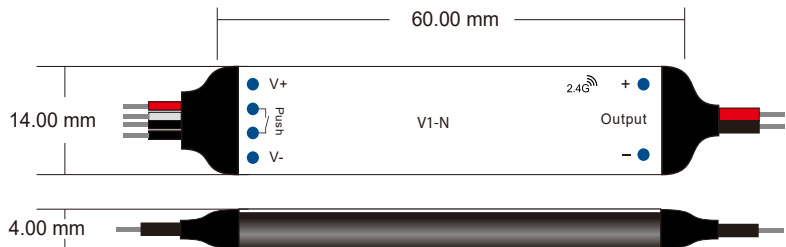
Dimming data	
Input signal	RF 2.4GHz + Push Dim
Control distance	30m (Barrier-free space)
Dimming gray scale	4096 (2 ¹²) levels
Dimming range	0-100%
Dimming curve	Logarithmic or linear
PWM Frequency	500Hz, 2kHz, 8kHz, 16kHz
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED
Protection	
Protection	Reverse polarity Over-heat Over-load Short circuit
Package	
Size / Weight	L178x W150 x H38mm / 0.14kg

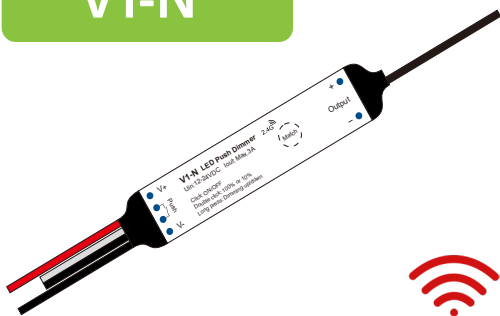


Auto-transmitting, Repeater Mode: One receiver can transmit the signals from the remote to another Receiver within 30m, as long as there is a receiver within 30m, the remote control distance can be extended.

Auto-synchronization: Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote.



V1-N



CE RoHS emc LVD RED



RF 2.4GHz

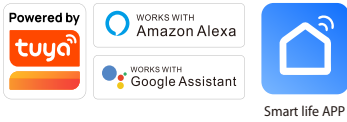
RF + Push Single Color LED Mini Controller

- 1 channel constant voltage single color LED mini RF controller.
- 3A per channel, output connect with 5 meters single color LED strip, max output power 75W.
- Connect with push switch to achieve on/off and 0-100% dimming function.
- Match with RF 2.4G single zone or multiple zone dimming remote control optionally.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any Eash.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Compatible remote control: RS1

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output power	Max. 75W
Output type	Constant voltage
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Ta: +85°C

Dimming data	
Input signal	RF 2.4GHz
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2 ¹²) levels
Dimming range	0-100%
Dimming curve	Logarithmic
PWM Frequency	500Hz (default)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,RED
Package	
Size / Weight	L90x H130mm / 0.013kg



V5-L(WT)

WiFi & RF 5 in1 LED Controller



- 5 in 1 function, used for control RGB, RGBW, RGB+CCT, color temperature or single color LED strip.
- DC12-48V input, 5 channel constant voltage output.
- Tuya APP cloud control, support on/off, RGB color, color temperature and brightness adjust, delay turn on/off light, timer run, scene edit and music play function.
- Voice control, support for Amazon Alexa, Google Assistant, Tmall Genie and Xiaodu smart speakers.
- Match with RF 2.4G remote control optional.
- User need set light type before Tuya APP network connection and match RF remote of the same light type.
- Each V5-L(WT) controller can also work as WiFi-RF converter, then use Tuya APP to control one or more RF LED controller or RF LED dimming driver synchronously.
- PWM frequency 500Hz, 2000Hz, 8000Hz or 16000Hz selectable.
- Light on/off fade time 3s selectable.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Compatible remote control: RS1, RS2, RT5



