

# Trailing Edge Dimmer

(Series T)



## Recommended for...

- \* ALL Electronic Transformers on Halogen or LED lamps.

## Solutions...

- \* **Made for the Job!** With active power factor sensing and switching on the trailing edge, these dimmers can dim **ALL electronic transformers.**
- \* **FULL means FULL** Brighter lights and increased efficiency achieved by active power factor sensing. 240volts in and up to 237volts out, 99% efficient.
- \* **Extended Lamp Life** **Soft Start** function = No thermal shock.
- \* **Personalised Control** With 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.**
- \* **Largest Loads** **Up to 1000va** can be controlled from the Flush Plate.
- \* **Easy Installation** **Clicks straight into** PDL, HPM and Clipsal flush plates with adaptors supplied.
- \* **New Zealand** Designed, Manufactured and Technically supported.

## Available models...

MODEL	K005T	K007T	K010T	KBC
Va Rating	500	750	1000	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**

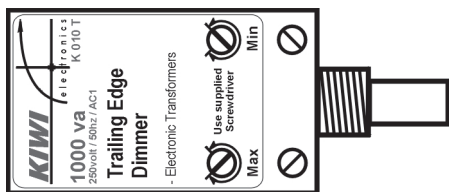
- Connection is by way of the two red wires.
- Connect one to live and the other to load.
- Turn on at the isolator.

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 and Maximum Settings**

**Important:**

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



**Minimum**

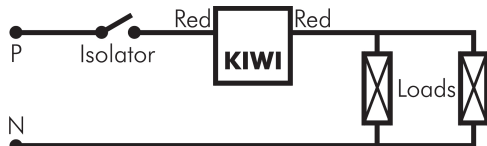
Turn the minimum trimmer clockwise to raise the minimum light level the knob can be turned to.

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**

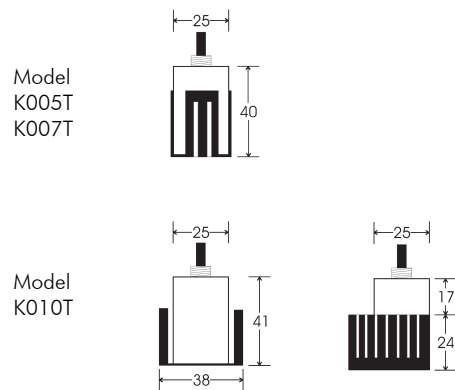
- ALWAYS ensure there is adequate ventilation. (ie. air movement across the heatsink.)
- Output from this unit will decrease if the thermal protection level is exceeded. In this event, increase ventilation.
- This unit is fitted with a thermal fuse. Exceeding a continuous current of 16amps or failing to supply adequate ventilation it will permanently open circuit.
- Do not exceed the specified Va Rating.
- The KIWI Trailing Edge 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 50hz
  - Peak current 60amp - K005T  
120amp - K007T, K010T
  - Load rating AC1 Resistive/Capacitive
  - Switching type Trailing Edge
  - Max per flush box 3 x K005T, 3 x K007T  
1 x K010T
- (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

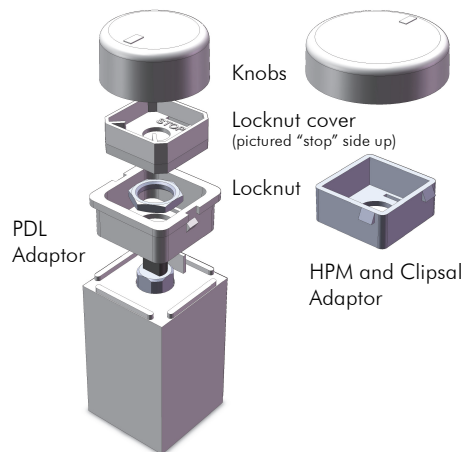
Note: Specifications may change without notice.

**Dimensions**



Note: Dimensions in millimetres (mm).

**Parts Assembly**



**Mounting**



Recommended mountings for multiple units.