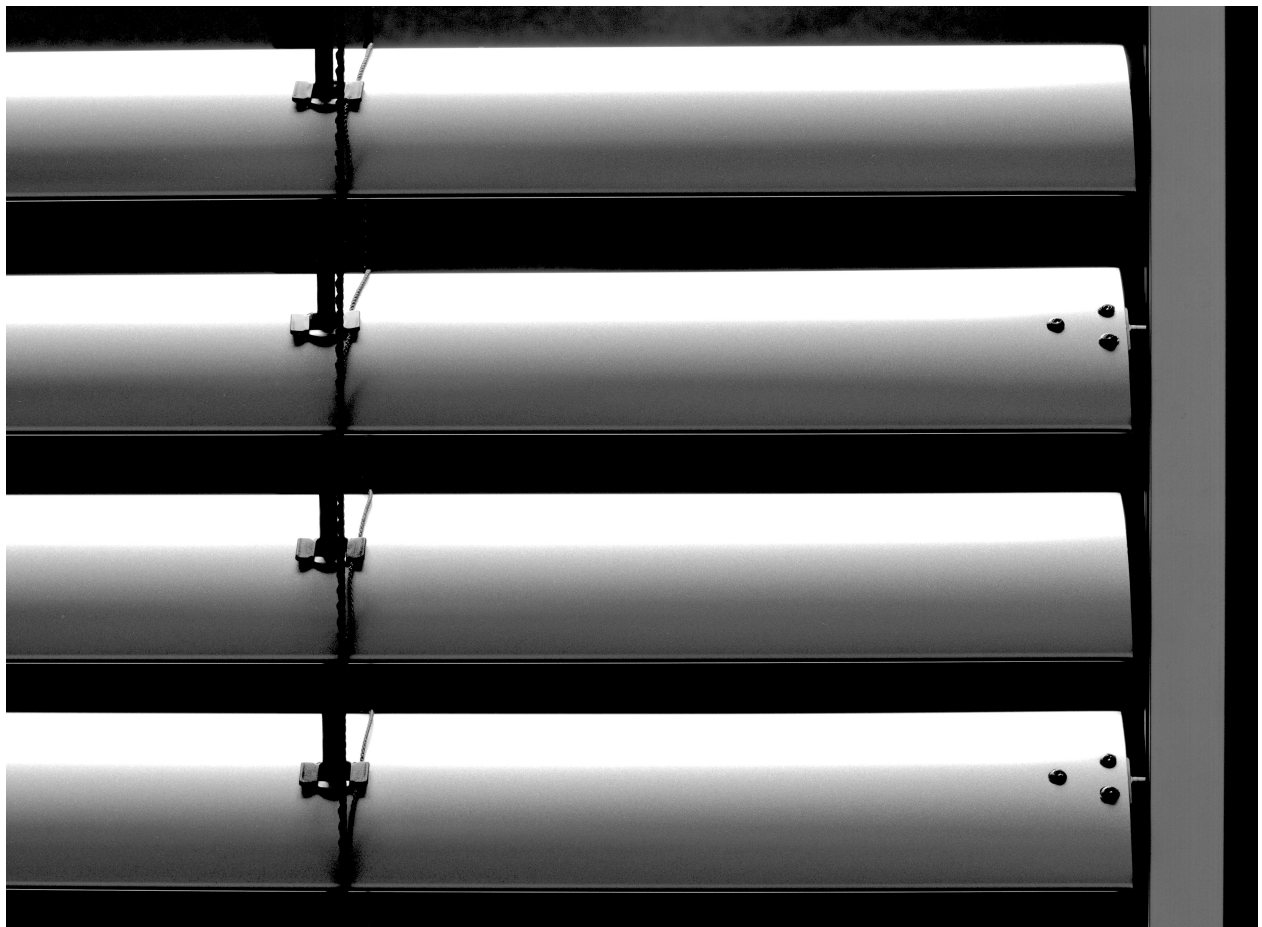


Vental Type 80 a6

Operation and Maintenance Guide



This document is a basic guide to the operation and maintenance of your Vental Type 80a6 external venetian blinds.



1. Products intended use

Vental Type 80a6 external blinds are designed to be fitted directly in front of glazed windows or doors to assist in reducing the amount of direct solar heat that would otherwise enter the building. The product works by providing shade to the glazed window or door opening and thus reducing the amount of solar heat entering the building.

NOTE: This product is not designed or intended to be fitted away from a glazing or free of the building facade. See '7. Blind fitting away from glass or facade' for further details.



