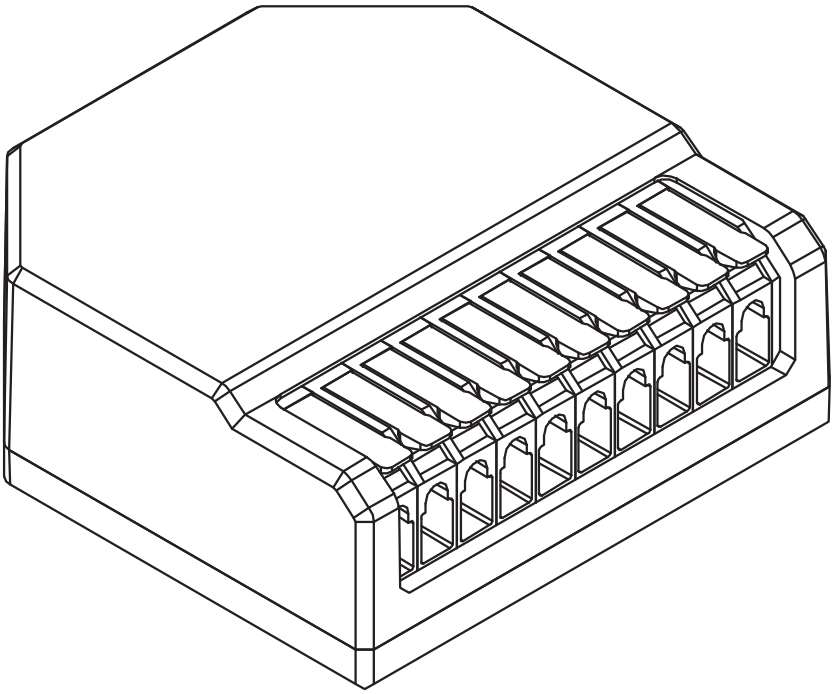
INSTRUCTIONS MANUAL



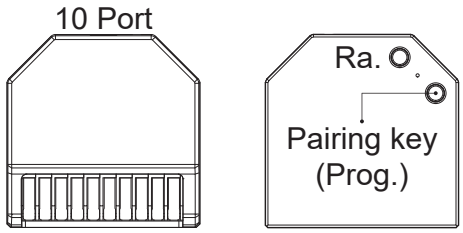
Wireless DC RGBCW Controller

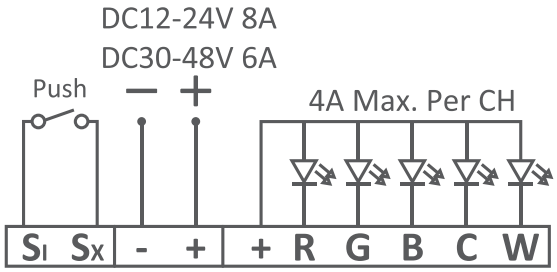
Product Code: DD06, DD06-MW

Ver 5.0

A. PRODUCT SPECIFICATIONS

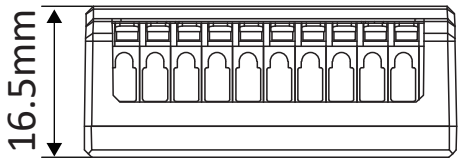
1CH

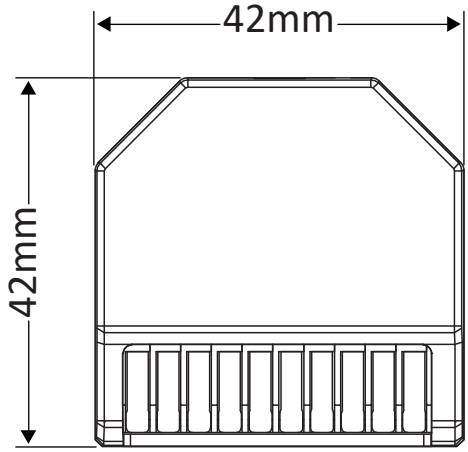




PRODUCT CODE	DD06	DD06-MW
LOAD	12-24 Vdc 8A Max | 30-48 Vdc 6A Max	
RADIO FREQUENCY	433Mhz for Kinetic Switch & Remote	
SMART PROTOCOL	\	2.4Ghz, Matter over Wi-Fi
WALL SWITCH COMPATIBLE	Yes	
CHANNEL	1CH	
IP RATING	IP20	
TEMP. RANGE	-20 ~ 40°C	
HOUSING TEMP.	Ta: 40°C Tc: 80°C	

B. PRODUCT DIMENSIONS





C. INSTALLATION

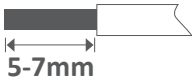
CAUTIONS:

Do not over-lift the lockup arms on the terminals.
Max openning angle is within 30° from the closed postion.

