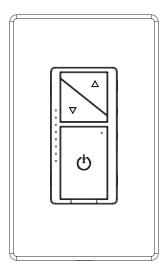
Installation Instructions

Works with DIMMABLE LED ,CFL, Incandescent and halogen bulbs



Model No.	DNA042DU2-W-600-P
Rated Voltage	120V~
Rated Frequency	60Hz
Rated Wattage	600W
Load Range	Incandescent:15W-600W
Loau hange	LED/CFL:3W-200W
Dimming method	Phase-cut
Working	Temperature: 0°C - 40°C
Environment	Humidity: 10% R.H 90% R.H
Model Size	105 mm×44 mm×31mm (L×W×H)

WARNINGS AND CAUTIONS

- Risk of fire and electrical shock, the dimmer should be installed in accordance with appropriate electrical codes and regulations.
- 2. This product should be use together with an upstream air-switch.
- 3. Turn power off at circuit breaker or fuse and test that power is off before installing.
- After install the dimmer, it is recommended to set the minimum brightness level to make bulbs turn on immediately.
- If you are unsure about any part of these instructions, consult a licensed electrician.
- To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance or a transformer-supplied appliance.
- Use with compatible dimmable LED, CFL bulbs, Incandescent or halogen bulbs only.
- When multiple bulbs are used with one dimmer DO NOT mix bulb types. All bulbs shall be either LED, CFL or incandescent. Using the same model of each bulb will enhance dimmer performance.

RF EXPOSURE STATEMENT

 This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

FCC Information

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

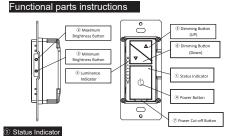
Note1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Note2: Any changes or modifications to this unit not expressly approved by the manufacture could void the user's authority to operate the equipment.

FCC CAUTION

 Any changes or modifications to this unit not expressly approved by the manufacture could void the user's authority to operate the equipment.



- Indicator lights red: OFF status.
- Indicator lights green: ON status.
- Green light flashing: enter distribution network mode.
- Short press: Within 0.5s.
- Long press: Over 0.5s.

Continuous short press: Each interval of short press should within 0.3s.

② Maximum Brightness Button

 Setting the maximum brightness: There are six maximum brightness levels, short press the button of maximum brightness once can change a maximum brightness level.

③ Minimum Brightness Button

 Setting the minimum brightness: There are six minimum brightness levels, short press the button of minimum brightness once can change a minimum brightness level.

④ Power Button

- Turn on: Short press once when in OFF.
- Turn off: Short press once when in ON.
- distribution network mode: when the light is on, press the on key for 5 times continuously. After the status indicator flashes (once in 2 seconds), the mobile phone can connect the dimmer. After the distribution network is successful, (if not connected, exit the distribution network mode after 3 minutes).

Note:

- When enter into distribution network mode, turn on the wifi and Bluetooth of the mobile phone at the same time, so that the distribution network mode can be configured quickly.
- In case of wi-fi disconnection, under the condition of normal wireless Internet access of the mobile phone, turn on the bluetooth of the mobile phone, and after 5min, the mobile phone APP can control the dimmer.
- Short press the power button six times to set the ideal minimum brightness when in ON status.
- Short press the power button eight times to set the ideal maximum brightness when in ON status
- Continuous short press ten times and the status indicator flash three times to
 restore the factory default settings when in the maximum brightness status.

⑤Dimming Button (UP)

- Short press the dimming button once can increase a level of brightness when in ON status.
- Long press the dimming button can continuous to increase the brightness until release or reach the maximum brightness.
- Continuous short press two times when in ON/OFF status to turn quickly to the maximum brightness.

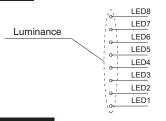
⑥ Dimming Button (Down)

- Short press the dimming button once can decrease a level of brightness when in ON status.
- Long press the dimming button can continuous to decrease the brightness until release or reach the minimum brightness.
- Continuous short press two times when in ON/OFF to the minimum brightness.