RS1



RS2



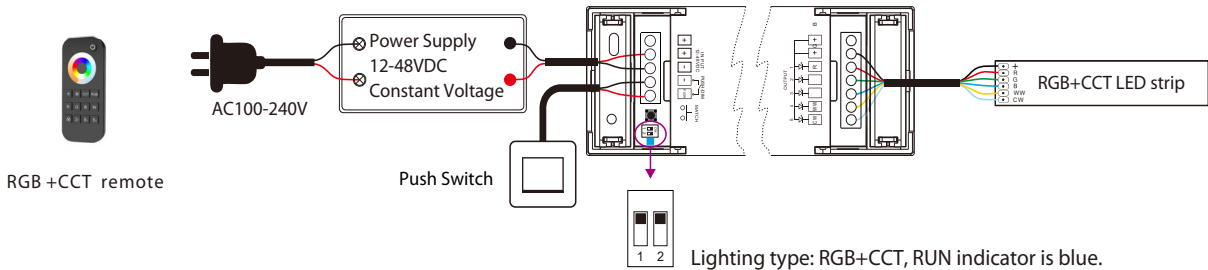
RT5

CE RoHS EMC LVD RED

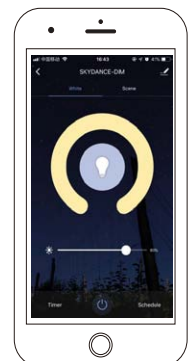
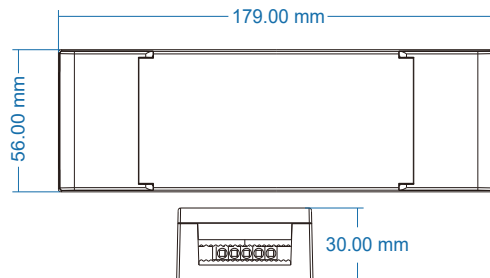
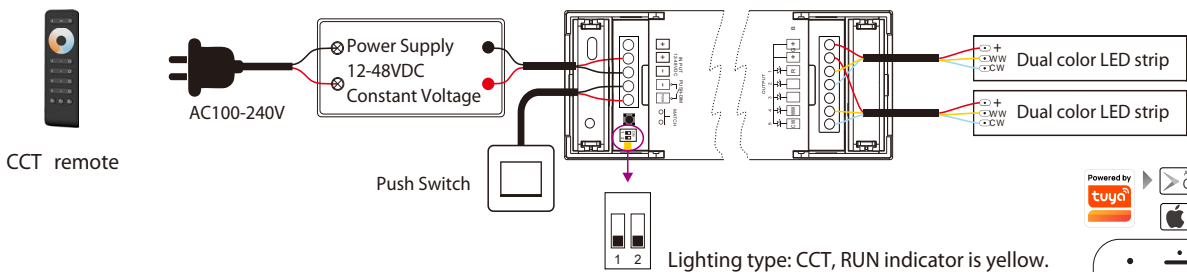
Input and Output		Dimming data		Safety and EMC	
Input voltage	12-48VDC	Input signal	Tuya APP + RF 2.4GHz + Push-DIM	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
Input current	30.5A	Control distance	30m(Barrier-free space)	EMC standard (EMC)	ETSI EN 301 489-17 V3.2.4
Output voltage	5 x (12-48)VDC	Dimming gray scale	4096 (2 ¹²) levels	Safety standard(LVD)	EN 62368-1:2020+A11:2020
Output current	6A/CH@12-24V 4A/CH@36-48V	Dimming range	0-100%	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Output type	Constant voltage	Dimming curve	Logarithmic	Certification	CE,EMC,LVD,RED
Protection	Reverse polarity Short circuit Overheat	PWM Frequency	2000Hz (default)	Package	
Protection		Environment		Size / Weight	L187 x W60 x H40mm / Weight
		Operation temperature	Ta: -30°C ~ +55°C	IP rating	IP20
		Case temperature(Max.)	Tc: +85°C		

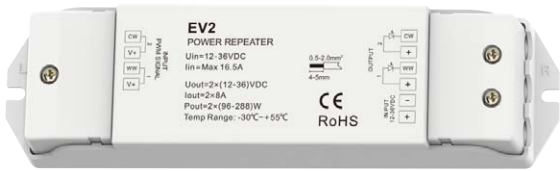
Support Multy Mode: RGB+CCT, RGBW, RGB, CCT & Single Colour

- For RGB+CCT



- For dual color CCT





2 Channel Constant Voltage Power Repeater

Power Repeater

- 12-36V constant voltage power repeater.
- 2 channel, 8A per channel.
- To receive PWM signal control.
- Power repeater in series or in parallel to expand output unlimitedly.
- Apply to single color or color temperature constant voltage LED strip or module.

CE RoHS LVD RED

EV2

Input and Output		Protection		Safety and EMC	
Input voltage	12-36VDC	Protection	Reverse polarity Over-heat Short circuit	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Input current	16.5A			Safety standard(LVD)	EN 62368-1:2020+A11:2020
Input signal	PWM	Environment		Certification	CE,EMC,LVD
Output voltage	2 x (12-36)VDC	Operation temperature	Ta: -30°C ~ +55°C	Package	
Output current	2CH,8A/CH	Case temperature (Max.)	Tc: +85°C	Size / Weight	L178x W50 x H38mm / 0.129kg
Output power	2 x (96-288)W	IP rating	IP20		
Output type	Constant voltage				

