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TRADER MEPBMW Multi Way Remote Dimming Push Button

TRADER MEPBMW Multi Way Remote Dimming Push Button Installation Guide

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TRADER MEPBMW Multi Way Remote Dimming Push Button

Product Specifications

Compatible with: MEPBE Electronic Switch, DIMPBD Digital Dimmer

Product Usage Instructions

Operating Conditions:
The MEPBMW Remote Button enables Multi-Way dimming and ON/OFF with the DIMPBD Digital Dimmer. It can also be used with a MEPBE switch for Multi-Way ON/OFF.

Load Compatibility:
The MEPBMW will operate without neutral connection but the LED indicator will not function. Multiple MEPBMW can be connected in parallel to a single dimmer or a single 3-wire electronic switch, provided the total length of the remote connection does not exceed 50 meters.

Installation Instructions:
WARNING: The MEPBMW Multi-Way Remote Button 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.

Wiring Instructions:
Refer to the provided wiring diagrams for connecting the MEPBMW Remote Button with the DIMPBD Dimmer or MEPBE Switches based on whether neutral is present or not.

FAQ

- **Can the LED indicator be configured to be permanently ON?**

  Yes, by connecting Neutral to the MEPBMW, the LED indicator can be set to be permanently ON.

- **Can multiple MEPBMW Remote Buttons be connected in parallel?**

  Yes, multiple MEPBMW can be connected in parallel to a single dimmer or a single 3-wire electronic switch, provided the total length of the remote connection does not exceed 50 metres.

INTRODUCTION

- The Switching MEPBMW Remote Button enables Multi-Way dimming and ON/OFF with the DIMPBD Digital Dimmer. It can also be used with MEPBE switch for Multi-Way ON/OFF.
- An inbuilt LED indicator can be configured two ways by connecting Neutral to the MEPBMW:

1. The LED indicator can be permanently "ON" switching.
2. Or "ON" while the button is pressed.

- The MEPBMW will operate without neutral connection but the LED indicator will not function. Multiple MEPBMW can be connected in parallel to a single dimmer or a single 3-wire electronic switch, provided the total length of the remote connection does not exceed 50 metres.

FEATURES

- Multi-way dimming and ON/OFF switching for DIMPB Digital Dimmers.
- Multi-way ON/OFF switching for MEPBE Electronic Switches.
- Neutral is not required for button-only operation.
- Optional LED Indicator operation requires Neutral.
- Suits TRADER and Clipsal* style wall plates.
- NOT FOR STAND-ALONE MAINS SWITCHING.
- White and black buttons are available in the pack.

OPERATING CONDITIONS

- **Operating Voltage:** 230 – 240Va.c. 50Hz.
- **Operating Temperature:** 0 to +50 °C.
- **Compliance Standard:** AS/NZS 60669.2.1, CISPR15.
- **Power Rating:** Based upon connected Dimmer or Electronic Switch.
- **Connection Type:** Flying leads with bootlace terminals.
  Note: Operation at temperature, voltage or load outside of the specifications may cause permanent damage to the unit.

COMPATIBLE WITH

MEPBE Electronic Switch

DIMPBD Digital Dimmer

LOAD COMPATIBILITY

For use with MEPBE push button switch and DIMPBD push button dimmers only.

INSTALLATION INSTRUCTIONS

WARNING: The MEPBMW Multi-Way Remote Button 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.

- **Single Core:** Up to 50m. Connect Active and Neutral (if required) locally, provided they are on the same phase as the dimmer or electronic switch.
- **Twin Core:** Up to 20m. If the remote does not fully function or there is false switching, only connect the Remote through the twin and connect Active and Neutral (if required) locally, provided they are on the same phase as the dimmer or electronic switch).
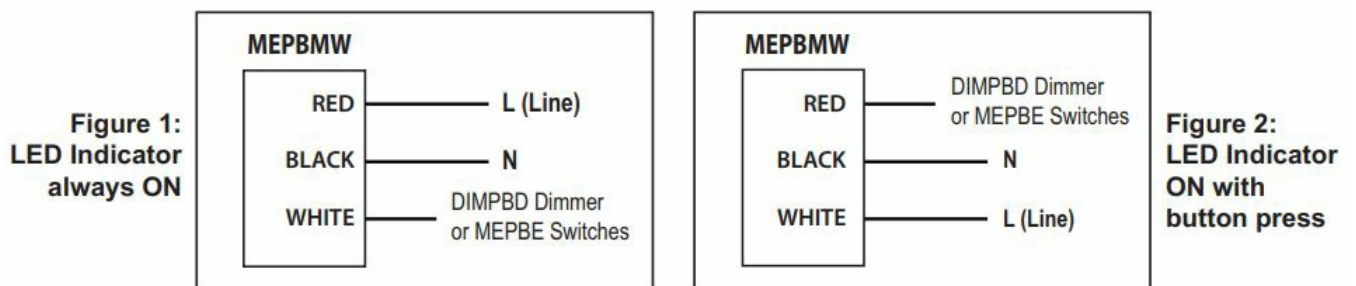
WIRING