2. Overview of operation

Vental Type 80a6 external blinds may be raised, lowered or tilted to create the desired sun shading, room darkening or privacy effect. The adjustment of the blinds is via a switch operating the electric venetian blind motors (individually switched) or automatic systems (by a sun & wind unit, time clock or proprietary BMS).

NOTE: If the individual control switches are used to adjust the blinds in an 'automatic' system they must be switched back into the "OFF" position when the adjustment is finished.

3. Motorised with individual switching

Individual control switches may be used to adjust the blinds.

The blinds are raised or lowered by turning the switch to the appropriate position and once the blind has reached the desired position turning the switch OFF.

The blinds may be tilted by quickly activating the switch between UP/DOWN and OFF. This 'fast switching' gives a short duration electrical connection to the motor in the desired direction which affects the blinds tilt.

4. Automatic operation

The operation of any 'automatic' controls is strictly in accordance to the manufacturers instructions.

Please refer to equipment manufacturer for additional details or technical support.

5. Cleaning and maintenance

Vental blinds contain movable parts (involved in raising, lowering and tilting) and those movable parts are subject to wear and tear and will require maintenance and/or cleaning from time to time which is not covered by warranty.

Blinds should be cleaned of salt spray, excess dirt and dust by gently hosing them down with fresh water. More persistent dirt may need removal with a mild detergent and a sponge. It is important not to hose up into the blind top channel, in the area of the electric blind motor or near the electrical cables connected to the motor.

Blinds fitted in areas near salt water environments will require more cleaning than those fitted far from the coast. Please see '6. Paint and corrosion information' for additional information.



Keep guides clean and free of obstruction at all times. Ensure there are no obstructions of any kind (e.g. plant, animal, insect) within the blind operational 'clear zone'. If the blinds jam, are crooked (not level), make excessive noise or are in any way obstructed, cease operation of the blinds immediately and seek suitable assistance in resolving the problem.

NOTE: High pressure hoses MUST NOT be used on blinds at any time.

6. Repairs and warranty

Blinds must be returned to Vental at 116 Wellington Street, Waterloo NSW 2017 for any warranty claims or repairs. Vental should be contacted prior to this work being arranged.

Where blinds were fitted by Vental Australia Pty Ltd an on site visit is possible for a warranty repair claim.

Please see the warranty information provided in your original quotation and at the end of this document for further details.

7. Blind fitting

It is essential when carrying out any work on Vental blinds, that the fitter be able to use both hands for the process and therefore, in accordance with workplace safety legislation, extension ladder access is deemed unsafe and so scaffold or other approved access is required and formed an essential term of your acceptance of our quotation for blinds.

Where blinds are fitted above the reach of a 2.4m step ladder, you agree to provide suitable scaffold access, at your expense, for the purpose of fitting of the blinds, general maintenance, defect rectification and/or warranty claims.

Where you direct Vental to fit blinds in a position that is not safely accessible without the use of scaffold or other access equipment, you acknowledge that the product is not fit for this purpose and that this is done against our recommendation and in full acceptance of the additional access costs you will incur.

8. Blind fitting away from glass or facade

This product is not intended to be fitted away from the glass and is not intended to be used in the control of wind and/or rain.



Where you have had Vental blinds fitted in a position that is not directly in front of glazing, you acknowledge that you have been advised that the product is not fit for this purpose and that this is done against the manufacturers recommendation.

You understand that blinds fitted without glazed backing must always be retracted when wind conditions present a risk of damage and that you accept full responsibility for this decision.

Note: The amount of wind required before retraction becomes necessary is related to the blind width (as narrower blinds are generally more robust than wider blinds) and wind flow around your structure. The retraction threshold level may be as low as a zephyr and can extend all the way up to a stiff breeze. No estimate of this level can reasonably be given. Where you direct Vental to fit blinds without direct glass backing, you accept that this is misuse of the product.

9. Paint and corrosion information

The Purchaser must maintain the blinds by keeping the blinds and their guides clean at all times.

Where blinds are located in atmospheric corrosive categories C4 or higher (as defined by ISO 12944 and/or AS4312-2008) they must be washed with fresh water to remove salt and/or other contaminants. The frequency of the washings will be dependant on proximity to the source.

Note: Any defects resulting from airborne industrial pollutants including acid rain, industrial fall out, salt, sand, stones, tree sap, bird and animal droppings, windstorm, hail, flood, lightning or other Acts of nature are excluded from our warranty.