EV5



5 Channel Constant Voltage Power Repeater

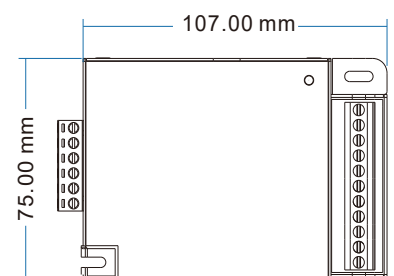
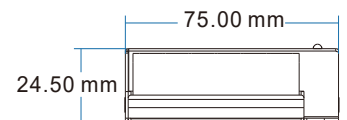
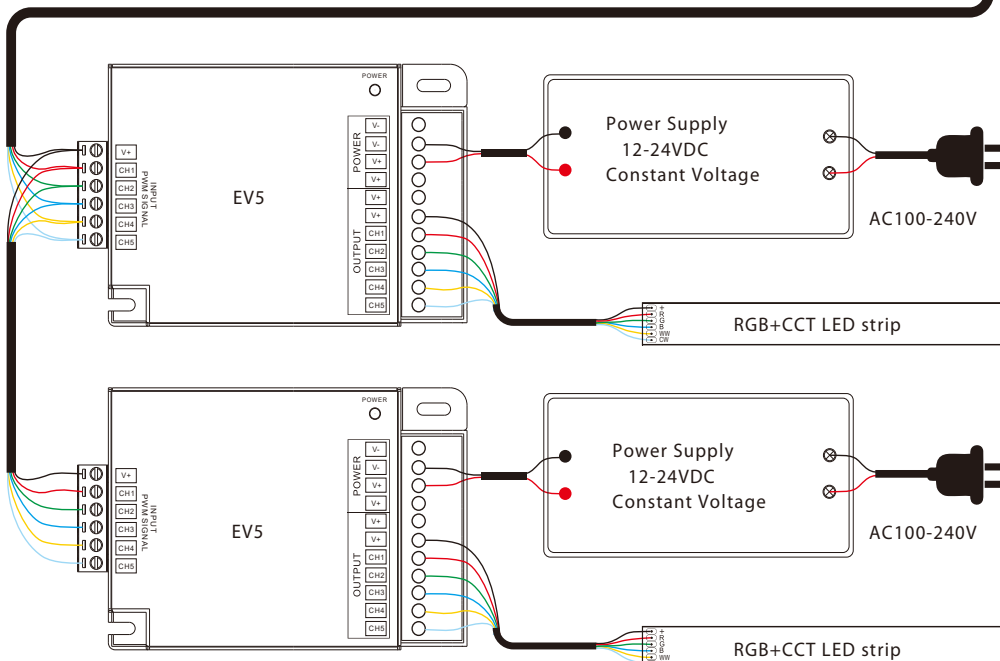
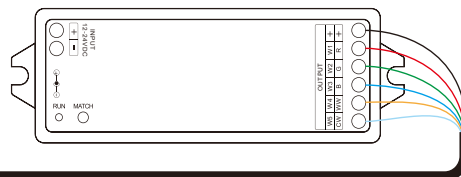
Power Repeater

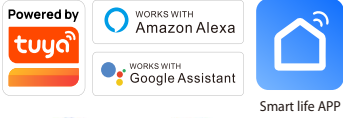
- 12-24V constant voltage power repeater.
- 5 channel, 5A per channel.
- To receive PWM signal control.
- Power repeater in series or in parallel to expand output unlimitedly.
- Apply to RGB+CCT constant voltage LED strip or module.

CE RoHS LVD RED

Technical Parameters

Input and Output		Protection		Safety and EMC	
Input voltage	12-24VDC	Protection	Reverse polarity	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Input current	25.5A			Safety standard(LVD)	EN 62368-1:2020+A11:2020
Input signal	PWM	Environment		Certification	CE,EMC,LVD
Output voltage	5 x (12-24)VDC	Operation temperature	Ta: -30°C ~ +55°C	Package	
Output current	5CH,5A/CH	Case temperature (Max.)	Tc: +85°C	Size / Weight	L120 x W90 x H30mm / 0.264kg
Output power	5 x (60-120)W	IP rating	IP20		
Output type	Constant voltage				