Power Cut -off Button

- Put in the power cut-off button to connect the power.
- Put out the power cut-off button to cut off the power.

⑧ Luminance Indicator



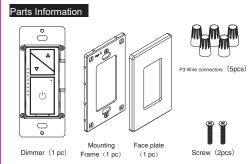
Luminance Indicator Table

Item	Luminance Level	Luminance Indicator
1	Luminance Level 1-5	LED 1 normally on
2	Luminance Level 6-10	LED 1~LED 2 normally on
3	Luminance Level 11-15	LED 1~LED 3 normally on
4	Luminance Level 16-20	LED 1~LED 4 normally on
5	Luminance Level 21-25	LED 1~LED 5 normally on
6	Luminance Level 26-30	LED 1~LED 6 normally on
7	Luminance Level 31-35	LED 1~LED 7 normally on
8	Luminance Level 36-40	LED 1~LED 8 normally on
	41	

Switch Operation

Turn on: Switch on when the light is off.

Turn off: Switch on when the light is on.



Tools need to install the dimmer

Ø 5mm Philips Screwdriver	Test Pencil
Electrical Tape	Plier
Cutter	Ruler

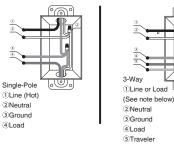
Installation

Step 1 WARNING: To avoid fire and electrical shock, TURN PFF POWER at circuit breaker or fuse and test that power is off before wiring.

Step 2 Remove the screws installed on the existing panel and switch, carefully pull out the switch from the wall box, identify and remove the power cord attached to the switch, and the switch, do not remove the power cord detached from the switch. (This step is not required for new configuration installation.)

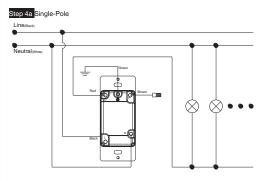
Step 3 Identify the power cord type

Note: If the power cord in the wall box is different from the following layouts, please consult an electrician.



IMPORTANT: For 3-Way applications,note that one of the screw terminals from the old switch being removed will usually be a different (Black)or labeled Common (Line or Load)in both the dimmer wall box and 3-way wall box.





This wire is used in 3-way installations only. For single pole installations, twist with wire nut

Veutra

Black

Whit

Gree

· Connect the green power cord with the ground power cord of wall box, tighten

. Connect the black power cord with the line power cord of the wall box,tighten

Connect the white line on the dimmer with the zero line, tighten with P3 wire

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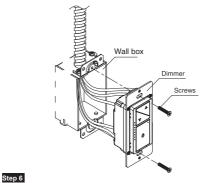
- Connect the white power cord with the neutral power cord of the wall box, tighten with P3 wire nut.
 - Connect the brown power cord with the traveler power cord of the wall box,tighten with P3 wire nut

Steop 5 Installing dimmer

with P3 wire nut.

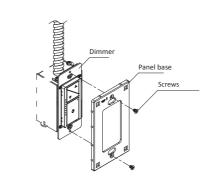
 Carefully position all wires inside the wall-box, leaving enough space to insert the dimmer and tighten with the matched screws.

• Connect the red power cord with the load power cord of the wall box ,tighten

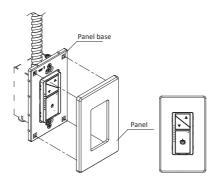


 Step 6a
 Separated plate

 Installing the panel base on the dimmer and tighten with the matched screws.

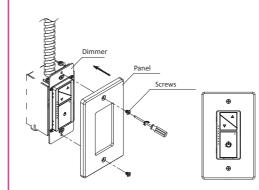


 Put the panel and panel base together, press gently to make sure it is be installed firmly.





Place the panel on the installed dimmer and fix it firmly with the matching mounting screws.