10. Normal wear and tear

All external blind parts will wear as part of their normal operation but their life can be extended with proper care.

Blind care. It is important to maintain and care for your blinds slat paint in accordance with Vental's recommendations regarding cleaning recommendations, and avoid improper maintenance including incorrect cleaning agents.

Guide care. It is of the utmost importance that the guide rails are kept clear of any obstructions.



General Warranty Information

The warranties set out below are the same as listed in the quotation you accepted to proceed with your order for blinds and are given by Vental Australia Pty Limited ABN 81 002 734 278 of 116 Wellington Street, Waterloo NSW 2017.

You may contact us by phone on 02 9036 8950 or by email on repairs@vental.com.au

The benefits to a consumer given by these warranties are in addition to other rights and remedies of the consumer under a law in relation to the goods to which the warranties relate.

Any claim under the terms of these warranties should be referred to Vental Australia Pty Ltd or an authorised Vental Distributor. A consumer must, at their own cost, present the blind to Vental Australia Pty Ltd or an authorised Vental Distributor. A list of authorised Vental Distributors and their contact details may be found at www.vental.com.au or requested from Vental by telephone or email.

The Vental New Blind Warranty does not cover the costs of routine maintenance or cleaning of your blinds.

Where to have Warranty Repairs carried out

When a warranty repair is required, it is the responsibility of the owner/customer/agent of the blind to report the defect to Vental Australia Pty Ltd or an authorised Vental Distributor.

All warranty defects must be reported to Vental Australia Pty Ltd or an authorised Vental Distributor as soon as possible and within a suitable time.

Vental guarantees that within the relevant warranty period any part or component of your blinds that is found to be defective from manufacture in materials or workmanship will be repaired, replaced or adjusted by Vental Australia Pty Ltd or an authorised Vental Distributor without of charge.

The owner/customer/agent of the blind is responsible to present the blind (including blind guide rails) to Vental Australia Pty Ltd or an authorised Vental Distributor at their expense and to collect the blind at their expense, in the case of all warranty repairs.

It is not a requirement of these warranties to be provided with alternative sun shading equipment.



Important considerations regarding warranty exclusions

Certain things are not caused by 'faulty materials or workmanship' and so are excluded from our warranty. These include but are not limited to:

Modifications. (i) Any modifications or repairs or dismantling that have not been approved by Vental, including but not limited to changes to original equipment and the fitment of non approved parts or accessories. (ii) Incorrect or poor wiring to the blind motor. (iii) Non approved blind motor control switches. (iv) Any alterations that have changed the design or performance from that originally supplied from Vental.

Misuse. (i) Any defects resulting from customer negligence, misuse or abuse. (ii) Leaving blinds in a non-retracted position beyond the specified wind load or capacity. (iii) Continuing to use the product after a defect has been discovered or is suspected. (iv) Use of the product in 'off glass' situations or beyond the designed or intended use of the product.

Damage. Any defects resulting after an accident, impact, fire or illegal use or malicious or accidental damage to your blind (including damage by a third person).

Blind care. Failure to maintain and care for your blind including the slat paint in accordance with Vental's recommendations, or improper maintenance including incorrect cleaning agents.

Reporting. Failure to report warranty defects within a timely manner and then have them repaired quickly.

WARRANTY TERMS AND CONDITIONS

New Blind Warranty

Vental provides a thirty six (36) month guarantee on all of our external blinds against any defects caused by the use of faulty materials or workmanship during our manufacturing process.

- i. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- ii. Blinds manufactured and fitted by Vental are covered by a 'parts and labour warranty' for the the warranty period (excluding travel time as detailed in exclusions clause 3. below).



- iii. Blinds manufactured as 'supply only' by Vental are covered by a 'factory labour and parts only warranty' with the cost of all site labour and transport to be borne by the owner/customer/agent.

What is not covered by a Warranty repair claim

Repairs that do not fall under the term "defects from manufacture" such as:

1. Normal weathering, wear and tear, squeaks, squeals and any noise generated by the product or parts is excluded from this warranty.
2. This warranty excludes product misuse, improper installation or operation, lack of reasonable care, loss of parts, as well as unauthorised tampering, repairs or modifications, or failure to keep the guides and moving parts clean and clear of obstructions.
3. The cost of labour traveling to and from the blind site, from our Waterloo factory, is excluded by the warranty where travel time exceeds one (1) man hour. The cost of all additional travel to be borne by the client on a per man per hour basis at the rates listed in our current standard service authorisation form.
4. The supply and cost of appropriate scaffold access or other access equipment is excluded from this warranty and is to be borne entirely by the client. Blinds manufactured and fitted by Vental must have appropriate scaffold access provided to them for the purpose of inspection, removal and re-fitting of the blinds to be repaired. Where a Purchaser directs Vental to fit blinds in a position that is not safely accessible, without the use of scaffold access or other access equipment, the Purchaser agrees to accept responsibility for this decision and therefore the full cost of all necessary scaffold access or other access equipment.
5. Supply only blinds (including blind guide rails) must be returned to Vental 116 Wellington Street, Waterloo NSW 2017 for any warranty repairs. All shipping, removal and re-fitting costs are excluded from this warranty and are to be borne by the owner/customer/agent.
6. Failures in supply only blinds will be excluded from warranty if the failure is suspected to be caused by incorrect or poor fitting and/or improper use.
7. Unauthorised modifications made to electric blind motors excludes them from this warranty. This includes but is not limited to, the removal of motor plugs, tampering with the motor casing, disassembly of motor, unauthorised removal or adjustment of motor stops.



8. Modifications or alteration made to blinds or any blind components constitutes abuse and excludes them from this warranty. This includes but is not limited to, the cutting down of blind slats, modification to blind guides, the attachment of any items to the blind or blind components and/or any other action that prevents the blind from operating as intended by the manufacturer.
9. Damage suspected to be caused by storms, wind, hail, animals, insects, plants and other outside influences or 'acts of God' are excluded from this warranty. Please ensure you retract the blinds where necessary to avoid damage to the product.
10. Vental excludes responsibility for failures or damage to blinds or other items where parts, material or other equipment that are manufactured by the Purchaser or contracted by them and are made available to us. The Purchaser is responsible for checking the quality and load-bearing capacity of the installation substructure and to select appropriate fixing materials. Vental excludes responsibility for defects that are due to incorrect selection.
11. Any claim of failure or 'product not fit for purpose' that is related to an incorrect goods description or specification made by or assumed by the Purchaser are excluded from this warranty.
12. Blinds that exceed our published recommended max. and min. blind sizes are excluded from warranty. Vental clearly details these size limits to Purchasers and Specifiers as these size limits are the only sizes that will operate reliably. Where a Purchaser directs Vental to manufacture blinds outside these published size limits, the Purchaser agrees to accept responsibility for this decision.

Making a claim

- a. Vental or its authorised dealer must be notified of your intention claim warranty repairs or to return the goods for warranty repairs, by mail, phone or email prior to return and within 7 days of the problem occurring.
- b. Overview and detail photos of the blinds and associated components, as fitted, must be taken prior to removal of blinds for return. This is required to assist in determining the cause of the problem and thus processing your claim.
- c. The faulty goods must be received by Vental or its authorised dealer, freight prepaid, with serial numbers and all identification decals intact, within 30 days of the failure. The original sales receipt or invoice must accompany the failed products



- d. We will carry out an inspection of the goods and advise on the apparent cause of the problem, indicating if the repair or replacement is included in the warranty or excluded from the warranty.
- e. Where a warranty is accepted, repair or replacement work will normally be completed within 3 working weeks of receipt of the returned blinds. On completion, you will be notified that the repaired or replacement goods are packed and awaiting your collection or freight prepaid collection by your nominated carrier.
- f. Where a repair or replacement is made under warranty, the repaired or replacement products will only be covered by warranty for the remainder of the original warranty period. The repair or replacement products will not carry a new warranty, and in no event will a Purchasers warranty extend beyond the original term.

DISCLAIMER - Nothing in these terms or this document shall exclude, restrict or modify any term, condition, warranty or liability implied by statute, where to do so would be unlawful or render any provision of this warranty void. In the event that any portion or condition of this warranty is found illegal, unenforceable or invalid for any reason, the remaining provisions shall be interpreted and construed as if the illegal or invalid provision was not a part of the document.

Vental Type 80 a6

Wind Speed Limit Recommendations



For **Vental Type 80a6** external venetian blinds, the use of wind speed limits (see below) is recommended. If the wind speed limits are reached, the blinds must be fully retracted.

If used, we recommended that wind monitors be set to the lowest value.