R9

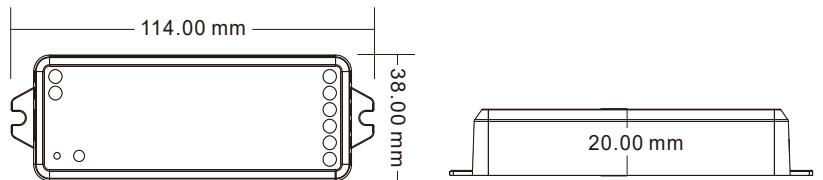
WT-SPI

RGB/RGBW SPI LED Controller

- Multi-pixel RGB/RGBW LED strip controller with SPI signal output, Tuya APP cloud control.
- Voice control, support for Amazon ECHO, Google, Tmall Genie and Xiaodu smart speakers.
- Compatible with RGB or RGBW LED strips with 49 kinds chip, the chip type and R/G/B/W color sequence can be set through the APP.
Compatible chip: TM1809(default), TM1804, TM1812, UCS1903, UCS1909, UCS1912, SK6813, UCS2903, UCS2909, UCS2912, WS2811, WS2812, WS2813, WS2815, SM16703P, TM1803, TM1829, TLS3001, TLS3002, GW6205, MBI6120, TM1814B(RGBW), SK6812(RGBW), WS2813(RGBW), WS2814(RGBW), UCS8904B(RGBW), LPD6803, LPD1101, D705, UCS6909, UCS6912, LPD8803, LPD8806, WS2801, WS2803, P9813, SK9822, TM1914A, GS8206, GS8208, UCS2904, SM16804, SM16825, SM16714(RGBW), UCS2603, UCS5603, SM16714D, UCS7604(RGBW), UCS7804(RGBW).
- Painted segment color mixing: full color Dlling, color pencil segment painting, eraser segment light off.
- Rich dynamic effects: 44 default and 10+ custom dynamic scenarios, 16 variations.
- 3 APP music rhythms.
- Compatible remote controll: R9

CE RoHS EMC LVD RED

Input and Output		Safety and EMC		Environment	
Input voltage	5-24VDC	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3	Operation temperature	Ta: -30°C ~ +55°C
Input Current	8A		ETSI EN 301 489-17 V3.2.4	Case temperature (Max.)	Tc: +65°C
Input signal	Tuya APP + RF 2.4GHz	Safety standard(LVD)	EN 62368-1:2020+A11:2020	IP rating	IP20
Output signal	SPI(TTL) x 2	Certification	CE, EMC, LVD	Package	
Scenario Mode	44 default and 10+ customizations			Size / Weight	L120 x W43 x H27mm / 0.066kg
Pixel Dots	MAX.1000				



Wiring Diagram

- WT-SPI connect with SPI spotlights (TM1803)

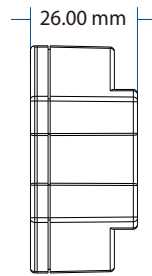
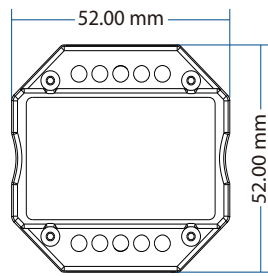


- WT-SPI connect with SPI pixel strips (LPD6803)



- WiFi-SPI connect with SPI digital light tube (TM1809)





SA

SPI Signal Splitter

SA SPI

CE RoHS EMC LVD RED

- Split 1 group SPI signal (data+clock) to 2 group SPI signals.
- Used with SPI controller, applied to synchronous control multiple SPI digital RGB or RGBW LED strips.

Input and Output	
Input voltage	5-24VDC
Input Current	0.5A Max.
Input signal	1 group SPI (TTL) signal
Output signal	2 group SPI (TTL) signals
Protection	
Protection	Reverse Polarity

Operation temperature	Ta: -30°C ~ +55°C
Case temperature(Max.)	Tc: +65°C
IP rating	IP20
Package	
Size / Weight	L56 x W56 x H35mm / 0.049kg

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Certification	CE,EMC,LVD



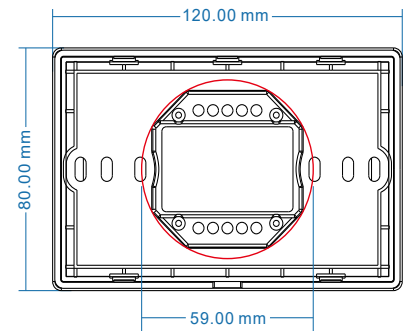
T15-IT

Wall Mounted Crystal Glass Touch Panel Remote Controller 2.4GHz, 230VAC

4 Zone / 1-5 color in one, Color wheel / AC input
DMX 512 and RF-2.4GHz signal output

- Touch panel 4 zone 1-5 color universal DMX512 master, can also be used as 4 zone 1-5 color universal RF remote
- Each zone can be set as single color, dual color(WW/CW), RGB, RGBW or RGB+CCT light type.
- DMX signal output, comply to standard DMX512 protocol, compatible with DMX decoder from any supplier.
- When used as RF remote, each zone can remote control multiple Skydance's 2.4G LED controllers.
- Ultra sensitive high strength glass touch panel with touch color wheel in the middle.
- Smooth and accurate color adjustment by touching the color wheel.
- Touch keys with chord tones and LED indicator.
- White & Black glass panel available.