Using instruction

Short press: within 0.5 second

Long press: more than 0.5 second Continuous short press:The interval between two short presses is less than

0.3 second

Function instructio

Table 1 Single -Pole Function table

	Dimmer	APP	
Dimmer Operation Way	Operation	Operation	
Continuous short press			
power button 5 times	×	×	
Short press the power	-1	V	
button once	v	v	
NOT	×	\checkmark	
Short or long press the	al	~	
power button (UP/DOWN)	v	v	
Continuous short press the			
		\checkmark	
dimining Batton (Or) twice			
Continuous short press the			
dimming Button (DOWN)		\checkmark	
twice			
Short press maximum			
brightness button	N	\checkmark	
Continuous short press the	•		
power button eight times			
Short press minimum			
brightness button	N	~	
Continuous short press the	•		
power button six times			
Continuous short press the	Å	×	
power button ten times	*		
NOT	×	~	
NOT	×	\checkmark	
	power button 5 times Short press the power button once NOT Short or long press the power button (UP/DOWN) Continuous short press the dimming Button (UP) twice Continuous short press the dimming Button (DOWN) twice Short press maximum brightness button Continuous short press the power button eight times Short press minimum brightness button Continuous short press the power button six times Continuous short press the power button ten times NOT	Dimmer Operation Way Operation Continuous short press × Short press the power √ NOT × Short or long press the power button (UP/DOWN) √ Continuous short press the dimming Button (UP) twice √ Continuous short press the dimming Button (UP) twice √ Continuous short press the dimming Button (UPN) √ Continuous short press the power button √ Continuous short press the power button eight times √ Short press maximum brightness button √ Continuous short press the power button eight times √ Continuous short press the power button six times √ Continuous short press the power button six times √ NOT ×	

Table2 3-way Function table

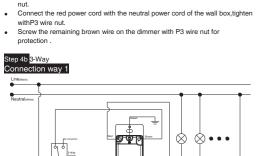
Function	Dimmer Operation Way	Dimmer Operation	Power-off Operation	APP Operation
	Continuous short	Operation	Operation	operation
Distribution network mode	press power button5 times	×	×	×
ON/OFF	Short press the power button once	V	V	\checkmark
Time switch on/off	NOT	×	×	\checkmark
Dimming	Short or long press the power button (UP/DOWN)	V	×	\checkmark
Quickly turn to the maximum brightest	Continuous short press the dimming Button (UP) twice	V	×	\checkmark
Quickly turn to the minimum brightest	Continuous short press the dimming Button (DOWN) twice	\checkmark	×	V
Setting the maximum brightness	Short press maximum brightness button Continuous short press the power button eight times	V	×	V
Setting the minimum brightness	Short press minimum brightness button Continuous short press the power button six times	V	×	V
Restore factory Settings	Continuous short press the power button ten times	V	×	×
Shared device	-	×	×	
group control	-	×	×	~

Priority

On line operation can stop the mobile App operation; when on line operating, App can't operate.

Troubleshooting

Problems	Possible Cause	Solution	
	Lamp has a bad connection.	Reconnect and fix the wires.	
	One dimmer been	Change bulbs to same	
	connected to multiple types bulbs, incur	type.	
	interference and cause		
Links flinkssing	flicker.		
Lights flickering		Put the power cut-off button out and cut off	
	Abnormal	the power, then put the power	
	Abhoimaí	cut-off button in and	
		connect the power on	
		again.	
LED and CFL flickers at low end of dimming range.	Load compatibility is not good.	Turn up lamp minimum brightness properly.	
Lamps can't	Circuit breaker has tripped.	Turn power on	
Lamps cam	Fuse burn out	Change fuse	
be turn on	Lamp burned out	Change lamp	
	Lamp neutral connection	Reconnect the lamp	
	is not wired	neutral	
		Pull out the power	
Lights out of control		cut-off switch and	
or unable to	abnormal	disconnect the power	
connect to the		supply; Insert the power	
network		cut-off switch and turn	
		on the power again;	

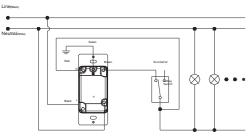


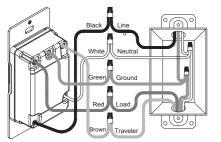
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with P3 wire nut.

with P3 wire nut.