Basis of wind table:

- ❖ Slat to window distance - less than 100 mm
- ❖ Slat within facade line - less than 20 mm protruding at horizontal slat position.
- ❖ Blind height - less than 2400 mm

Recommended wind speed limits are as follows:

Venetian Blind Width <i>width up to</i>	Wind Speed Limit Recommended	
	<i>km/h</i>	<i>Beaufort</i>
1500 mm	50 – 61	7
2000 mm	50 – 61	7
2500 mm	50 – 61	7
3000 mm	50 – 61	7
4000 mm	39 - 49	6
5000 mm	39 - 49	6

There is a need to modify the table values (Beaufort value) in the following cases:

1. Window distance
 - ➡ between 100 to 300 mm - Reduce value by 1
 - ➡ between 300 to 500 mm - Reduce value by 2
 - ➡ more than 500 mm - Table no longer applies
2. Height of blind and/or guide cable
 - ➡ between 2400 to 4000 mm - Reduce value by 1
 - ➡ more than 4000 mm - Reduce value by 2

Example: A venetian blind 4100 mm(W) x 3300 mm(H) fitted 150 mm off the window (but still within the facade) would have a wind speed limit of Beaufort 4 or 20–28 km/h.

The external venetian blinds will only meet the requirements of the stated wind speed limits when mounted if:

- ✓ the recommended number of brackets, holder and guides are mounted.
- ✓ the suitable fixings are used and structurally sound structure is provided.
- ✓ the blind meets the manufacturers published size and clearance limits.
- ✓ windows and/or doors behind the blind are kept closed at all times.

Note: When mounting to wood a wind speed limit cannot be given due to the variability of this building material.

BEAUFORT SCALE					
Beaufort	Description	Wind speed		Sea conditions	Land conditions
0	Calm	< 1 km/h	< 0.3 m/s	Sea like a mirror.	Calm. Smoke rises vertically.
1	Light Air	1–5 km/h	0.3–1.5 m/s	Ripples with the appearance of scales are formed, but without foam crests.	Smoke drift indicates wind direction. Leaves and wind vanes are stationary.
2	Light Breeze	6–11 km/h	1.6–3.3 m/s	Small wavelets, still short but more pronounced; crests have a glassy appearance and do not break.	Wind felt on exposed skin. Leaves rustle. Wind vanes begin to move.
3	Gentle Breeze	12–19 km/h	3.4–5.5 m/s	Large wavelets. Crests begin to break; scattered whitecaps.	Leaves and small twigs constantly moving, light flags extended.
4	Moderate Breeze	20–28 km/h	5.5–7.9 m/s	Small waves with breaking crests. Fairly frequent whitecaps.	Dust and loose paper raised. Small branches begin to move.
5	Fresh Breeze	29–38 km/h	8–10.7 m/s	Moderate waves of some length. Many whitecaps. Small amounts of spray.	Branches of a moderate size move. Small trees in leaf begin to sway.
6	Strong Breeze	39–49 km/h	10.8–13.8 m/s	Long waves begin to form. White foam crests are very frequent. Some airborne spray is present.	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult. Empty plastic bins tip over.
7	Near Gale	50–61 km/h	13.9–17.1 m/s	Sea heaps up. Some foam from breaking waves is blown into streaks along wind direction. Moderate amounts of airborne spray.	Whole trees in motion. Effort needed to walk against the wind.
8	Gale	62–74 km/h	17.2–20.7 m/s	Moderately high waves with breaking crests forming spindrift. Well-marked streaks of foam are blown along wind direction. Considerable airborne spray.	Some twigs broken from trees. Cars veer on road. Progress on foot is seriously impeded.
9	Strong Gale	75–88 km/h	20.8–24.4 m/s	High waves whose crests sometimes roll over. Dense foam is blown along wind direction. Large amounts of airborne spray may begin to reduce visibility.	Some branches break off trees, and some small trees blow over. Construction/temporary signs and barricades blow over.
10	Storm	89–102 km/h	24.5–28.4 m/s	Very high waves with overhanging crests. Large patches of foam from wave crests give the sea a white appearance. Considerable tumbling of waves with heavy impact. Large amounts of airborne spray reduce visibility.	Trees are broken off or uprooted, structural damage likely.
11	Violent Storm	103–117 km/h	28.5–32.6 m/s	Exceptionally high waves. Very large patches of foam, driven before the wind, cover much of the sea surface. Very large amounts of airborne spray severely reduce visibility.	Widespread vegetation and structural damage likely.
12	Cyclone / Hurricane	≥ 118 km/h	-	Huge waves. Sea is completely white with foam and spray. Air is filled with driving spray, greatly reducing visibility.	Severe widespread damage to vegetation and structures. Debris and unsecured objects are hurled about.