

KIWI

electronics

Complete range of NZ Made

Multi Way UNIVERSAL Dimmer
www.kiwielectronics.co.nz

(UW Series)

Recommended for...

- LED Lamps (TE or LE)
- LED Drivers (TE or LE)
- LED TRIAC Drivers (LE)
- Electronic Transformers (TE)
- All models **BOOST** voltage when started, assisting the LED driver to start.
- K004UW selects TE/LE automatically.

440, 500, 750, 1000VA Models.

1, 2, 3, 4, 5... WAY Dimming! With one unit you can Soft Start or Stop, Turn Off or On, Dim up and down from as many locations as you like.

Set the minimum so the LED lights dim lowest possible and remain stable, even all the way to zero if that is desired.

Give your LED circuit the amount of BOOST on start they require, so all the lights come on and then stay at a the dimmed setting you have setup for the user. Shortening the start up time as the LED power supply charges up.

Turn the maximum output down to where the LED lights will go to, so they're not so bright.

The knob available to the user will work between the settings you have set for them working across the entire range.

Future proofing the installation. If in the future LEDs need to be changed or added, you or the next electrician will have all these tools available to setup the dimming.

CONVERSION KITS

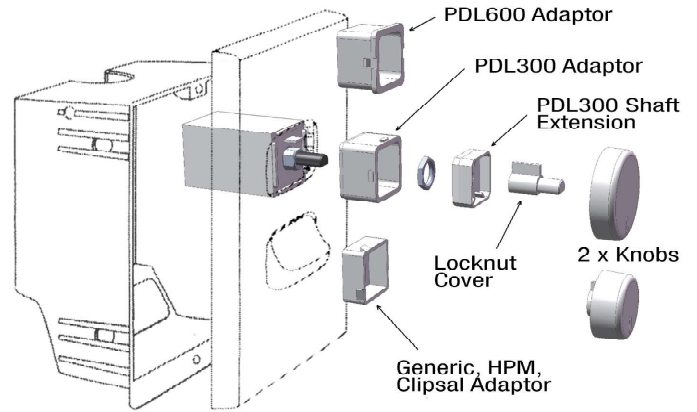
Model **KBC** **KWC**
Black White

Convert any KIWI to BLACK or replace the original white plastics.

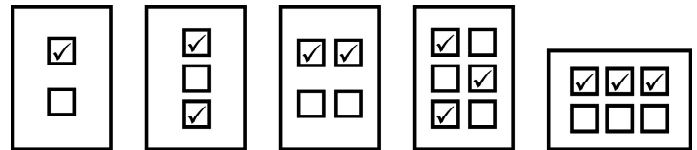
- FITS ALL PLATES



Parts Assembly



Mounting



Recommended mountings for multiple units.

Product Specifications

- Input voltage 240volt
- Output voltage 0% to 97% of input
- Frequency 50/60hz
- Peak current K004UW - 440VA - 4A
K005UW - 500VA - 4A
K007UW - 750VA - 6A
K010UW - 1000VA - 8A
- Load rating Inductive (LE)
Capacitive (TE)
Trailing Edge - Leading Edge



- Switching type Trailing Edge or Leading Edge (Selectable)
Automatic on model K004UW
- Max per flush box 3 x K004UW, 3 x K005UW
2 x K007UW
1 x K010UW

Note: Ensure mounting method promotes air flow.

- Ambient temp 25°C
- Thermal Fuse 16amp/141°C max
- Knob Rotation 270° with memory
- Approval AS/NZS 60669.2.1

Note: Specifications may change without notice.

Fits ALL Plates



Designed,
Manufactured for you since 1994.
Based in Mount Maunganui, NZ.

Installation

Adaptors

PDL Plates:

- **600series**, fit the adaptor into the flush plate. Then fit the KIWI to the adaptor with locknut.
- **300series (Iconic)**, fit the adaptor to the KIWI with the locknut. Then fit the unit into the flush plate.
- For **600 and 300**, fit the locknut cover labeled "no stop" side up.
- **300 only**, fit the shaft extension to the shaft.

