

PERFECT FOR DIMMABLE LED NOW WITH MULTI-WAY DIMMING

Installers Manual
DIMPBDV2 Push Button, Digital Dimmer, Trailing Edge

1. FEATURES

- DIMPBDV2 Push Button Digital Dimmer and ON/OFF switch in one - perfect for dimmable LED
- Multi-Way Dimming and ON/OFF using MEPBMWV2 Push Button Multi-Way Remote
- Wider range - Deep Dimming to Zero on most lamps
- Rugged - Over Current, Over Voltage and Over Temperature protection
- Illuminated LED – **configurable Blue or Amber**
- Restarts OFF and retains settings after power loss
- Trailing Edge dimming with linear response
- Programmable minimum brightness
- Suits Trader wall plates – buttons included
- **NOT SUITABLE FOR FANS AND MOTORS**

2. OPERATING CONDITIONS

- Operating Voltage: 230-240Va.c. 50Hz
- Operating Temperature: 0 to +50 °C
- Compliance Standard: AS/NZS 60669.2.1, CISPR15
- Maximum Load: 250W
- Minimum Load: 2W
- Maximum Current Capacity: 1.5A

Note: Operation at temperature, voltage or load outside of the specifications may cause permanent damage to the unit.

3. LOAD COMPATIBILITY

LOAD TYPE	LOAD SYMBOL	MAXIMUM LOAD
Dimmable LED Lamps [1]		250W
Incandescent / 240V Halogen / Dichroic Lamps		250W
Low Voltage Halogen / Dichroic Lighting with Electronic Transformers [1]		250W
Dimmable Compact Fluorescent Lamps [1]		250W
Motors / Fans	M	Not Compatible
Non-Dimmable Fluorescent / Compact Fluorescent Lamps		Not Compatible

[1] Refer to lamp manufacturer's guidelines.

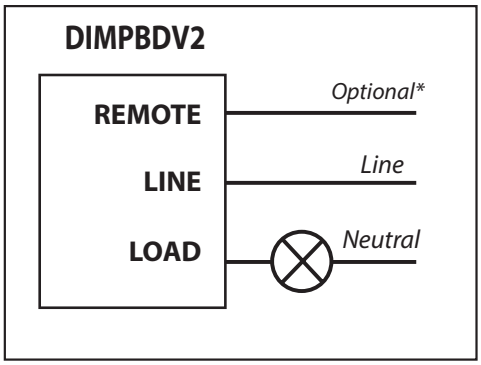
4. INSTALLATION INSTRUCTIONS

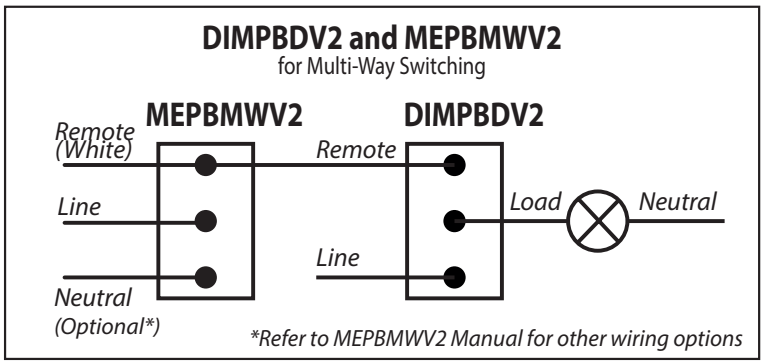
WARNING: The DIMPBDV2 is to be installed as part of a fixed wire electrical installation. By law such installations must be made by an electrical contractor or similarly qualified person.

- No more than one dimmer can be connected to the same lamp.
- For Multi-Way dimming and ON/OFF use the MEPBMWV2 Push Button.

4.1 WIRING

- Disconnect power at the circuit breaker before any electrical work.
- Install the DIMPBDV2 as per the wiring diagram in figure below.





- The Dimmer (DIMPBDV2) must be connected directly to the load,
- Only one DIMPBDV2 or MEPBEV2 can be installed into a multiway switched circuit
- No more than 20x MEPBMWV2 can be connected into the same switched circuit.
- Clip the button on to the DIMPBDV2. Ensure that the button is oriented so that the LED light pipe is aligned with the hole in the button, before attaching it to the wall plate.
- Reconnect power at the circuit breaker and affix Solid State Device Warning Sticker at switchboard.

NOTE: The DIMPBDV2 is designed for indoor use. It is not rated for outdoor installation.