*This section uses a 7-pin controller as an installation demonstration.

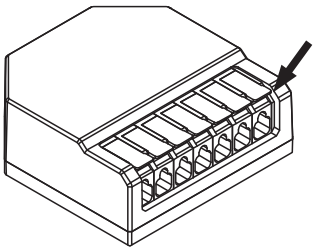
Cable Size: 0.8-2.5mm²

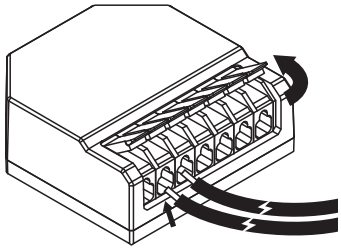
ⓐ

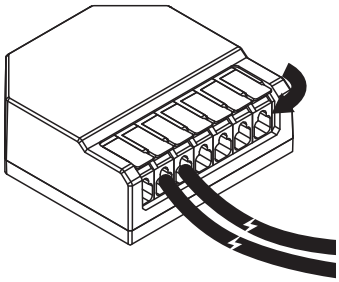


ⓑ Lift up the lockup arms.

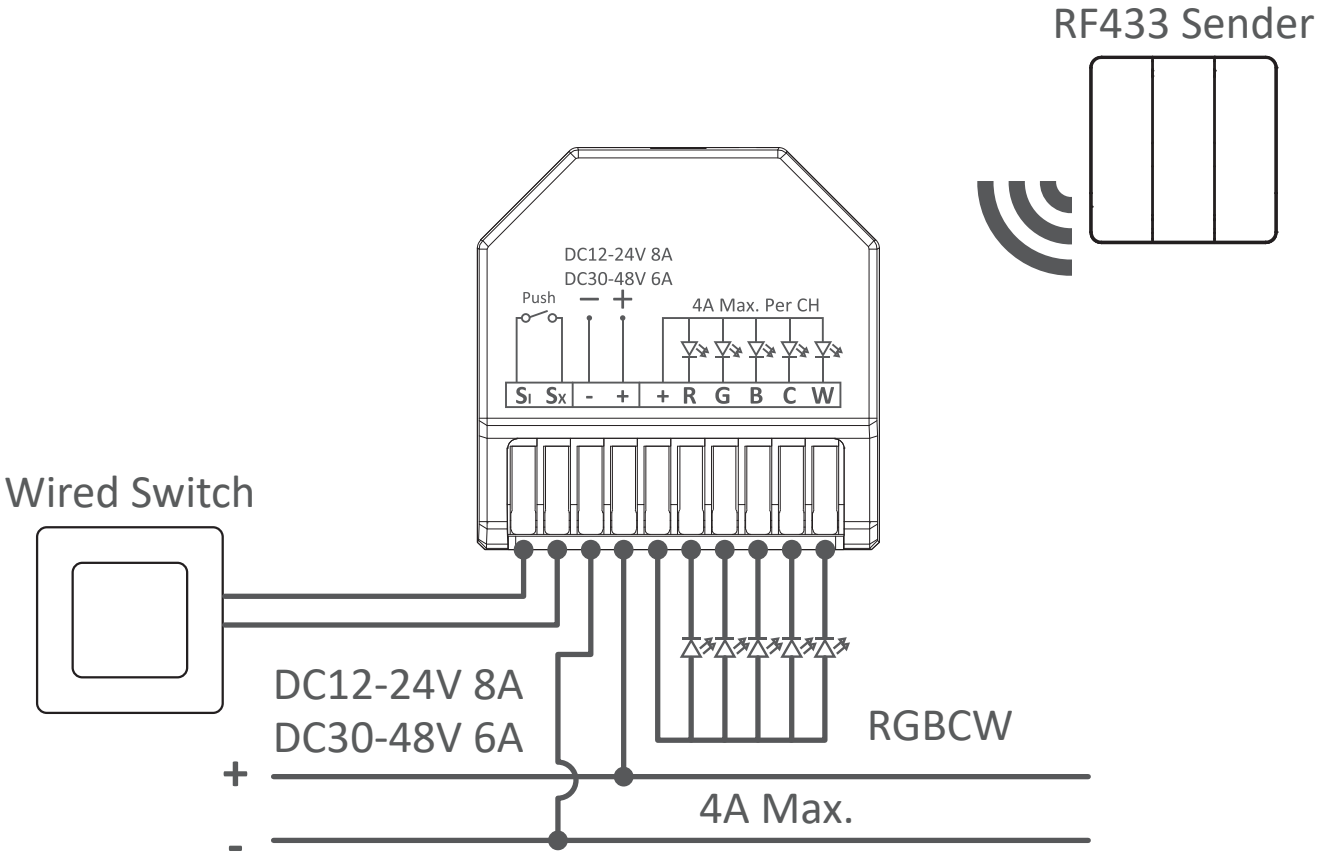
ⓒ







D . WIRING DIAGRAM

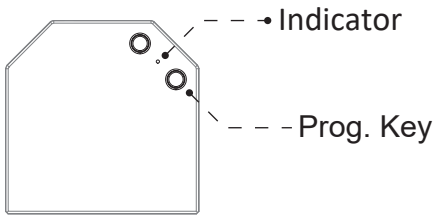


a. Power must be turn off before installation.
b. Installation must be carried out by professional electrician.

E. PAIRING PROCESS OVERVIEW

Short Press Prog. Key to:

Turn On (Indicator light steady green)
Turn Off (Indicator light flashing green)



Long Press Prog. Key: **or** **Turn on/off Power Supply**

Functions:

5 Times 7 Times

0s → 3s → 6s → 9s → 12s → 15s

Awaiting	RF Pairing	APP Pairing	RF Deletion	Awaiting	Full Reset
Constant red	Slow red flashing	Quick red flashing	Red & green alternating flashing	Constant red	Yellow-green flashing

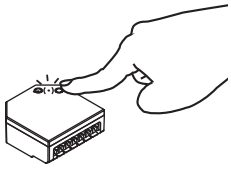
Indicator:

F. PAIRING - WIRELESS RF433 SENDER

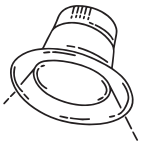
Option 1.

a. Press and hold the Prog. Key for **3s** until the **RED** indicator flashes slowly, and release to enter RF pairing window (the light will flash **Twice** and stay on).

