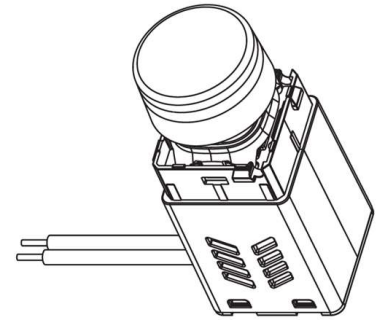


**Voltex Push Button / Rotary Dimmer
(Trailing Edge)
DM300S**






This product should only be installed by a licenced electrician in accordance with all the requirements of AS/NZS 3000 [current edition] and other relevant Standards and Regulations



This product must be used in conjunction with a standard switch plate and separate modular switch mechanism

Technical specifications

Nominal Supply Voltage	230-240Vac 50Hz
Maximum Load	300W
Minimum Load	3W
Inbuilt switch type	Semi-conductor switching device. Circuit on the load side should always be considered as live
Compatible loads*	 Dimmable LED light fixture [trailing edge]
	 240V incandescent/halogen
	 12V halogen c/w electronic transformer [trailing edge]
Non-compatible loads	Non-dimmable loads, 12V halogen with Iron core transformers, motor loads Not suitable for mixed load type
Over-temperature protection	Voltage maintained non-self-resetting thermal cut-out
Product Certification	AS/NZS 60669.2.1 with AS/NZS 60669.1

Multi-Gang de rating

Number of Dimmers	Max Load Per Dimmer
2	300W
3	250W
4	200W
5	150W
6	100W

**Note: Not all dimmable LED drivers are the same, with widely varying dimming characteristics between available LED drivers. The DM300S dimmer has been designed to adapt to a broad range of dimmable LED drivers. However, Voltex cannot guarantee compatibility with all dimmable LED drivers. Dimming issues should be referred to the manufacturer of the LED driver.*

Thermal cut-out

The dimmer has a thermal cut-out for overload and over-temperature protection. If the thermal cut-out operates, the dimmer can be reset as follows.

1. Disconnect power to the dimmer.
2. Determine and rectify the overload/over-temperature issue.
3. Turn power back on to automatically reset the dimmer.

Off-peak Ripple Signal Injection

High frequency signal injection is used by some electricity suppliers to remotely control devices such as off-peak water heaters. They are most common in NSW and parts of South QLD. If dimmers are installed in areas where there are amplified ripple signals, flickering may be experienced at times of the ripple signal injection, depending on the load type and dimming level. Voltex dimmers have been designed to compensate for a nominal level of off-peak ripple signals. However, some electricity suppliers may increase the ripple signal amplitude, which can impact on the dimmer's ability to remove ripple signals and cause the lighting to flicker. For more information regarding ripple signals, please contact your local electricity supplier.

Warranty

Voltex will not accept any warranty claims when the Voltex DM300S dimmer is used with non-Voltex branded lighting products. The DM300 dimmer is compatible with many leading brands of dimmable lighting products, however Voltex recommends checking compatibility between the dimmer and all 3rd party downlights or contact the Voltex technical support team to discuss suitability.