DERATING

- In high ambient temperatures, the maximum load rating is reduced according to table 1.
- If multiple dimmers are in a wall plate, the maximum load rating is reduced according to table 2.

AMBIENT TEMPERATURE	MAXIMUM LOAD
25°C	100%
50°C	75%

TABLE 1

NUMBER OF DIMMERS	MAXIMUM LOAD PER DIMMER
1	100%
2	75%
3	55%
4	40%
5	35%
6	30%

TABLE 2

5. OPERATING INSTRUCTIONS

5.1 ON / OFF SWITCH

- A quick tap of the button will turn the lights ON or OFF. Lamps will turn ON at last used brightness level.

5.2 DIMMING

- Press and hold the button to increase or decrease the lamp's brightness. Release the button to stop.

5.3 SETTING MINIMUM BRIGHTNESS:

- Some lamps do not work well at low brightness settings and will fail to start or may flicker.
- Adjusting the minimum brightness to a higher setting will ensure the lamps start and help eliminate flickering.
- Set the dimmer to the required minimum brightness
- Press the button 5 times in 5sec. The LED indicator will flash 4 times. The unit has now locked in a new Minimum brightness.

5.4 RESET THE MINIMUM BRIGHTNESS

- To reset the minimum brightness back to factory follow these steps.
- With the lights ON, press the button 10 times in 10sec.
- The LED indicator will flash 4 times.
- The unit has now been reset.

5.5 LED INDICATOR

- The LED indicator can be set to be either Amber (factory) or Blue.
- To change the colour of the LED indicator, with the lights ON
- Press and hold the button down for 10seconds until it changes colour
- Release the switch
- The unit has now changed indicator colour.
- Repeat process to change colour again.

6. IMPORTANT SAFETY WARNINGS

6.1 LOAD REPLACEMENT

- It should be assumed that even when OFF, mains voltage will still be present at the lamp fitting.
- Mains power should be disconnected at the circuit breaker before replacing any lamps.

6.2 LOW READING DURING INSULATION BREAKDOWN TEST

- The DIMPBDV2 IS A SOLID-STATE DEVICE AND THEREFORE LOW READING MAY BE OBSERVED WHEN CONDUCTING INSULATION BREAKDOWN TESTING ON THE CIRCUIT.

6.3 CLEANING

- Clean only with a damp cloth. Do not use abrasives or chemicals.

6.4 DO NOT MEGA TEST THESE UNIT

- When completing insulation resistance testing these units should be removed from the circuit as high voltages may cause failures.

7. TROUBLESHOOTING

7.1 DIMMER AND LIGHTS DO NOT TURN ON

- Ensure that the circuit has power by checking the circuit breaker.
- Ensure the lamp(s) is not damaged or broken.

7.2 LIGHTS DON'T TURN ON OR LIGHTS TURN OFF BY THEMSELVES

- Over temperature, Over voltage or Overload protection operated.
- Ensure the dimmer is not overloaded or operating in high ambient temperature.
- Check the lamp(s) is suitable for dimming.

7.3 LIGHTS FAIL TO TURN OFF COMPLETELY

- Some LED lamps may glow or flicker when the dimmer is OFF. A Load Correction device or a Capacitor may be needed to remove this.

7.4 LIGHTS FLICKER OR CHANGE IN BRIGHTNESS FOR SHORT PERIODS

- This is due to fluctuations in the power supply and is normal. If too severe, try another type of lamp.

7.5 LIGHTS STAY ON AT FULL BRIGHTNESS OR FLICKER CONTINUOUSLY

- The lamp(s) may not be suitable for dimming. Refer to the lamp manufacturer information.

7.6 LIGHTS TURN OFF WHEN A CEILING/ EXHAUST FAN IS TURNED ON OR OFF

- The dimmer is turning the lamps OFF to prevent damage from electrical transients.
- Fit a capacitive filter to suppress transients.

8. WARRANTY AND DISCLAIMER

Trader, GSM Electrical (Australia) Pty Ltd warrants the product against manufacturing and material defect from the date of invoice to the initial purchaser for a period of 24 months. During the warranty period Trader, GSM Electrical (Australia) Pty Ltd will replace products that prove to be defective where the product has been correctly installed and maintained and operated within the specifications defined in the product data sheet and where the product is not subject to mechanical damage or chemical attack. The warranty is also conditional on the unit being installed by a licensed electrical contractor. No other warranty is expressed or implied. Trader, GSM Electrical (Australia) Pty Ltd shall not be liable for any direct, indirect, incidental or consequential damages.