



CREATE • INSPIRE • INNOVATE

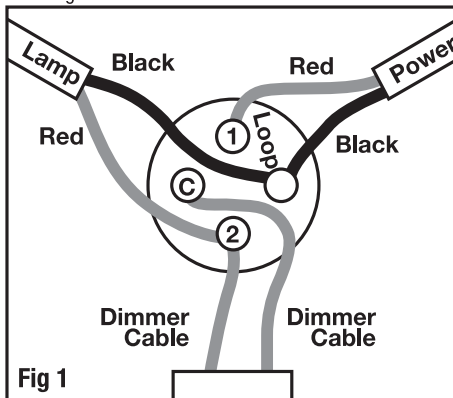
MERCATOR DIMMER MECHANISM AND DIMMER WALL PLATE

INSTALLATION & OPERATING INSTRUCTIONS

Electrical fittings must be installed by a licensed electrician or other persons authorised by legislation to work on fixed wiring of an electrical installation.

INSTALLING THE LIGHT DIMMER

1. Turn the power off at the switchboard.
2. Disconnect and remove the existing switch.
3. Enlarge existing hole if necessary to accommodate the Light Dimmer mechanism.
4. Connect the wires to the Light Dimmer as illustrated in Fig 1.



5. Fix the Light Dimmer mounting plate into position using the screws provided.

For dimmer wallplate, follow the wiring diagram as illustrated in Fig 1 and mount plate into position.

NOTES FOR THE INSTALLER

1. Do not use a "megger" to test the circuit in which the light dimmer is connected.
2. This dimmer is not suitable for use with ceiling exhaust or sweep fans.
3. We do not recommend that this light dimmer be used in light fittings where the incandescent globes are in an upright position. If the globe fails in an upright position, as in some chandeliers and candelabra, the filament can fall into the cap and short circuit the lamp contacts - destroying the light dimmer.
4. The light dimmer is not suitable for use with fluorescent lights.

5. This dimmer is not suitable for use with LED lights that are non-dimmable.

DIMMER SETTINGS

A dial is provided on the dimmer enclosure (refer Fig 2) for adjusting and setting minimum end of the dimming range.

Check whether there is any flickering happening near Minimum end of dimming range.

If flickering occurs at minimum end and light cannot dim appropriately, please refer steps mentioned under 'Minimum Setting'.



Fig 2

MINIMUM SETTING

1. Using a small cross screw driver, turn the left dial to adjust the minimum brightness.
2. Turn the left dial clockwise to increase the minimum brightness and anticlockwise to decrease the minimum brightness.
3. Release the left dial after making the desired settings.

The maximum end of brightness is automatically adjusted by the dimmer.

RADIO SUPPRESSION

This Light Dimmer is designed to limit radio interference and is EMC compliant however it is not advisable to install the Light Dimmer in close proximity to sensitive audio equipment.

Note: It is normal for any dimmer to produce small amounts of audible noise or buzzing. The noise may vary according to the dimmer setting.

COMPATIBILITY GUIDE				
LOAD SYMBOL	COMPATIBLE LOADS	LEADING EDGE DIMMERS	TRAILING EDGE DIMMERS	MERCATOR DIMMERS
	Incandescent lighting, Halogen 240V lamps	Y	Y	Y
	LED lighting suitable for dimming	N	Y	Y

Table 1



CREATE • INSPIRE • INNOVATE

TROUBLESHOOTING GUIDE

Mercator dimmer Mechanism and Dimmer wall plate

INSTALLATION & OPERATING

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Dimmer hot	Incorrect load type, most possibly excessive load.	Check wiring and load. Refer to specifications.
Lights go off	a. Blown light globes b. Lighting Circuit protection operated.	Replace light globes. Check fuse or circuit breaker and lighting circuit for overloading.
Dimmer not operating	Incorrect wiring.	Check circuit and connect dimmer according to the wiring diagram shown in Fig 1.
Flickering or interference on circuit or surrounding circuits	Unit subjected to over voltage spikes.	Refer section "Dimmer Settings" to adjust the minimum end of dimming range.

Table 2

SPECIFICATIONS

Supply voltage: 220-240 Volts a.c.

Frequency: 50Hz

Maximum load: 150W (LED) & 200W (Incandescent)

Minimum load: 5W (LED) & 10W (Incandescent)

Control: Universal type electronic control

Safety and EMC compliant to AS/NZS 60669.2.1

Note: One or more light units may be controlled by the dimmer, provided they do not exceed specified maximum load limits. Overloading should be avoided.

Dims most brands of low voltage halogen lighting supplied by electronic transformers and LED lighting where these are specified as suitable for use with trailing edge dimmers.

Protection: Thermal overload compensation.

LOAD TYPE/SUITABILITY		MAX LOAD	COMMENTS
Incandescent globes	Y	200W	
240 Volt halogen lighting	Y	200W	
LED globes and fittings	Y	150W	Check LED globe or driver is suitable for use with trailing edge dimmers.
Resistive loads	Y	200W	
Low voltage halogen lighting supplied by wire wound transformers.	N		
Products using ballast or inductors of any type	N		Includes fluorescent lighting.
Motor speed control	N		

Table 3

Mercator Warranty*

Mercator guarantees this product against defects of materials and workmanship for a period of 12 months from the date of purchase provided the product is used for its proper purpose, in accordance with Mercator's recommendations and within such voltage and current limits as are specified by Mercator in relation to the product. Mercator will at its own option and cost make good, or replace this product with the same or similar product and return it to you, or provide a credit for any product manufactured or supplied by it, which proves to be defective within the limits set out above provided that no repairs, alterations or modifications to the product have been undertaken or attempted by anyone, other than Mercator or its authorized agents. Should you wish to make a claim under this guarantee, the product and proof of purchase must be returned pre-paid by you to the place of purchase.

This guarantee is in addition to and does not take away from any other rights and remedies you may have under any relevant law.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Please retain your proof of purchase for all warranty claims.



CREATE • INSPIRE • INNOVATE

For all Sales & Warranty enquiries

Mercator (ACN 005 946 958)

Building 3, 31-41 Joseph Street, Blackburn North, Victoria, 3130

P.O. Box 1065, Blackburn North LPO Blackburn North, 3130

For sales and product information telephone

Customer Service: 1300 552 255