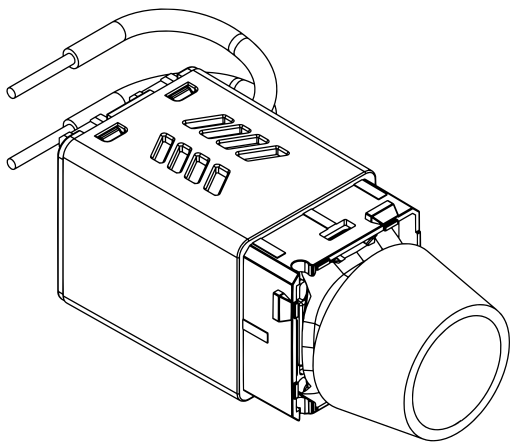


ARIA

Push Button / Rotary Dimmer (Trailing Edge, 300W)

ADM300SV2, DM300SV2



IMPORTANT

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.



DM300SV2
Gloss White



DM300SV2
Matte Black



ADM300SV2
Matte White



ADM300SV2
Matte Black



ADM300SV2
Dark Grey

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.

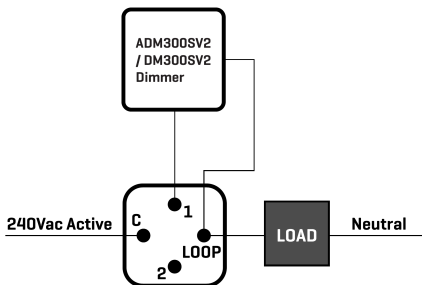
Warranty

Voltex will not accept any warranty claims when the Voltex ADM300SV2 / DM300SV2 dimmer is used with non-Voltex branded lighting products. The ADM300SV2 / DM300SV2 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.

Installing the dimmer to operate with a separate, external switch

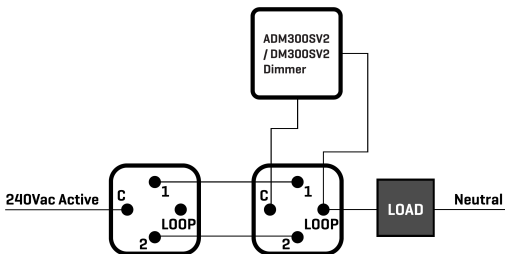
1. Disconnect power to the circuit.
2. Fit the Dimmer and a separate switch mechanism into a switch plate.
3. Connect the dimmer in the required mode (see below).
4. Reconnect power and confirm operation.
5. Change minimum dimming level setting if required (see table below).
6. Change other settings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

Wiring with separate switch



Note: To disable the dimmer's built-in switch, see the settings table, Function 'B'.

Wiring for 2-way switching (dimming from one location)



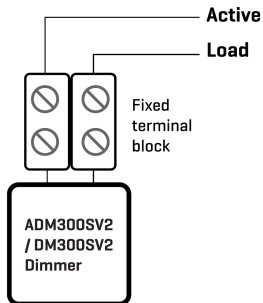
Note: To disable the dimmer's built-in switch, see the settings table, Function 'B'.

Installing the dimmer to operate without an external switch (utilising the integrated push-button switch for on/off)

1. Disconnect power to the circuit
2. Fit the dimmer into a wall plate
3. Connect the dimmer as shown in the diagram
4. Reconnect power and confirm operation
5. Adjust minimum dimming level as required (see table below)
6. Adjust other settings as required (see table below for all available settings)

Wiring with no external switch

Note: the dimmer cables must be terminated into a fixed, screw down terminal block. The installer can use the supplied terminal block and attach it to the rear of the dimmer with the provided screw.



NOTE

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

Technical specifications

Nominal Supply Voltage	230–240Vac 50Hz
Maximum Load	300W
Minimum Load	3 W
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 ADM300SV2 / DM300SV2 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.

