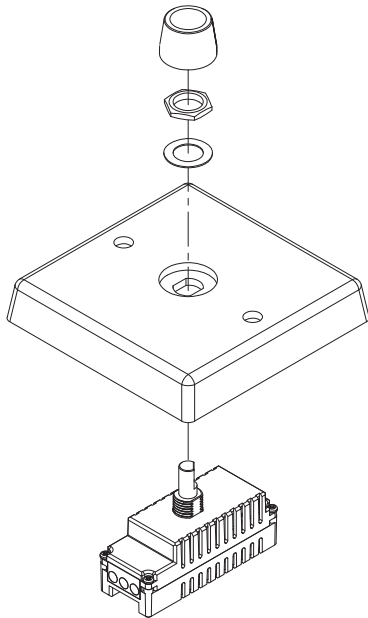


Installation Instructions for LED Dimmer Switch

Works with DIMMABLE LED,CFL,
Incandescent and halogen bulbs

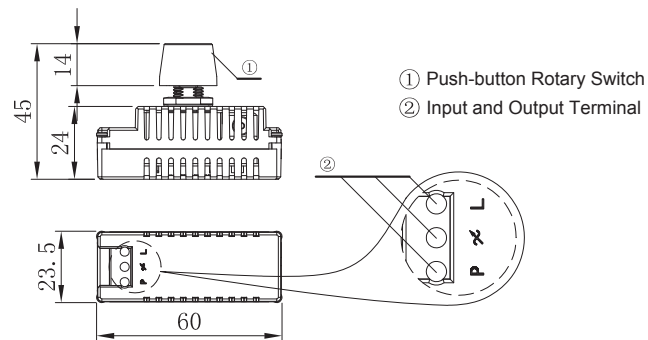


Model No.	T-DUK021M-300
Rated Voltage	220V-240V,50Hz
Rated Wattage	LED:200W INCAN.:300W
Load Range	LED:3W-200W INCAN.:15W-300W
Dimming Mode	According to load type, it can automatically detect and change leading and trailing edge control mode, it can also be set by user manually.
Compatible Loads	1.Dimmable LED lamp 2.Dimmable LED lamp with electronic transformer 3.Incandescent or medium voltage halogen lamp 4.Low voltage halogen lamp with electronic transformer
Working Temperature	-10 C ~40 C
Operation Humidity	10% R.H.-90% R.H.
Installation Wallplate	86mm wallplate

1 ⚠️ WARNINGS AND CAUTIONS

- 1.1 Risk of fire and electrical shock, products should be installed in accordance with appropriate electrical codes and regulations.
- 1.2 This dimmer should be protected by a 6A or up to a 10A maximum miniature circuit breaker
- 1.3 Turn power off at circuit breaker or fuse and test that power is off before installing.
- 1.4 After installed the dimmer, it is recommended to set the minimum brightness level to make bulbs turn on immediately.
- 1.5 If you are unsure about any part of these instructions, consult an electrician.
- 1.6 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.
- 1.7 Use with compatible dimmable LED, CFL bulbs, Incandescent or halogen fixtures only.
- 1.8 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.
- 1.9 Operating at higher temperatures or voltages may cause thermal protection circuit to work. If this happens, decrease the connection load to prevent re-occurrence.

2 Functional parts instructions



2.1 Push-button Rotary Switch①

- 2.1.1 Press the push-button rotary switch① of the dimmer, turn power on or off.
- 2.1.2 Turn clockwise the push-button rotary switch① to increase brightness, turn counter-clockwise to decrease brightness.
- 2.1.3 Press push-button Rotary Switch③ twice(each interval within 1s) to turn on the light at maximum brightness level;
- 2.1.4 When light is on, press the push-button rotary switch③ 6 times (each interval within 1s): set the minimum brightness level, when the light flashes 3 times, indicates setting is done.
- 2.1.5 When light is on, press the push-button rotary switch③ 9 times (each interval within 1s): cancel the minimum brightness level setting,when the light flashes 5 times, indicates setting is done.
- 2.1.6 When light is on,press the push-button rotary switch③ 4 times (each interval within 1s): change leading and trailing edge dimming mode.

