

Multi Way UNIVERSAL Dimmer



Designed, Manufactured, offered to you since 1994 Mt. Maunganui based

KIWI MultiWay Universal Dimmer recommended for press mech, push button dimming of...

- * LED Drivers
- * Mains rated LEDs
- * Compact Fluorescent
- * Electronic Transformers



Solutions for You...

- * *MultiWay Dimming* **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.
- * *ALL Loads* Made to control **ALL** your lighting up to 500va, in either **Leading** or **Trailing Edge**.
- * *Easy Installation* **No rewiring required**; simply replace the existing Intermediate switches with a KIWI MultiWay and a momentary switch.
- * *Fits ALL Plates* Clicks straight into PDL, HPM and Clipsal flush plates with supplied adaptors.
- * *FULL means FULL* Brighter lights, greater heater output and increased efficiency achieved by active power factor sensing. 240volts in and up to 237volts out, 99% efficient.
- * *Extended Lamp Life* **Pre-Heat** and **Soft Start** reduces the start current and eliminates thermal shock.
- * *Personalised Control* All Dimmers have **minimum** and **maximum** trimmers; you can set the output range for the user.
- * *Thermal Safety PLUS* Temperature compensation built in and backed by a Thermal Fuse for **guaranteed safety**.
- * *New Zealand* Owned, designed, manufactured and technically supported in Mount Maunganui.

UW Series available in models...

| MODEL | K005UW | K007UW | K010UW |
|-----------|--------|--------|--------|
| Va Rating | 500va | 750va | 1000va |

This range is also available in standard configuration.



Black Conversion Kits available model KBC.

Installation

Step 1 - adaptors

PDL:

- **600series** fit the adaptor into the flush plate. Then fit the KIWI to the adaptor with locknut.
- **Iconic** fit the adaptor to the KIWI with locknut. Then fit the unit into the flush plate.
- For **600 and Iconic** fit the locknut cover "stop" side up.
- **Iconic only** fit the shaft extension to the shaft.

HPM and Clipsal:

- Fit the adaptor to the KIWI with locknut.
- Fit the locknut cover, "stop" side up.
- Click the unit into the flush plate.

Step 2 - plate

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

Step 3 - 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.
- Multiple press mechs can be used in parallel.

When off:

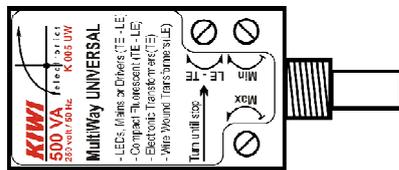
- Rotating the knob turns the unit on from low.
- Press & hold the press mech to turn on from low.
- **Check the current does NOT exceed the PEAK.**

The knob will rotate 360° and with continuous mains supply will retain memory of where it was last set.

Extra Settings.

Important:

- When adjusting these settings, always use the screwdriver supplied.
- Note, the default settings are illustrated below.



Minimum: Turn the minimum trimmer clockwise to raise the minimum light level the knob can be turned down to.

Note: 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.

Maximum: Turn the maximum trimmer anti-clockwise to lower the maximum light level the knob can be turned to.

Mode Switch Setting (BOTH LE and TE)

To change from Trailing Edge (TE) to Leading Edge (LE), rotate mode changing switch Anti Clockwise until it meets the stopper for LE and Clockwise for TE.

Warnings

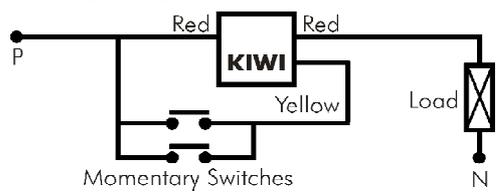
- ALWAYS ensure there is adequate ventilation (ie. air movement across the heatsink).
- Output from this unit will decrease if the thermal protection level is exceeded. In this event, increase ventilation.
- This unit is fitted with a thermal fuse. Exceeding a continuous current of 16amps or failing to supply adequate ventilation it will permanently open circuit.
- Do not exceed the specified Volt Amp (va) Rating.
- The KIWI MultiWay UNIVERSAL Dimmer has been designed to be connected in series with the load. Do not connect between phase and neutral.

Product Specifications

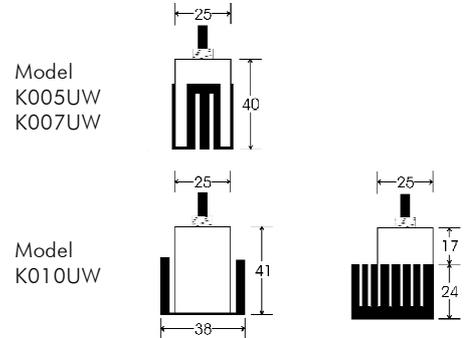
- Input voltage 250volt
- Output voltage 0% to 98% of input
- Frequency 50/60hz
- Peak current K005UW - 4A
K007UW - 6A
K010UW - 8A
- Load rating Resistive (LE)
Inductive (LE)
Electronic Transformers (TE)
- Switching type Trailing Edge (factory Default) or Leading Edge (Selectable)
- Max per flush box 3 x K005UW, 2 x K007UW
1 x K010UW
(Ensure mounting method promotes air flow.)
- Ambient temp 25°C
- Thermal Fuse 16amp/110°C max
- Thermal Protection Activated above 70°C

- Knob Rotation 360° no memory of last setting if isolated
 - EMC/RFI approval AS/NZS 4051
 - Designed to AS3100
- Note: Specifications may change without notice.

Wiring Diagram



Dimensions



Note: Dimensions in millimetres (mm).

Parts Assembly

