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LEDsmart™ Push Dimmer Switch



Wall plate
not included

Range MEDM / DGPB

Overview

Designed in Australia to provide optimised dimming of LED based lamps and drivers, this high quality two-wire phase control wall plate dimmer and switch has a minimum load rating of 1W. Although optimised for LED loads, the dimmer also provides excellent compatibility with other common lamp types such as incandescent, 12V halogen and CFL's.

Features

Integrated Tap on / Tap off switch

Push and hold to dim up/down

White LED, illuminated bezel

Flush and rocker style button options

Quiet, soft press button – no harsh click

Dim to OFF with most LED light sources

Capable of driving non-dimmable CFL loads

Kids Bedroom feature – double tap when on to dim down over 30mins

Wake up mode –double tap when off to dim up over 30mins

Programmable minimum level, maximum level, kick start and off state indicator

Simple 3-step programming

Fall back LED Indicator

Settable Low brightness indicator

1W minimum load

Separately switched mode for some low wattage LED's and non-dim CFL's

Terminal block included for AS3000 compliance

Easy-fit terminal block



LEDsmart™ Digital Push Dimmer Switch

Optimised for LED lighting loads

Specifications

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Notes
	Dimmable LED Lamps	400W	The LED driver must be dimmable. Maximum permitted number of drivers is 400W divided by driver nameplate power rating. Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power-factor result when connected to dimmer.
	Electronic Transformers	400W	
	Standard Iron-Core Transformers	250W	Due to variety of transformer designs, maximum LV lighting load is further dependent on transformer efficiency.
	Toroidal Iron-Core Transformers	300W	
	Incandescent	350W	
	Dimmable CFLs	400W	Due to variety of CFL designs, maximum number is make/model dependant.

Multi-gang de-rating

In applications where multiple dimmers are installed in a multi-gang plate, a de-rating factor is applied to the maximum load as follows

Number of dimmers per plate	De-rating factor
1	No de-rating
2	0.85
3	0.70
4	0.55
5	0.40
6	0.25

De-rating example

Two Dimmers installed in a wall plate. The maximum LED load which can be connected to each dimmer = $400W \times 0.85 = 340W$ per dimmer

Incompatible Load types

Ceiling Sweep Fans and Exhaust fans

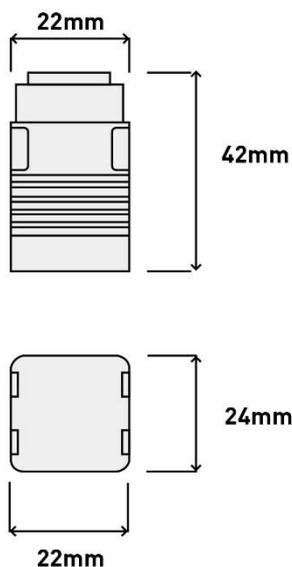
Nominal Line Voltage Amplitude Range	
Nominal Line Voltage Amplitude Range	220-240Vac
Line Voltage Frequency	50Hz Nominal (47-53Hz)
Load Brightness Control Range	0% to 100% (typical for LED loads)
Rated Load	Refer Compatible Loads
Minimum Load	1W



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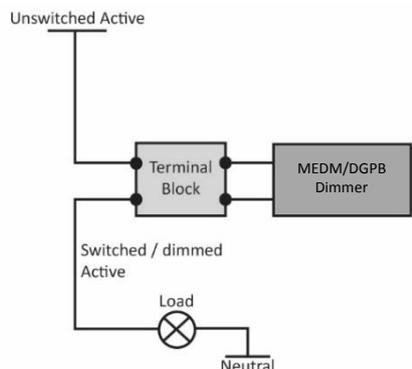
Dimensions



Typical Electrical Connections

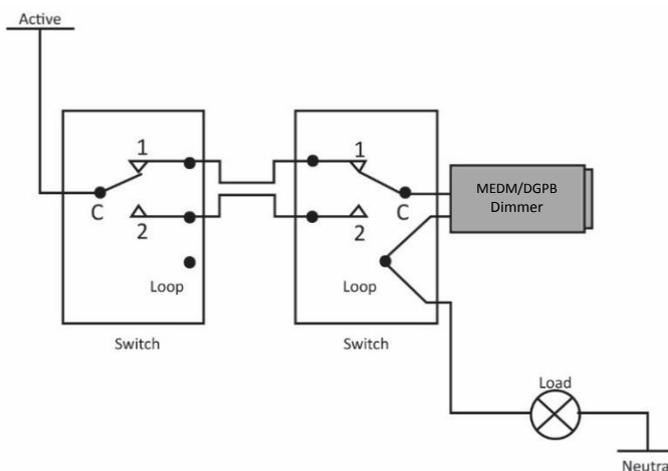
Standard Wiring using the built in tap on/tap off switch

The push dimmer has a built in tap on / tap off switch, as well as the push and hold to dim function. Therefore, no separate switch is required for on/off control.



Two way switching operation

The dimmer can be installed for two-way switched operation, as shown below.



Notes on two-way switching operation

- The dimmer must be setup in 'Separate Switch Mode' when used with a separate switch.
- In this configuration, the connected lighting can be dimmed from one location and switched from two separate locations.

Approvals & Compliance

IP20  

CONTACT INFORMATION

Web: www.diginet.net.au
 General Enquiries: 1300 95 DALI (3254) sales@diginet.net.au
 Technical Services: 1300 95 3244 support@diginet.net.au
 Fax: 1300 95 3257

PRODUCT OF GERARD LIGHTING PTY LTD

ABN - 94 122 520 307
 96-112 Gow Street
 Padstow NSW 2211

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The product includes a **TWO-YEAR WARRANTY** against manufacturing defects. Fully warranty terms can be found here www.diginet.net.au

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