Generic, HPM and Clipsal Plates:

- Fit the adaptor to the KIWI with locknut.
- Fit the locknut cover, "no stop" side up.
- Click the unit into the flush plate.

Flush Plate

- Fit the face plate cover (if required).
- Slide the knob onto the shaft.

Electrical

- Connect one red to live and one red to load.
- Connect the yellow wire to a press mech (if used) and connect the press mech to live.
- Press the Dimmer knob or short press the momentary switch (if used) to turn ON or OFF.
- Hold the press mech (if used) to ramp up/down.
- **CHECK PEAK current is NOT exceeded.**

Extra Settings

Important:

- When adjusting these settings, always use the screwdriver supplied.

Minimum: Turn the minimum trimmer clockwise to raise the minimum light level. The minimum level cannot be adjusted above the maximum. Set the light so it does not turn off completely when turning down, only when pressing the press mech or rotary knob off.

BOOST will be added to the start when turning minimum UP. Turn up minimum until lights are stable and operate, start as desired.

Maximum: Turn the maximum trimmer anti-clockwise lowering the maximum the knob can be turned UP to. (Not available on model K004UW)

Mode Switch Setting (BOTH TE and LE)

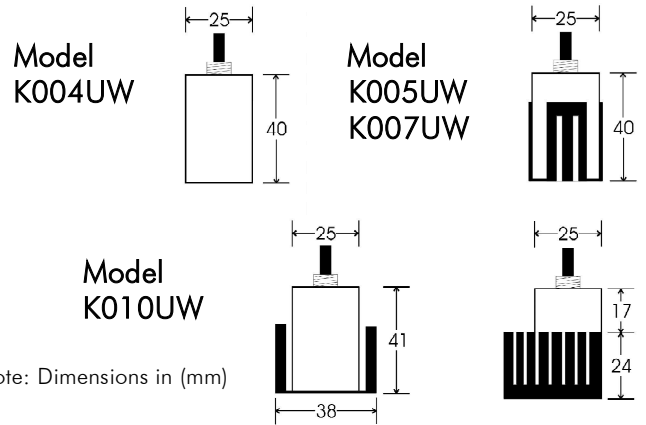
To change from Trailing Edge (TE) to Leading Edge (LE), rotate mode switch Anti Clockwise for LE and Clockwise for TE.

Model K004UW selects Trailing or Leading Edge modes automatically.



ALL KIWI Products have a lifetime return to base warranty against ANY and ALL manufacturing faults.

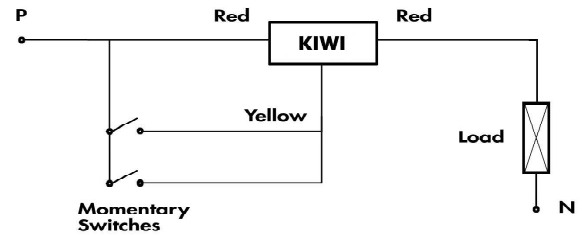
Dimensions



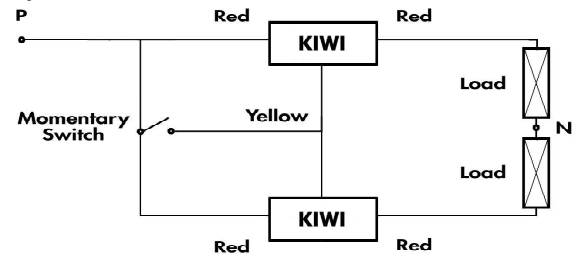
Note: Dimensions in (mm)

Wiring Diagrams

Multiple Control Points, One Load - up to 1000VA



Multiple Loads, One Control Point - Unlimited VA



AC3 Press or Push Button Dimming

- AC3 Inductive Rated or
- LED versions available
- 500VA to unlimited



UNIVERSAL Dimmers

- ALL LEDs
- Electronic Transformers
- 440VA to 1000VA



Full AC3 Control

- Heaters
- W/W Transformers
- 500VA to 3000VA



FAN Controllers

- Axial, Exhaust
- All Fans
- 350VA to 3000VA



DC Variable Control

- EC Fans
- High Bays
- LED Lighting



**If it's dimmable,
We Can Dim it!**



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