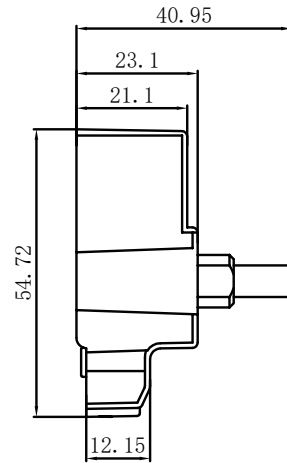
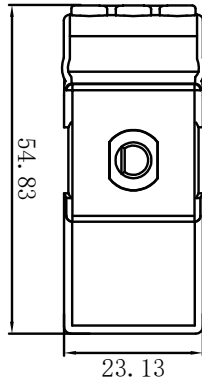
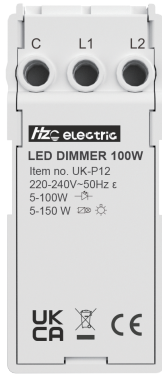


User Guide

LED Dimmer 100W
Item NO.: UK-P12

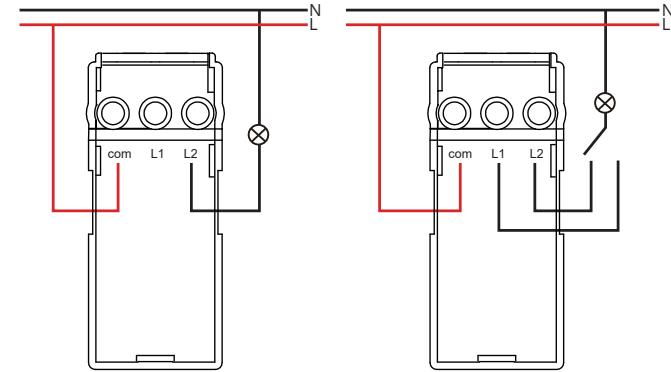


- ① Min. brightness adjustable
- ② Soft start protection
- ③ No neutral required
- ④ OT & OL protection

1. Technical Data

| | |
|-----------------------|---|
| Model No. | UK-P12 |
| Description | LED Dimmer 100W |
| Input Voltage | 220-240V |
| Input frequency | 50Hz |
| Load | LED 5-100W Incandescent 5-150W Halogen 5-150W |
| Dimming mode | Trailing Edge & Leading Edge |
| Control Way | Two way |
| Material | Heatsink Aluminum Bottom Case PC |
| Color | White |
| Weight(g) | 28.4 |
| Operating temperature | -20 C ~ +40 C |
| Dimension(mm) | 54.83*40.95*23.13mm |

2. Dimmer wiring diagram



• 1 Way Circuits

In 1-way lighting circuits each lamp is controlled by one dimmer switch.

Follow the wiring in Figure 1.

COM live supply, L1 load 1, L2 load 2

• 2 Way Circuits

When controlling the load from two positions, it is only possible to have one dimmer switch. The other needs to be a two-way switch. 2-way lighting circuits have two switches turning the same lamps on and off from two different locations(e.g. at the top and bottom of the stairs), Follow the wiring in Figure 2.COM live supply, L1 load 1, L2 load 2

3. Features

| | |
|--|---|
| Turn on/off | 1. Press the knob switch to turn on the dimmer 2. Press the knob switch to turn off the dimmer |
| Once installation is complete, switch on the mains supply. When switching on the dimmer for the first time you might need to set up the min. brightness and max. brightness, dimming mode. | |
| Minimum fine-tuning brightness setting | 1. When the dimmer is turned off, turn the potentiometer clockwise to the maximum and then turn it on. Then turn the potentiometer counterclockwise to the minimum and turn it off for 1 second before turning it on again. Turn the potentiometer clockwise to the maximum and then turn it off for 1 second before turning it on again. The load light will flash on and off twice and enter the low end setting mode. 2. After adjusting the minimum brightness value within 60 seconds, turn off and then turn on the device. The load light will flash once and save the current settings. The settings before automatic recovery were not saved due to timeout. 3. The low-end restriction range is set at 0% -50%. |
| Factory default brightness | The default minimum brightness at the factory is 10% (0.8ms), which can be changed through low-end settings. After adjustment, the minimum value can be restored by resetting the factory settings |
| Restore factory settings | 1. Turn on the dimmer, set the light to the minimum and press the switch button 6 times continuously (OFF-ON-OFF-ON-OFF-ON) to clear the low-end limit and restore it to the factory settings. The load light will automatically turn on/off 2 times (OFF-ON-OFF-ON). 2. The default low-end limit in the factory state is 10%. |

| | |
|--------------------------------|---|
| Trailing/Leading Edge Settings | <ol style="list-style-type: none">1. When the dimmer is turned off, turn the potentiometer counterclockwise to the minimum and then turn it on. Then turn the potentiometer clockwise to the maximum and turn it off for 1 second before turning it on again. Turn the potentiometer counterclockwise to the minimum and then turn it off for 1 second before turning it on again. At this time, enter the front/back switch setting mode, and the load light will flash on and off 4 times.2. If the potentiometer is set to the minimum and the machine is turned off and then turned on again within 60 seconds of entering the setting mode, it will be set to the back switch mode, and the load light will flash once. If the potentiometer is set to maximum and then turned off and turned on again, it will be set to the forward switch mode, and the load light will flash 3 times.3. If the setting is not completed within 60 seconds, it will timeout and exit the setting mode to restore the previous settings. The initial default is the back cut mode. |
|--------------------------------|---|

4. WARNING

- a. Installation must be carried by a qualified electrician.
- b. Before installation, please check whether it conforms to local electric standards
- c. Power supply must be turned off when install and clean the dimmer.
Wipe the surface dust or dirt with soft cloth or tissue, do not use the detergent or other corrosive chemical solution.
- d. Please place and protect the cover properly when it's in installation to avoid the damage.
- e. There is no strong impact, vibration, electromagnetic field interference, corrosion, or dusty gas around the usage environment
- f. The product should avoid frost, condensation, water seepage, rain, etc.