T15-IT

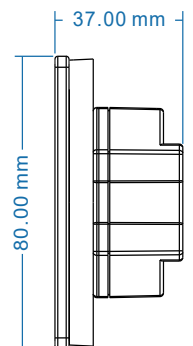


Technical Parameters

Input and Output	
Input voltage	100-240VAC
Input current	Max 0.1A
Output signal	DMX512, RF 2.4GHz
Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED
Warranty	
Warranty	5 years

CE RoHS EMC LVD

Dimming data	
Input signal	Touch key + RF 2.4GHz
RF Control distance	10m (Barrier-free space)
Dimminglevel	256 levels
Dimmingrange	0 - 100 %
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +65°C
IP rating	IP20



- : Long press 2 seconds, set current zone as **single color** type.
- : Long press 2 seconds, set current zone as **dual color** type.
- : Long press 2 seconds, set current zone as **RGB color** type.
- M** : Long press 2 seconds, set current zone as **RGBW** type.
- : Long press 2 seconds, set current zone as **RGB+CCT** type.

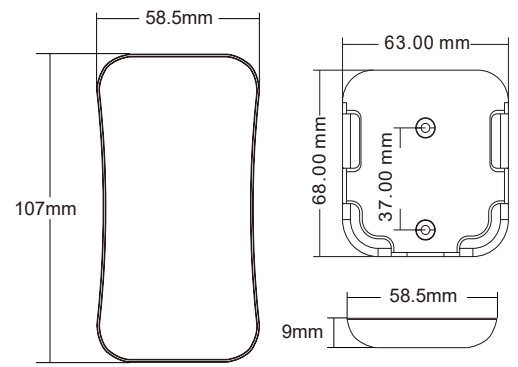
Ultrathin RGB/RGBW RF Remote Controller



RF 2.4GHz **R9**

- Apply to RGB or RGBW LED controller.
- Each remote can match one or more receiver.
- CR2032 battery powered.
- Operate with LED indicator light.
- White & Black available.

CE RoHS EMC LVD RED



Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(CR2032)
Working current	<5mA
Standby current	<2μA
Standby time	1 year
Remote distance	30m(Barrier-free space)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,RED

Environment	
Operation temperature	Ta: -30°C ~ +55°C

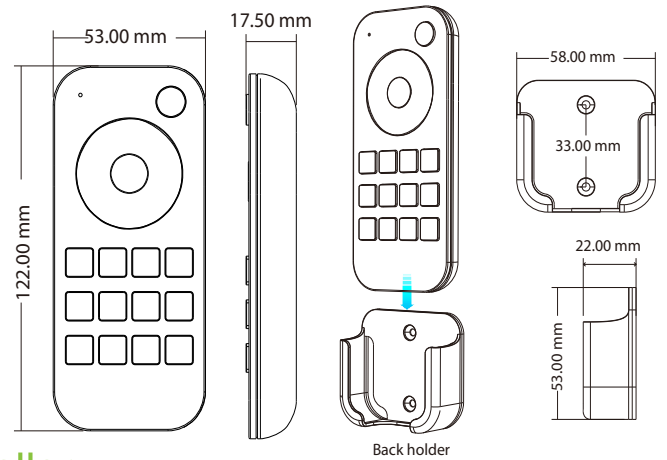
Package	
Size / Weight	L114 x W65 x H20mm / 0.058kg



RT5

- Apply to RGB+CCT LED controller.
- Ultra sensitive color adjustment touch wheel.
- Each remote can match one or more receiver.
- AAAX2 battery powered.
- Operate with LED indicator light.

CE RoHS EMC LVD RED



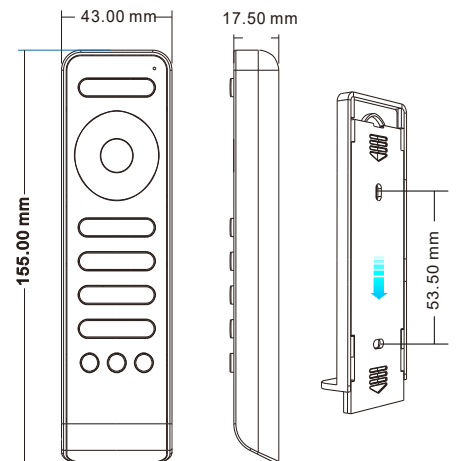
RGB+CCT Touch Wheel RF Remote Controller

Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(CR2032)
Working current	<5mA
Standby current	<10μA
Standby time	1 year
Remote distance	30m(Barrier-free space)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

Environment	
Operation temperature	Ta: -30°C ~ +55°C

Package	
Size / Weight	L140 x W60 x H26mm / 0.088kg



Touch Wheel RF Remote Controller



RS1

RS2

RS1 / RS2

- Apply to single color or dual color LED controller.
- **RS1** : 4 Zone dimming / **RS2** : 4 Zone CCT
- Ultra sensitive color adjustment touch wheel.
- Each remote can match one or more receiver.
- AAAX2 battery powered.
- Operate with LED indicator light.
- Magnet on the back which can be stuck on back holder.

Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(CAAAX2)
Working current	<5mA
Standby current	<10μA
Standby time	1 year
Remote distance	30m(Barrier-free space)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

Environment	
Operation temperature	Ta: -30°C ~ +55°C

Package	
Size / Weight	L170 x W45 x H28mm / 0.111kg

CE RoHS EMC LVD RED

EH-R

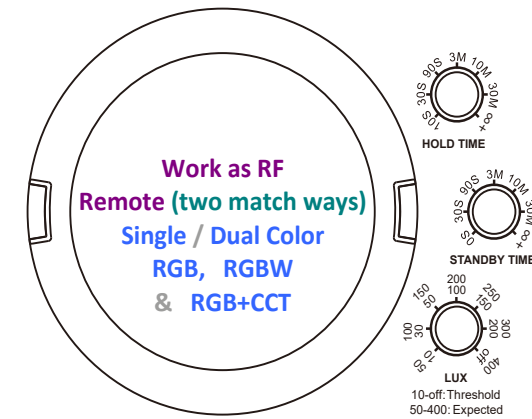
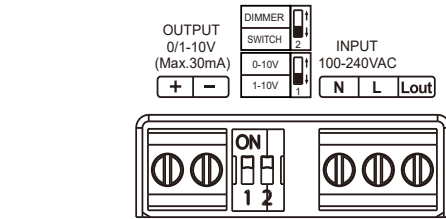
PIR Induction Dimmer & Switch

Model No.: EH-R

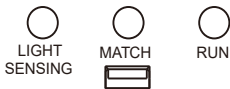
PIR Induction/ 0-10V output/AC relay output/RF 2.4G remote/Ceiling mounting

Features

- Ceiling mounting PIR motion detectors, built-in daylight sensor.
- Output 1 channel 0/1-10V signal, connect with 0/1-10V dimmable driver.
- High voltage AC input, High voltage AC relay output with zero-cross detection.
- Work as RF remote, output RF 2.4G signal, matched with RF LED controller or RF dimmable LED driver optional.
- Time delay and light threshold can be set via knob potentiometer.



Work as RF Remote (two match ways)
Single / Dual Color
RGB, RGBW & RGB+CCT



CE RoHS emc LVD RED

Working voltage	100-240VAC
Output signal	0/1-10V(Max.30mA), RF 2.4GHz
Output current	Max 4A (AC)
Power consumption	<1.3W(Operation)
Detection zone	Max.(DxH) 10 x 5m
Hold time	10s/30s/90s/3min/10min/30min/+ ∞
Stand-by time	0s/30s/90s/3min/10min/30min/+ ∞
Daylight threshold	10lux/30lux/50lux/100lux/150lux/200lux/Disable
Expected light	50lux/100lux/150lux/200lux/250lux/300lux/400lux
Mounting height	5m Max.
Detection angle	360°(ceiling installation)
Operation temperature	Ta: -20°C ~ +50°C
IP rating	IP20
Warranty	5 years



1. With sufficient ambient light, the sensor does not turn on the light.



2. With insufficient ambient light, the sensor turns on the light and dim to 100% brightness when motion is detected.



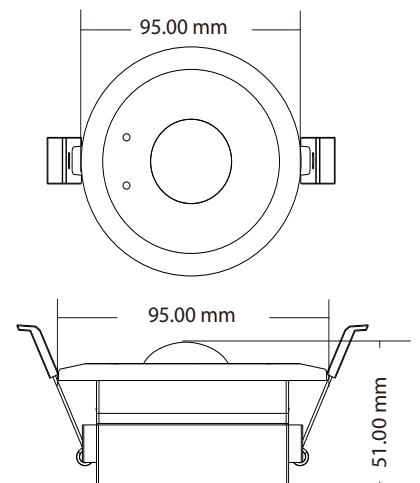
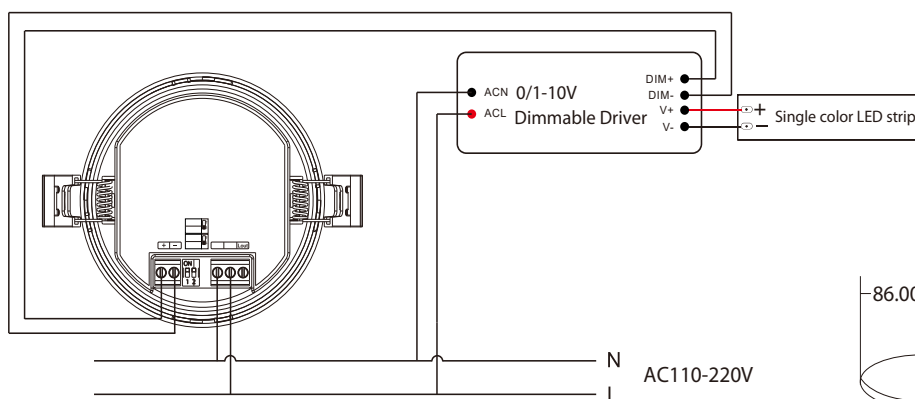
3. After elapse of hold time, the sensor dim to 20% brightness if no new motion detected.