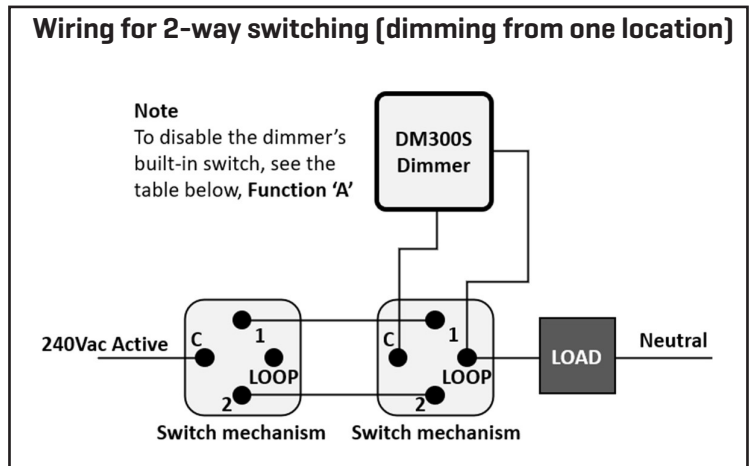
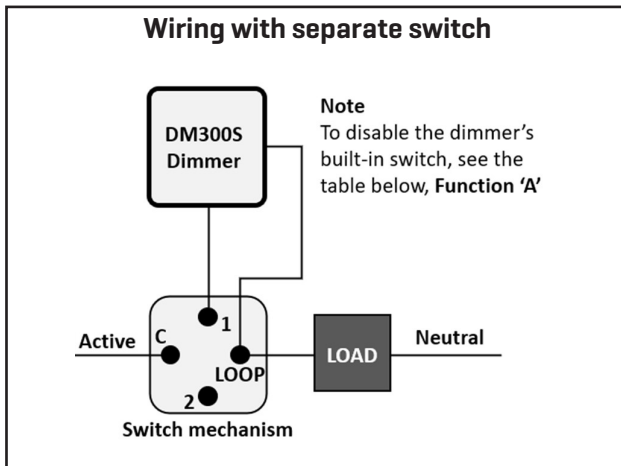
Dimmer Installation



The dimmer's in-built push button switch is enabled by default, it can be disabled as follows:
 With the lights ON, press the dimmer knob 4 times in quick succession. The dimmer knob backlight will flash 3 times to confirm the in-built switch is now disabled.

Installation procedure

1. Disconnect power to the circuit.
2. Fit the DM300S Dimmer and a separate switch mechanism into a switch plate.
3. Connect the dimmer in the required mode (see below).
4. Reconnect power and confirm operation.
5. Change minimum dimming level setting if required [see table below].
6. Change other settings as required [see table below].



If required, the default settings can be altered as shown in the table below.

Function	Default	Instructions
A	Enable/disable the in-built push-button switch	Enabled With the lights ON, press the dimmer knob 4 times in quick succession. The dimmer knob backlight will flash 3 times to confirm the switch is now disabled.
B	Adjust the minimum dimming level [Note, If the minimum brightness level is set below 20%, the lights will still switch on at 20%]	20% With the lights ON, adjust the minimum brightness to the required level, then press the dimmer knob 5 times in quick succession. The dimmer knob backlight will flash 3 times to confirm that the new minimum level has been saved.
C	Enable the dimmer knob backlight [In this mode the dimmer knob backlight will always stay on]	ON With the lights ON, press the dimmer knob 6 times in quick succession. The dimmer knob backlight will flash 3 times to confirm that the dimmer knob backlight has been enabled.
D	Clear the minimum dimming level	20% With the lights ON, press the dimmer knob 7 times in quick succession. The dimmer knob backlight will flash 3 times to confirm that the minimum level is now 0%.
E	Disable the dimmer knob backlight [ON state brightness 0%, OFF state brightness 0%]	Enabled With the lights ON, press the dimmer knob 8 times in quick succession. The dimmer knob backlight will flash 3 times to confirm that the dimmer knob backlight has been disabled.
F	Reset all functions to factory defaults	- With the lights ON, press the dimmer knob 9 times in quick succession. The dimmer knob backlight will flash 3 times to confirm that the dimmer settings have been changed to factory defaults.
G	Power-up ON/OFF*	ON With the lights ON, press the dimmer knob 10 times in quick succession. The dimmer knob backlight will flash 3 times to confirm that the power up state has been changed.

*The dimmer is required to be set to 'Power-up ON' as an external ON/OFF switch must be used in conjunction with the dimmer. If the dimmer is set to 'Power-up OFF' the lights will not turn on when the external switch is turned back ON.

When the dimmer is set to power-up ON, the lights will switch back ON at the same level they were switched OFF at. NOTE: To ensure reliable operation, when the lights are switched OFF at a low dimmed level (less than 20%), the lights will always switch back ON at 20%



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Australia
www.voltexelectrical.com.au
 P: 1300 722 275 E: sales@voltexelectrical.com.au

New Zealand
www.voltexelectrical.co.nz
 P: 0800 55 66 33 E: sales@voltexelectrical.co.nz