- Connect the green power cord with the ground power cord of wall box,tighten
 with P3 wire nut.
- Connect the black power cord with the line power cord of the wall box, tighten with P3 wire nut.

Mobile App operation

- Step 1 Download the Doodle Smart App
- Arrange to download the Doodle Smart App by scanning the QR code below



 Either head to the App Store or major Android App markets to search for "Doodle Intelligence" to download an App, anyway.

Step 2 Create a Doodle Smart App account and log in

• Invest in something to open the Doodle Smart App, click Register, sign up for an account and log in.



Step 3 Add a dimmer

- Click on the top right , Add Device;
- Click Lighting and then click Lightwore to enter the device connection interface.



- Step 4 Connect the mobile phone
- According to the network mode, when the phone is on, you
 press the on key five times or hold down the key for a long
 time, and the status indicator blinks blue to connect the phone
 to a dimmer (if it is not connected, you log out of the network
 mode three minutes later).

Note:

- Buy a way to access the Internet, by switching on your phone's Wi-Fi and Bluetooth at the same time.
- Smartphone APP controls the dimmer 5 minutes later, when the phone's bluetooth is switched on during a Wi-Fi disconnect.

Step 4a Rapid distribution network

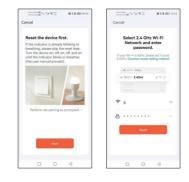
• Put your phone's Wi-Fi and Bluetooth on at the same time to automatically scan for internet-enabled devices.

Click	Add	wait for	connect.

Add Deck Exact State Sta		Carlor and	10 ×	& BD 1343		Contracted and the Road	
Add Hanakhy Marked Series Name Name<	Search	ing for nearby devic			Four		ed 0
Annu Annu Image Image Image		ering devices.		Add		DNA042 DI	MMER
And Control And Control And Control Marce Marce Marce Marce		Add Mar	nually				
Normalization Normalization Normalization Market Market Market	Electrical		Socket				
Incluin Incluin Incluin Incluin International Call Call Call	Lighting	11	12	¥.			
Legge A. Constant South	Sensors	Plug (DLE+Wi-Fi)	Socket 046-F0	Socket (Zigbeel			
Hone A. Power Sets Kitchen + VV + VV Applances + VV	Large Home A	* Socket	n Sochet	n Sodet			
Applances Carlo Carlo			Power Strip				
	Kitchen Appliances						

Step 4b Normal distribution network

- To confirm that the App control indicator LED1 is blinking, click Next.
- Buy a ticket to enter your home Wi-Fi password, click Next and wait for the connection.



Step 5 Use the mobile phone App to control the dimmer



Click to Power control the light on and off function of the dimmer;





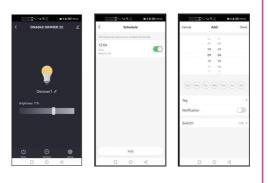
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- clicking the setting ,enter the interface for setting the dimmer's brightness range.
- Set the minimum brightness and maximum brightness of the lamp controlled by the dimmer and save.

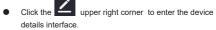




- clicking the Schedule set the dimmer to switch the light on and off at a certain time;
- Virtual gateway Adds a timing and saves it.



 Dimmer can be shared between multiple people once connected, meaning one dimmer can be controlled by multiple apps.



• Queue to enter the Device sharing interface by clicking Share Device.



Buy a shared account by clicking Add Sharing.



Supports Amazon Alexa and Google Home voice controls

- For Amazon Alexa
- ☆ Alexa,turn off <device name>
- ☆ Alexa,set <device name> to percent
- ☆ Alexa,brighten/increase <device name>
- ☆ Alexa,dim/decrease <device name>
- For Google Home
- Hey Google,turn on <device name>
- ☆ Hey Google,turn off <device name>
- Hey Google, is <device name> on/off?
- Hev Google.brighten/increase <device name>
- ☆ Hey Google,Dim/Brighten <device name> by 50%

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