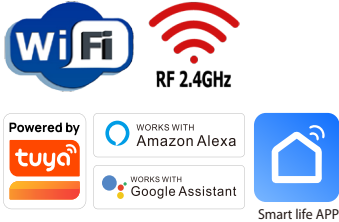
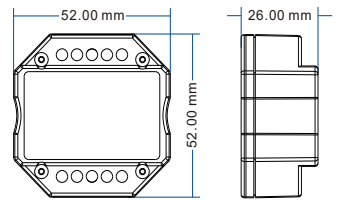
4. After elapse of stand-by time, the sensor turns off the light if no motion detected.

Wiring diagram

- Used as dimmer or switch, connect with 0/1-10V dimming driver (use AC OUT)



0-10 Dimmer



L1(WT)

0/1-10V WiFi + RF + Push Dimmer

- WiFi + RF + AC push 0/1-10V dimmer, 1 channel output.
- Output 1 channel 0/1-10V signal, connect with 0/1-10V dimmable driver.
- Tuya APP cloud control, support on/off, brightness adjust, delay turn on/off light, timer run, scene function.
- Voice control, support amazon ECHO and TmallGenie smart speaker.
- 0-10V or 1-10V output selectable by DIP switch.
- 256 levels 0-100% dimming smoothly without any flash.
- Compatibility with RF 2.4G single zone or multiple zone dimming remote control.
- Each L1(WT) controller can also work as WiFi-RF converter, then use Tuya APP to control one or more RF dimming LED controller or driver synchronously.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Light on/off fade time 3s selectable.
- Compatible remote control: RS1



CE RoHS emc LVD RED

Input and Output	
Input voltage	AC100-240V
Output signal	0/1-10V (20mA)
Dimming data	
Input signal	Tuya APP + RF + Push Dim
RF Control distance	30m(Barrier-free space)
Dimming level	256 levels
Dimming range	0-100%

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +65°C
IP rating	IP20

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Certification	CE,EMC,LVD,RED
Package	
Size / Weight	L52 x W52 x H28mm / 0.061kg



WiFi & RF Smart AC Switch

Model No.: SS-L(WT)

Tuya APP cloud control / Voice control / Push onoff / Relay output / Zero-crossing detection

Features

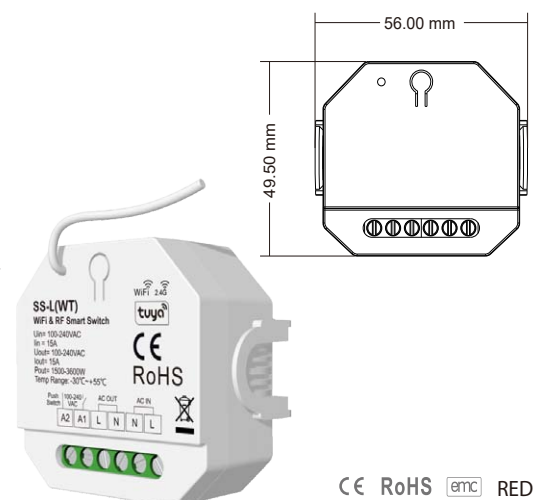
- WiFi + RF + AC push smart switch, without dimming function.
- To switch single color LED lamps, traditional incandescent and halogen lights.
- Tuya APP cloud control, support on/off, delay turn on/off light and timer run function.
- Voice control, support for Amazon Alexa, Google Assistant, Tmall Genie and Xiaodu smart speakers.
- Compatibility with RF 2.4G dimming remote control.
- Each SS-(WT) controller can also work as WiFi-RF converter, then use Tuya APP to control one or more RF switch or controller synchronously.
- Connect with external push switch optional.
- High-inrush specification relays (normally open).