2.2 Input and Output Terminal②

- 2.2.1 L: Input terminal of the dimmer(connect to "L" hot line)
- 2.2.2 X: Output terminal of the dimmer(connect to load,namely lamp)
- 2.2.3 P:Signal input terminal of the dimmer(connect to door bell switch or touch switch)

3 Installation and testing

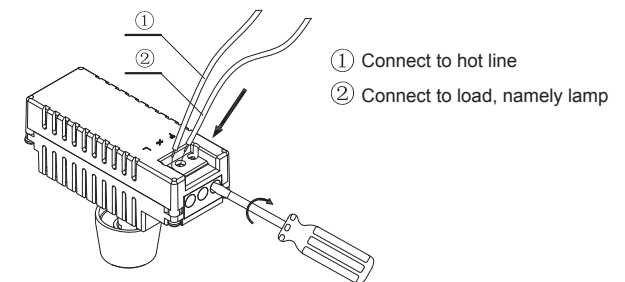
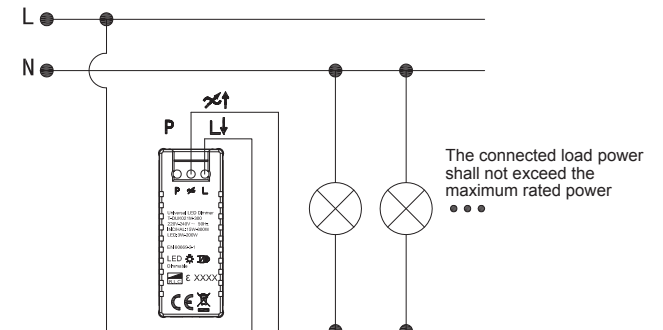
3.1 Tools needed to install your Dimmer

Φ3mm Slotted Screwdriver	Φ5mm Philips Screwdriver
Test Pencil	Cutters
Electrical Tape	Pliers
Ruler	

3.2 Removing existing switch: Remove existing wall plate and switch mounting screws. Carefully pull switch from wall box, identify and take out the wires attached to the switch, then remove the switch. DO NOT remove wires which are taken out from the switch at this time.(If new configuration is without this step.

3.3 Choose 3.4 or 3.5 one of the connection methods to install your dimmer per your requirement. *The wire core cross-sectional area of the terminals is 0.75mm²-1.5mm², stripping length is 8mm.

3.4 1-Way Wiring Application

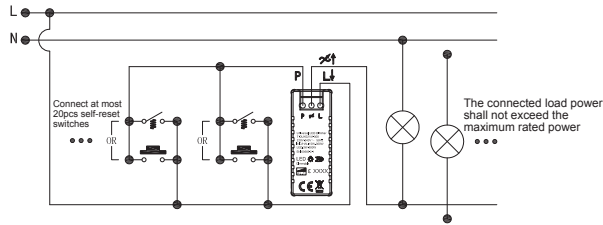


NOTE:

Two or more dimmers must not be connected in parallel or series to control the same load from two different locations.

3.5 Multi-way control Wiring Application

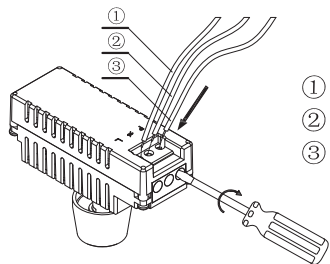
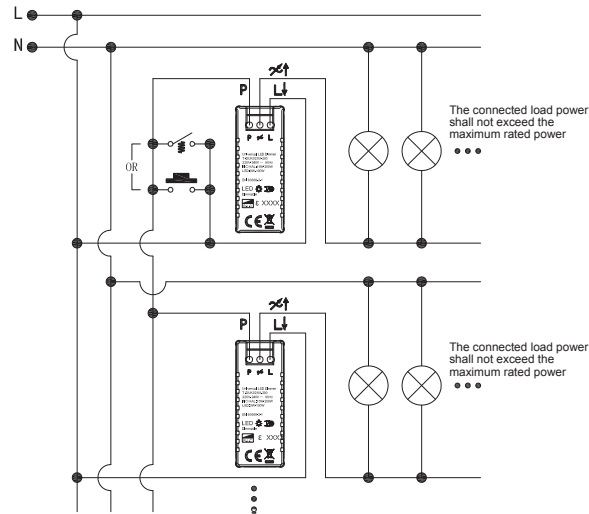
3.5.1 Multiple self-reset switches control the dimmer wiring diagram



NOTE:

- Dimmer must always be connected to the side with electricity of the load to ensure normal work.
- Multi-way push button switch can control up to 20pcs of dimmer for UP/DOWN dim and ON/OFF at the same time.
- Two or more dimmers must not be connected in parallel or series to control the same load from two different locations.

3.5.2 One self-reset switch controls multi-way dimmers wiring diagram



- ① Connect to hot line
- ② Connect to load, namely lamp
- ③ Connect to self-reset switch

NOTE:

One push button switch can control up to 20pcs of dimmer for UP/DOWN dim and ON/OFF at the same time.

