

Lighting Controller

(Series L)



Recommended for...

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

Solutions...

- * **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**.
- * **Easy Installation** **Clicks straight into** PDL, HPM and Clipsal flush plates with supplied adaptors.
- * **New Zealand** Designed, Manufactured and Technically supported.

Available models...

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

Note: This range is also available in MultiWay (2way) configuration.

Installation

Step 1 - adaptors

PDL:

- Click the adaptor (slot down) into flush plate.
- Fit the KIWI to the adaptor with locknut.
- Fit the locknut cover, "stop" side up.

HPM and Clipsal:

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

Step 2 - plate

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

Step 3 - electrical

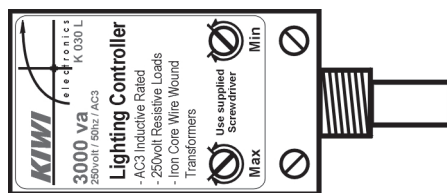
- Connection is by way of the two red wires.
- Connect one to live and the other to load.
- Turn on at the isolator.

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

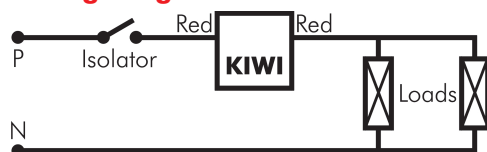
Turn the minimum trimmer clockwise to raise the minimum light level the knob can be turned to.

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

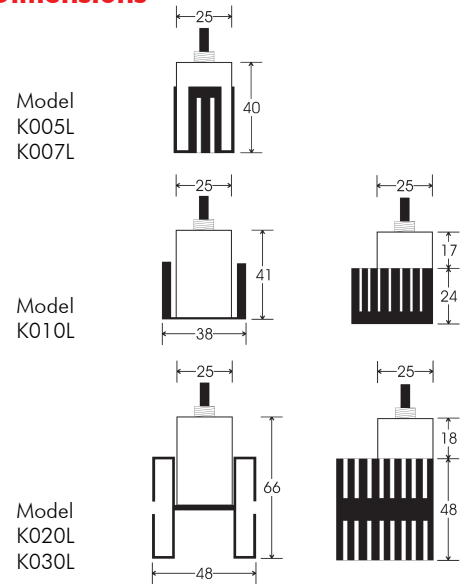
- ALWAYS ensure there is adequate ventilation. (ie. air movement across the heatsink.)
- Output from this unit will decrease if the thermal protection level is exceeded. In this event, increase ventilation.
- This unit is fitted with a thermal fuse. Exceeding a continuous current of 16amps or failing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

Product Specifications

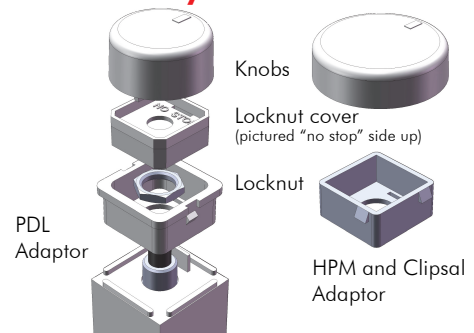
- Input voltage 250volt
- Output voltage 0% to 98% of input
- Frequency 50hz
- Peak current 312amp - K005L, K007L, K010L, K020L, K030L
- Load rating AC3 Inductive
AC1 Resistive
- Switching type Leading Edge
- Max per flush box 3 x K005L or K007L, 2 x K010L
1 x K020L, 1 x K030L
(Ensure mounting method 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



Parts Assembly



Mounting



Recommended mountings for multiple units.

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