Changing function settings

To change function settings, the dimmer must be changed from normal Operating Mode to Setup Mode.

To enter Setup Mode

With the connected load switched on, press and hold the dimmer knob for 10 seconds. The LED backlight changes to red to indicate the dimmer is in setup mode. When in Setup Mode, settings can be altered as shown in the table.

To exit Setup Mode

Press and hold the dimmer knob for 10 seconds. The LED backlight changes to normal operation colour (Blue or White). Note: if not manually changed from setup mode back to normal operating mode, the dimmer will change back to normal operating mode automatically after the dimmer knob has not been pressed for 30 minutes.

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

FUNCTION	DEFAULT	PROCEDURE
A Toggle between the blue LED and white LED backlight	DM300SV2 – blue ADM300SV2 – white	In setup mode, press the dimmer knob 2 times in quick succession. If changing the backlight from blue to white, the backlight will flash white 2 times, then back to red. If changing the backlight from white to blue, the backlight will flash blue 2 times, then back to red.
B Enable/disable the in-built push button switch	Enabled	In setup mode, press the dimmer knob 3 times in quick succession. The red LED backlight will flash 3 times to confirm that the push button switch has been toggled between enabled/disabled. Note: If disabled, the push button will continue to function in setup mode. It will become disabled when the dimmer exits setup mode.
C Adjust the minimum dimming level. NOTE: If the minimum brightness level is set below 20%, the lights will still switch on at 20%	20%	In setup mode, adjust the minimum brightness to the required level. Then press the dimmer knob 4 times in quick succession. The red LED backlight will flash 4 times to confirm that the new minimum level has been set.
D Adjust the maximum dimming level. NOTE: Maximum brightness can only be set between 70% and 100%	100%	In setup mode, adjust the maximum brightness to the required level. Then press the dimmer knob 5 times in quick succession. The red LED backlight will flash 5 times to confirm a new maximum level has been set. Note: If a level below 70% is chosen as maximum, the saved value will be 70%.

FUNCTION	DEFAULT	PROCEDURE
E Clear the current minimum dimming level. NOTE: To set a new minimum, see Function C	Min 20% Max 100%	In setup mode, press the dimmer knob 6 times in quick succession. The red LED backlight will flash 6 times to confirm that the minimum level is now set to 0%
F Clear the current maximum dimming level. Note: To set a new maximum, see Function D	Min 20% Max 100%	In setup mode, press the dimmer knob 7 times in quick succession. The Red LED backlight flashes 7 times to confirm that the maximum level is set to 100%
G Disable/Enable the dimmer knob backlight	ON	With the lights ON, press the dimmer knob 8 times in quick succession. The dimmer knob backlight will flash 8 times to confirm that the dimmer backlight has been toggled
H Reset all functions to factory defaults	N/A	In setup mode, press the dimmer knob 9 times in quick succession. The red LED backlight will flash 9 times to confirm that the dimmer settings have been changed to factory defaults.
I Power-up ON/OFF*	ON	In setup mode, press the dimmer knob 10 times in quick succession. The red LED backlight will flash 10 times to confirm that the power up state is changed.

*The dimmer is set to 'Power-up ON' by default. This setting is required when the dimmer is used with an external switch mech. If the dimmer is set to 'Power-up OFF' the lights will not turn on when the external switch is turned 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%.

If no external switch is used, the power-up state can be set to OFF, as shown in the table above.



Voltex warrants all its ADM300SV2 / DM300SV2 Push Button / Rotary Dimmers against defective workmanship and faulty materials for 7 years from the original date of purchase. Please retain proof of purchase and electrical certificate of compliance.

Contact Voltex Electrical on 1300 722 275 (Australia) or 0800 55 66 33 (New Zealand) for any warranty claims.

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AU P: 1300 722 275
E: sales@voltex.com
www.voltex.com

NZ P: 0800 55 66 33
E: sales@voltex.com
www.voltex.com