

**HEAVY
DUTY****Lighting
Controller**

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

KIWI Lighting Controller recommended for...

- * Wire Wound Transformers
- * 250volt Incandescent Lighting
- * 250volt Down/Up Lights
- * 250volt Halogen Lighting
- * Heater Elements
- * General Purpose Applications



Solutions to You...

- * **Flush Box Mountable** Up to 3000va controlled from the Flush Plate. Models ranging from 500va to 3000va.
- * **Extended Lamp Life** Pre-Heat and Soft Start reduces the start current and eliminates thermal shock.
- * **FULL means FULL** Brighter lights, greater output and increased efficiency achieved by active power factor sensing. 240volts in and up to 237volts out, 99% efficient.
- * **Personalised Control** All Controllers have **minimum** and **maximum** trimmers; you can set the output range for the user.
- * **Toughest loads** Rated for ALL Inductive and Resistive circuits.
- * **Thermal Safety PLUS** Temperature compensation built in and backed by a Thermal Fuse for guaranteed safety.
- * **Fits ALL Plates** Clicks straight into PDL, HPM and Clipsal flush plates with supplied adaptors.
- * **New Zealand** Owned, designed, manufactured and technically supported in Mount Maunganui.

L Series available in models...

MODEL	K005L	K007L	K010L	K020L	K030L
Va Rating	500	750	1000	2000	3000

Also available in MultiWay (push button) 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

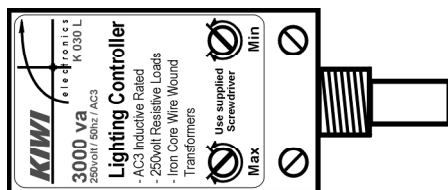
- Connection is by way of the two red wires.
- Connect one to live and the other to load.
- Turn on at the isolator.

The KIWI will Soft Start to where the rotary knob has been set. The knob has a turning angle of 270 degrees and retains memory of where it was last set.

Minimum & Maximum Settings.

Important:

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



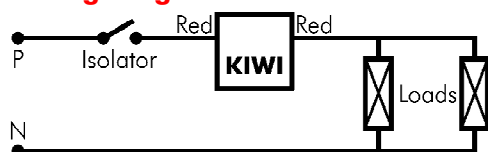
Minimum

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 setting.

Maximum

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

Wiring Diagram



Connect multiple loads in parallel.

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 Lighting Controller has been designed to be connected in series with the load. Do not connect between phase and neutral.

Manufactured in NZ by: **KIWI Electronic Design Ltd**

Freephone: 0800 820 821

Email: contact@kiwielelectronics.co.nz

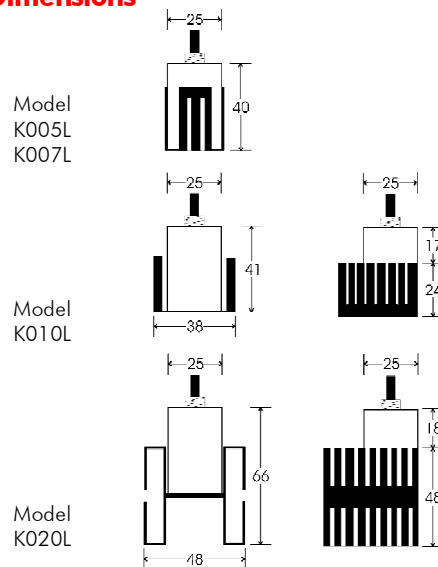
Web: www.kiwielelectronics.co.nz

Product Specifications

- Input voltage 250volt
- Output voltage 0% to 98% of input
- Frequency 50/60hz
- Load rating AC3 Inductive & Resistive
- Switching type Leading Edge
- Max per flush box 3 x K005L or K007L, 2 x K010L
1 x K020L, 1 x K030L
(Ensure mounting method promotes air flow.)
- Ambient temp 25°C
- Thermal Fuse 16amp/110°C max
- Thermal Protection Activated above 70°C
- Knob Rotation 270° with memory
- EMC/RFI approval AS/NZS 4051
- Designed to AS3100

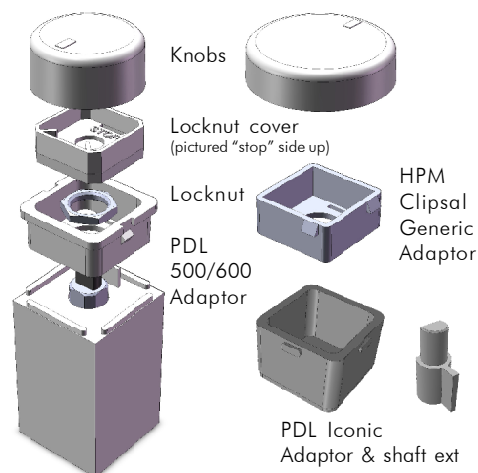
Note: Specifications may change without notice.

Dimensions

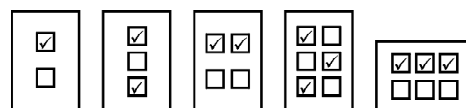


Note: Dimensions in millimetres (mm).

Parts Assembly



Mounting



Recommended mountings for multiple units.