



Trailing Edge Dimmer

Cat 700T & 1000T Series

LOAD COMPATIBILITY CHART

Incandescent	✓
240V Linear Halogen	✓
Low Voltage Halogen with Electronic Transformer	✓
Low Voltage Halogen with Wirewound (Iron Core) Transformer	✗
GU10 240V Halogen Downlights (See note)	✗
Fluorescent	✗
Fan Motor	✗

NOTE:

1. GU10 240V Halogen Downlights can damage the dimmer when they fail. HPM Cat 700L or 1000L dimmers are recommended for these lamps.
2. Electronic and Wirewound (Iron Core) Transformers should not be mixed on the same dimmer circuit.

SPECIFICATIONS (at 25°C)

Supply voltage: 230-240V a.c. 50Hz
 Minimum load: 10W
 Maximum load: See table below



Load Type	Cat No.	
	700T	1000T
Incandescent	700W	1000W
240V Linear Halogen	700W	1000W
Low Voltage Halogen with Electronic Transformer	700W	1000W

FEATURES

- **Soft Start**
Lamp turns on gradually to increase lamp life.
- **Over-temperature Protection**
If the dimmer gets too hot (due to overloading or insufficient de-rating), the lamp brightness is automatically reduced. After the dimmer cools down, normal operation is resumed. Be sure to correct the cause of the high temperature!
- Immune to flickering due to ripple signal injection on mains supply (as used for off-peak hot water switching).
- Compatible with HPM's Standard, Excel range of switch plates and accessories.