3.5.3 self-reset switch operation

- 3.5.3.1 Short press self-reset switch, turn light on or off.
- 3.5.3.2 Long press self-reset switch can adjust light brightness, after release then long press again can change light brightness direction.
- 3.5.3.3 Press self-reset switch twice (each interval within 1s) to turn on the light at maximum brightness level;
- 3.5.3.4 When light is on, press self-reset switch 6 times (each interval within 1s): set the minimum brightness level, when the light flashes 3 times, indicates setting is done.
- 3.5.3.5 When light is on, press self-reset switch 9 times (each interval within 1s): cancel the minimum brightness level setting, when the light flashes 5 times, indicates setting is done.
- 3.5.3.6 When light is on, press self-reset switch 4 times (each interval within 1s): change leading and trailing edge dimming mode.

3.6 Testing

NOTE:

- When connected to a load with a mutual inductance transformer, only the leading edge control mode can be used and the trailing edge control mode cannot be used.
- Multiple compatible loads can be used as long as the total power of the lamp does not exceed the maximum load rating of the dimmer.
- Some fixtures may be unstable during cold conditions. After waiting for a while, if the lamp continues to be unstable, you need to manually change the dimmer leading or trailing edge control mode.

3.6.1 Set the minimum brightness level:

When the light is on, turn the push-button rotary switch ③ to the minimum brightness required; press the push-button rotary switch ③ 6 times (each interval within 1s): set the minimum brightness level, when the light flashes 3 times, indicates setting is done.

3.6.2 Reset the minimum brightness level:

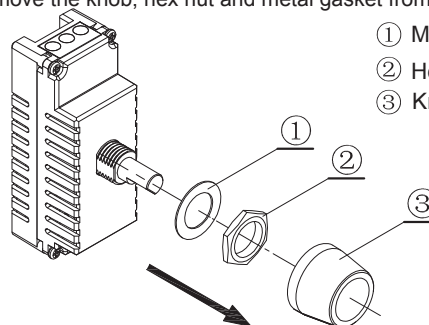
When the light is on, press the push-button rotary switch ③ 9 times (each interval within 1s) to clear the minimum brightness, the lights flash 3 times, press the push-button rotary switch ③ 6 times (each interval within 1s): set the minimum brightness level, when the light flashes 3 times, indicates setting is done.

3.6.3 Set the leading or trailing edge control mode (factory default trailing edge control mode):

press the push-button rotary switch ③ 4 times (each interval within 1s): change leading and trailing edge dimming mode.

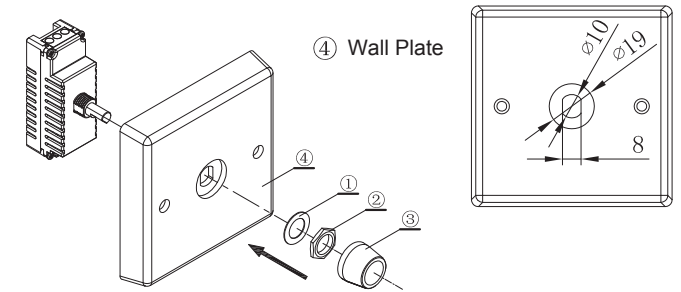
3.7 Installation method

3.7.1 Remove the knob, hex nut and metal gasket from the dimmer.

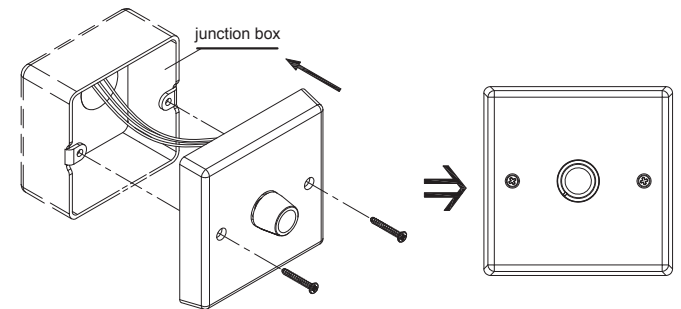


- ① Metal Gasket
- ② Hex Nut
- ③ Knob

3.7.2 Fix the dimmer on the Wall Plate, then fix the metal gasket and hex nut orderly on the Wall Plate, install the knob finally, gently push it to ensure flush fit.



3.7.3 Carefully position all wires inside the junction box, leaving enough room to insert the dimmer housing. Put the dimmer into the junction box and fix it using screws.



4 Troubleshooting

Problem	Possible Cause	Solution
Lights flickering	Lamp has a bad connection	Reconnect and fix the wires
	One dimmer connect to multiple types bulb, incur interference and cause flicker	Change bulbs to same type
LED and CFL flickers at low end of dimming range	Load compatibility is not good	Turn up lamp minimum brightness properly
Light does not turn on	Circuit breaker has tripped	Turn power on
	Fuse burn out	Change fuse
	Lamp burned out	Change lamp
	Lamp neutral connection is not wired	Reconnect the lamp neutral