

ALTAIR[®] POWERLOUVRE[™] WINDOWS

for Residential and Commercial



breezway[®]

Powerlouvre™

Window Automation Made Easy



The award winning **Altair® Powerlouvre™ Window** displays pure elegance with no visual indication of any external rods or automated device making this product a stylish option for contemporary **residential** or **commercial** building designs.



Motor is concealed within the head of the window frame.



An Automated Window System

The Powerlouvre Window has been developed to reach heights up to 2.7 metres and quietly opens to 87.5 degrees, automatically stopping at the fully open and fully closed positions or can be stopped in any intermediate position throughout the open/close cycle.

When fully open, the Powerlouvre allows 90% natural ventilation through the entire window opening which helps keep the building at a comfortable temperature without the need for artificial cooling systems. This is in comparison to common powered awning windows that only provide between 12% - 30% air depending on the wind direction.

Powerlouvre Windows are ideal for out-of-reach locations to allow hot air to escape quickly with a simple press of a button. No fine motor skills or large control rods are required, encouraging occupants to operate the windows more frequently to ventilate the building. Powerlouvres also make for great floor-to-ceiling feature windows to help improve the quality of indoor air so building occupants can be left feeling fresh and healthy.

Altair® Powerlouvre™ Window Options

Available in the Breezway Easyscreen™ or Innoscreen® Window System or in Component form for installation into Timber or Commercial Frames, the Powerlouvre Window can be controlled by the Aptivate Control Unit or integrated into a Building Management System to suit a wide range of budgets and control needs.

The selection process is also made easy as the standard Altair Louvre Window and the Powerlouvre Window are interchangeable in all aspects, enabling easy matching of automated and manual windows. For example, there is no change to the frame sizes and details, Product Performance Warranty or building installation method, and the Powerlouvre Window is available from the same suppliers.

Breezway Window Systems are delivered fully assembled. Powerlouvre Windows remove the complexity of sourcing special trades to install motors and program the system and is also compatible with the Stronghold System for multi-storey residential or commercial projects.



A standard sized, touch sensitive wall switch for easy use. Single touch to fully open, fully close or open to an intermediate position.



Single and dual channel models available for individual requirements. Can operate multiple Powerlouvre Windows for maximum ventilation.



Bluetooth® Smart module to permit control by and communication with compatible smartphones & tablets (of more than 10m).



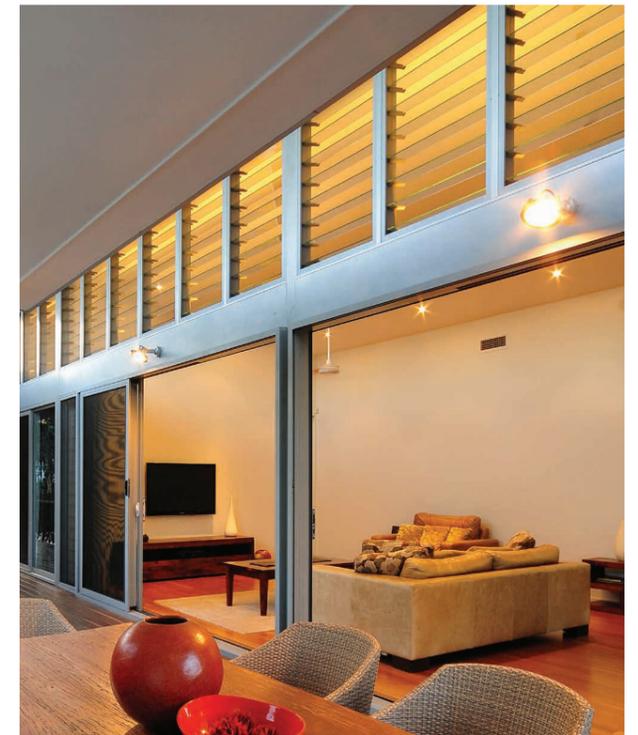
Automatic operation in response to an in-built temperature sensor that allows rooms to be naturally cooled or windows closed to retain warmth when required.



Automatic operation in response to pre-set timers which allows windows to be set to operate in anticipation of the building occupant's daily routine.



'Night mode' to minimise potential sleep disruptions. A single command can open or close all Powerlouvre Windows in range.



Extensive Testing

- Cyclical open/close = 30,000
- Salt mist = 1,000 hours
- Extreme humidity = 90% humidity at 35 degrees celcius
- Extreme heat = 60 degrees
- Extreme cold = 0 degrees
- Electromagnetic compatibility

Technical Specs

- 24V DC operating voltage from 230V AC supply voltage
- Compatible with major switching systems
- 3 year electrical warranty

Size Specs

- Standard heights only
- Max width = 4000mm or 6 bays
- Min width = 400mm
- Frames can be coupled vertically or horizontally



Altair® Powerlouvre™ Standard Heights

| No. of Blades | Altair® Powerlouvre™ Window in an Easyscreen™ System | | Altair® Powerlouvre™ Window in an Innoscreen® System | | Altair® Powerlouvre™ Components (including Weatherstrip*) | |
|---------------|--|--------------|--|--------------|---|--------------|
| | Height 152mm | Height 102mm | Height 152mm | Height 102mm | Height 152mm | Height 102mm |
| 2 | 371mm | - | 380mm | - | 360mm | - |
| 3 | 511mm | 361mm | 520mm | 370mm | 500mm | 350mm |
| 4 | 651mm | 451mm | 660mm | 460mm | 640mm | 440mm |
| 5 | 791mm | 541mm | 800mm | 550mm | 780mm | 530mm |
| 6 | 931mm | 631mm | 940mm | 640mm | 920mm | 620mm |
| 7 | 1071mm | 721mm | 1080mm | 730mm | 1060mm | 710mm |
| 8 | 1211mm | 811mm | 1220mm | 820mm | 1200mm | 800mm |
| 9 | 1351mm | 901mm | 1360mm | 910mm | 1340mm | 890mm |
| 10 | 1491mm | 991mm | 1500mm | 1000mm | 1480mm | 980mm |
| 11 | 1631mm | 1081mm | 1640mm | 1090mm | 1620mm | 1070mm |
| 12 | 1771mm | 1171mm | 1780mm | 1180mm | 1760mm | 1160mm |
| 13 | 1911mm | 1261mm | 1920mm | 1270mm | 1900mm | 1250mm |
| 14 | 2051mm | 1351mm | 2060mm | 1360mm | 2040mm | 1340mm |
| 15 | 2191mm | 1441mm | 2200mm | 1450mm | 2180mm | 1430mm |
| 16 | 2331mm | 1531mm | 2340mm | 1540mm | 2320mm | 1520mm |
| 17 | 2471mm | 1621mm | 2480mm | 1630mm | 2460mm | 1610mm |
| 18 | 2611mm | 1711mm | 2620mm | 1720mm | 2600mm | 1700mm |

* Altair Powerlouvre Weatherstrip must be used for componentry



Visit www.breezway.com.au for more information.

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Your Breezway Louvre
 Window Fabricator.



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