b. While the RED indicator on the controller is flashing slowly, press the RF sender **ONCE** to complete the pairing.



Hold on Prog. key over **3s**
Indicator: **RED** flashes **slowly**

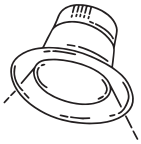


Light flash **Twice** and stay on

Option 2.

a.Turn On /Off the power supply 5 times constantly (*the **GREEN** indicator is on/off **5 times** constantly) to enter RF pairing window.

b.While the RED indicator on the controller is flashing slowly, press the RF sender **ONCE** to complete the pairing.



Light flash **Twice** and stay on

Turn On/Off the power supply **5 times** constantly
Indicator: **RED** flashes **slowly**

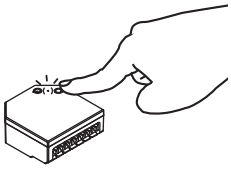
*COMPATIABLE RF433 SENDER(ORDER SEPARATELY)

1.Kinetic Switch: Self-powerd
2.Battery Switch: Battery-powered
3.Battery Remote: Battery-powered

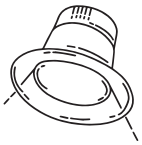
***Please refer to the related RF sender's instruction manual on how to work.**

G. PAIRING - SMART APPLICATIONS

Option 1. Press and hold the Prog. Key for **6s** untill the **RED** indicator to **flash quickly** and release to enter App pairing window, the light would flash **3 times** and stay on.