Technical Parameters

Input and Output	
Input voltage	AC100-240V
Output voltage	AC100-240V
Output current	15A (Resistive load) 10A (inductive load)
Output power	1500-3600W
Relay surge current	120A (20ms)
Input signal	Tuya APP+ Push switch + RF 2.4GHz
RF Control distance	30m (Barrier-free space)

Safety and EMC	
EMC standard(EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment (RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,RED
Warranty	
Warranty	5 years

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20
Package	
Size	L60x W60 x H40mm
Gross weight	0.061kg



CE RoHS emc RED

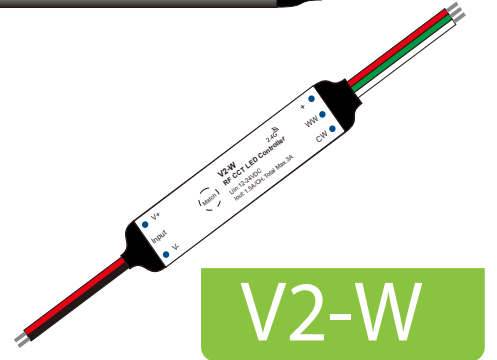
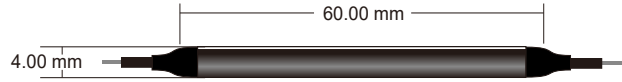
V2-W

RF CCT



Dual Color LED Mini RF Controller

- 2 channel constant voltage dual color LED mini RF controller.
- 1.5A per channel, output connect with 5 meters dual color LED strip, max output power 75W.
- Match with RF 2.4G single zone or multiple zone dual color remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any Cash
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.



CE RoHS emc RED

2 channel constant voltage / Max 75W / Step-less dimming / Wireless remote control

Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	RF 2.4GHz	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
Output voltage	12-24VDC	Control distance	30m(Barrier-free space)	Safety standard	EN 62368-1:2020+A11:2020
Output power	Max. 75W	Dimming gray scale	4096 (2 ¹²) levels	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Output type	Constant voltage	Dimming range	0 -100%	Certification	CE,EMC,RED
Environment		Dimming curve	Linear	Package	
Operation temperature	Ta: -30°C ~ +55°C	PWM Frequency	1000Hz (default)	Size	L90x H130mm
Case temperature(Max.)	Tc: +85°C	Warranty	5 years	Gross weight	0.013kg
IP rating	IP20				

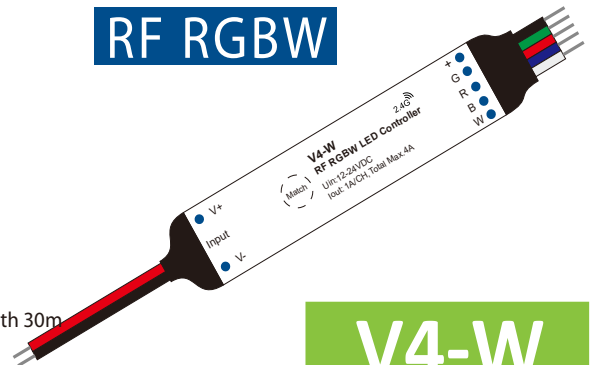
V4-W

RGBW LED Mini RF Controller

4 channel constant voltage / Max 75W / Step-less dimming / Wireless remote control

- 4 channel constant voltage RGBW LED mini RF controller.
- 1A per channel, output connect with 5 meters RGBW LED strip, max output power 75W .
- Match with RF 2.4G single zone or multiple zone RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash
- Built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m
- Synchronize on multiple number of controllers.

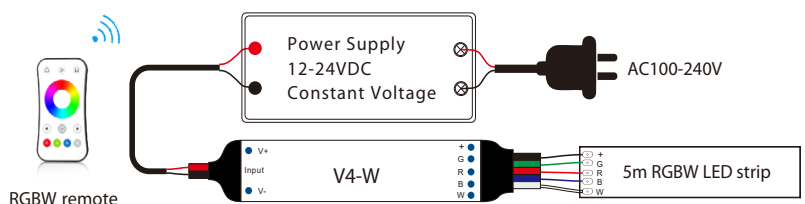
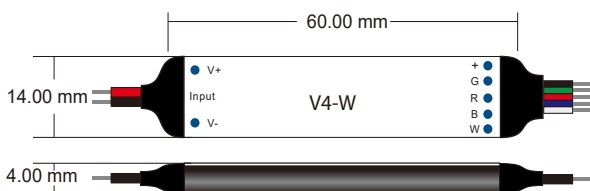
RF RGBW



Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	RF 2.4GHz	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
Output voltage	12-24VDC	Control distance	30m(Barrier-free space)	Safety standard	EN 62368-1:2020+A11:2020
Output current	Max. 75W	Dimming gray scale	4096 (2 ¹²) levels	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Output type	Constant voltage	Dimming range	0 -100%	Certification	CE,EMC,LVD,RED
Environment		Dimming curve	Logarithmic	Package	
Operation temperature	Ta: -30°C ~ +55°C	PWM frequency	500Hz (default)	Size	L90x H130mm
Case temperature(Max.)	Tc: +85°C	Warranty	5 years	Gross weight	0.038kg
IP rating	IP20				

Dimension

Wiring Diagram





Vidosec

Owner of Vidosec and LEDsec brand names

Euro Tech Coporation Kft.

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