- Disconnect power at the circuit breaker before any electrical work.
- Clip the button on to the MEPBMW. 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 the switchboard.
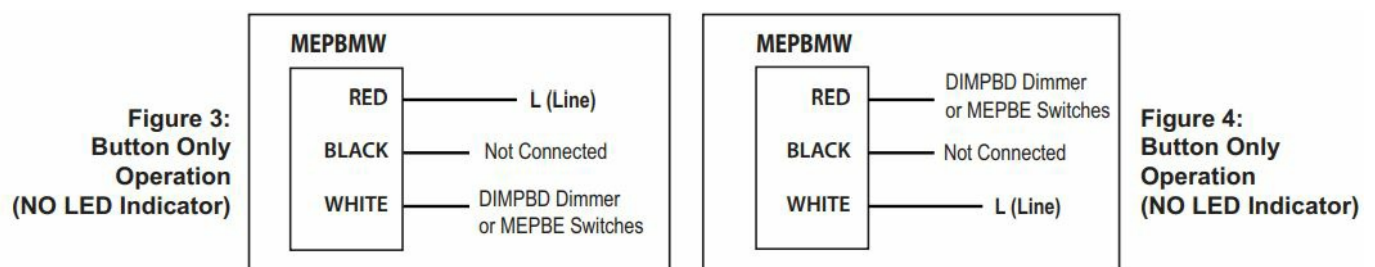 **NOTE 1:** The MEPBMW is designed for indoor use. It is not rated for outdoor installation.
  NOTE 2: Under normal operation in a two (or more) way switching circuit the MEPBMW(A) will make a "switching/clicking" noise when activated.
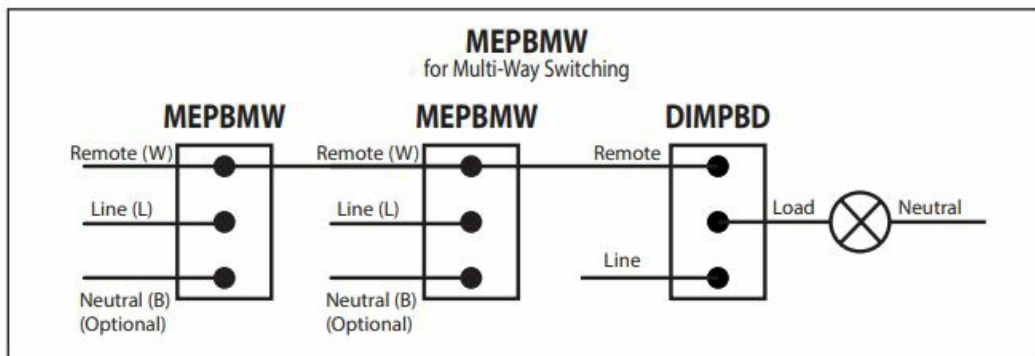
WIRING FOR LED AND BUTTON OPERATION – NEUTRAL PRESENT

Figure 1: LED Indicator always ON

MEPBMW
RED — L (Line)
BLACK — N
WHITE — DIMPBD Dimmer or MEPBE Switches

Figure 2: LED Indicator ON with button press

MEPBMW
RED — DIMPBD Dimmer or MEPBE Switches
BLACK — N
WHITE — L (Line)

WIRING FOR BUTTON ONLY OPERATION – NO NEUTRAL REQUIRED

Figure 3: Button Only Operation (NO LED Indicator)

MEPBMW
RED — L (Line)
BLACK — Not Connected
WHITE — DIMPBD Dimmer or MEPBE Switches

Figure 4: Button Only Operation (NO LED Indicator)

MEPBMW
RED — DIMPBD Dimmer or MEPBE Switches
BLACK — Not Connected
WHITE — L (Line)

WIRING MULTIPLE REMOTE BUTTONS WITH DIMPBD DIMMERS

MEPBMW
for Multi-Way Switching

- Multiple Remote Buttons can be used, provided the total remote wiring length does not exceed 50 meters.
- Either LED ON or Button-only wiring configurations can be used.

IMPORTANT SAFETY WARNINGS

LOW READING DURING INSULATION BREAKDOWN TEST
The MEPBMW is a solid-state device and a low reading may be observed when conducting insulation breakdown testing on the circuit.

CLEANING

- Clean only with a damp cloth. Do not use abrasives or chemicals.
- The Clipsal brand and associated products are Trademarks of Schneider Electric (Australia) Pty Ltd. and used for reference only

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Documents / Resources

TRADER MEPBMW Multi Way Remote Dimming Push Button [pdf] Installation Guide
MEPBMW, MEPBMW Multi Way Remote Dimming Push Button, Multi Way Remote Dimming Push Button, Remote Dimming Push Button, Dimming Push Button, Push Button, Button

References

- **User Manual**