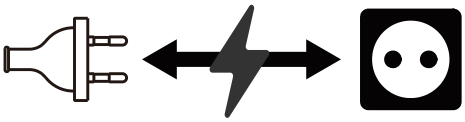


Hold on Prog. key over **6s**
Indicator: **RED** flash **quickly**

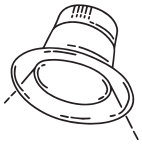


Light flash **3 times**
and stay on

Option 2. Turn On/Off the power supply **7 times** constantly (*the **GREEN** indicator is on/off **7 times** constantly) to enter App pairing window, the light would flash **3 times** and stay on.



Turn on/off the power supply **7 times** constantly
Indicator: **RED** flash **quickly**



Light flash **3 times**
and stay on

matter App Pairing (**the only RF version controller can't support*)

Preparation for matter over wifi App pairing:

a. Strong WiFi Signal cover is important to run this matter over WiFi receiver.
b. Only **2.4G** WiFi router compatible.
c. Open Location access to your preferred smart App before pairing.
d. Turn on Bluetooth on your smart phone.

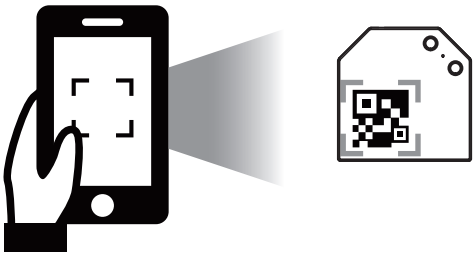
2.4G WiFi

Location

Bluetooth

*COMPATIABLE APPLICATIONS

Simply scan the QR code on the controller with one of apps that compatiable with Matter to quick and easy setup.



***Note: The Matter LED Controller requires a control center or a hub of the selected app platform!**

The Matter controller can work with all certified smart home platforms, such as:

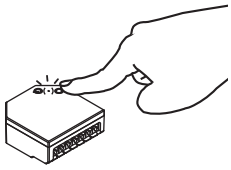
HomeKit Google Home Alexa SmartThings

Other App: tuya *Only support local control.

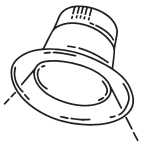
Voice control: supports Apple HomePod, Amazon ECHO and Google Nest speakers.

H. UNPAIRING - RF433 SENDER

Press and hold the Prog. Key for **9s** untill the indicator to **flash alternately between Red and Green** and release to enter RF sender removing window (the light would flash **twice** and stay on).



Hold on Prog. key over **9s**
Indicator: **Red & Green** alternating flashing

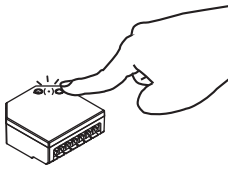


Light flash **Twice** and stay on

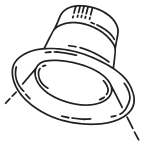
***Please also press RF Sender once to confirm whether the pairing has been cleared.**

I. FULL FACTORY RESET

Press and hold the Prog. Key for **15s** until the indicator flashes **Yellow-green** to complete a full factory reset (the light would flash **5 times** and stay on).



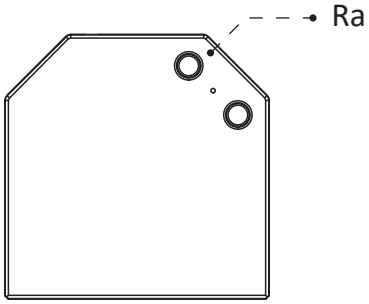
Hold on Prog. key over **15s**
Indicator: **Yellow-green** flashing



Light flash **5 times** and stay on

***Note: this will clear all RF sender and APP pairings on this controller!**

J. MINIMUM BRIGHTNESS SETTING



Ra key is used to set the minimum dimming level of the dimmer receiver to avoid flickers and light being completed turned off in use to improve the compatibility.

Once the minimum dimming level is set, the dimmer receiver would not dim below the set level.

How to use Ra Key:
You may choose the minimum dimming level at any time through press the Ra Key if required.

Single press the **Ra Key** to set the dimming level.

10 minimum dimming levels are provided on the dimmer receivers. Press the Ra Key once to increase 1 level, until to the 10th level and it will return back to 1st level and so on.

Set the minimum dimming level
Once you reached the minimum dimming level, leave the dimmer receiver as it. It shall automatically remembers the set level to operate, i.e. it will not dim the load or light below this level, even using App with a clear brightness percentage, the dimmer receiver would keep the set level as the lowest level to operate.