WIRING INSTRUCTIONS

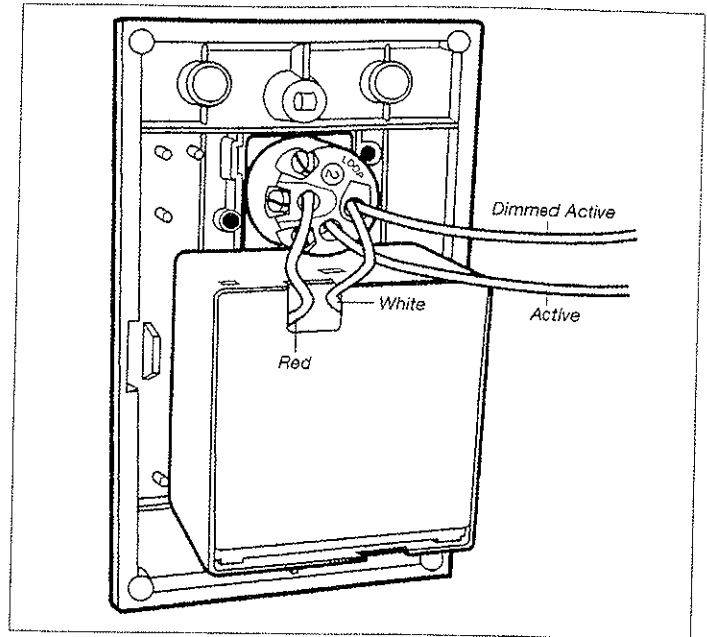


Fig 1. View from back of plate

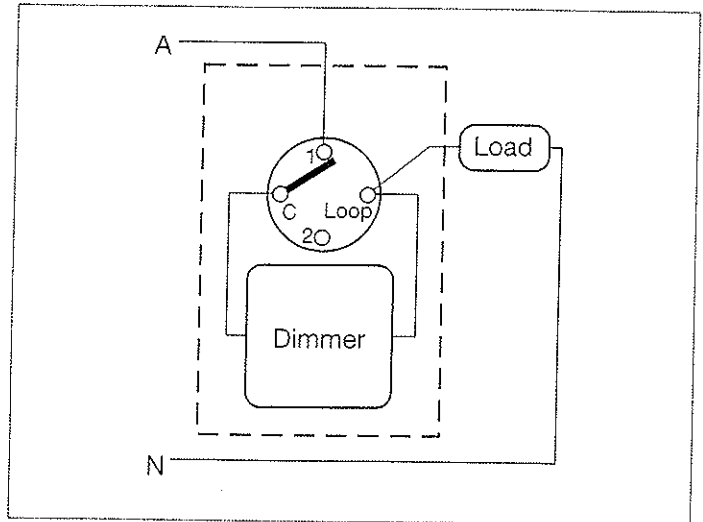


Fig 2. One-way wiring diagram

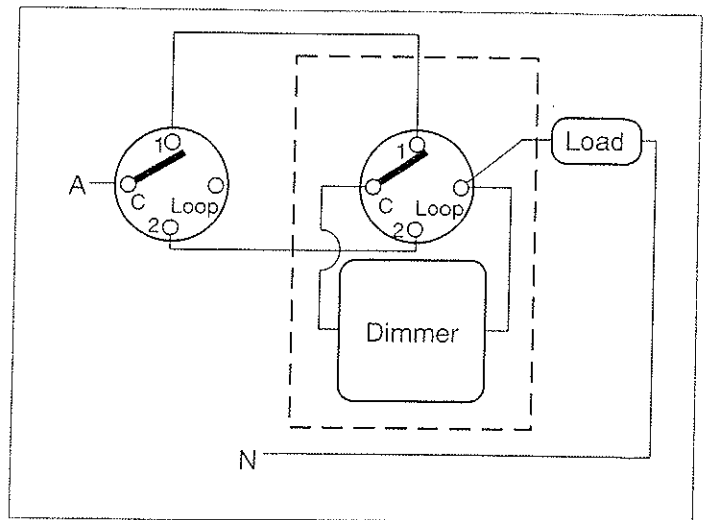


Fig 3. Two-way wiring diagram

IMPORTANT NOTE

- When used in ambient temperatures greater than 25°C, the dimmer must be de-rated according to Fig 4.

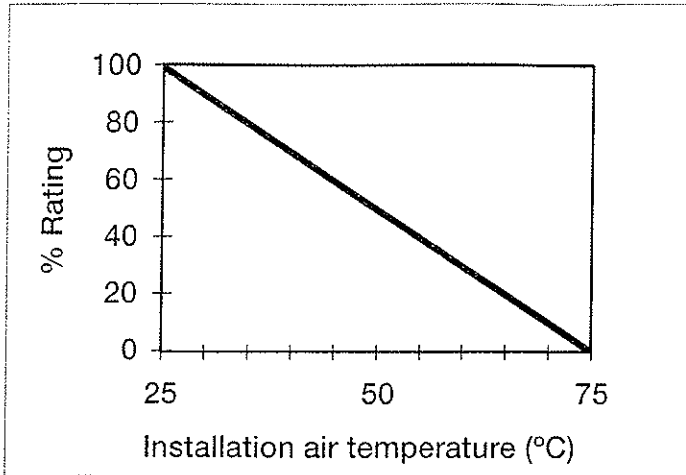


Fig 4. De-rating for high ambient temperatures

SETTING MINIMUM BRIGHTNESS

- The minimum brightness can be set before the knob is put into place.
- When the unit is wired and mounted as required, switch on the power.
- Turn the potentiometer carefully by hand until the desired minimum brightness is obtained.
- Insert the knob so that the "tongue" on the knob lines up with the slot on the dimmer (see Fig 5).
- Once inserted, the knob cannot be turned any further anticlockwise.

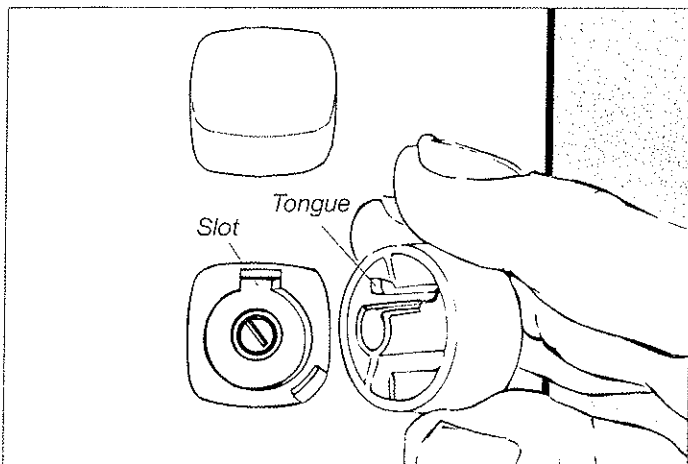


Fig 5. Setting minimum brightness.

SWITCHES, POWERPOINTS AND OTHER FIXED WIRED PRODUCTS MUST BE INSTALLED BY AN ELECTRICAL CONTRACTOR OR SIMILARLY QUALIFIED PERSON

Warranty

HPM Cat 700T and 1000T series are warranted as here and after appears, against faulty material and/or workmanship for a period of one year from date of purchase.

The obligation of the manufacturer, under this warranty, is limited to servicing and replacing defective parts when the unit is returned to HPM Industries, or the distributors in your state, freight pre-paid.

This warranty becomes void on any unit which has been tampered with or damaged by accident, short circuited, loaded beyond rating or damaged otherwise by improper operation.

This warranty is also conditional on the unit being installed by a licensed electrical contractor.

All other warranties, whether expressed or implied, and whether arising by operation of law or otherwise are hereby excluded.

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