

# SPECIFICATIONS



## Vollay V6000 ACS – Automation and Control Systems

The full range of motors used in the Vollay™ motorized systems can be integrated with our wide-range of automation and control systems. Our control systems are produced by our European suppliers and enable us to bring the latest in German motor technology and Italian design flair.

### **Automation Options**

#### **Sun Sensors**

The sun sensor is available in two styles. The first is located inside the window or set of windows and is then connected to one of our controller units. This can be calibrated to enable the controller to instruct the motors to adjust the Vollay™ louvre systems accordingly. The second style is a sensor, which is located in the top of our wind sensor. The sensors are then connected to one of our controller units. This can be calibrated to enable the controller to instruct the motors to adjust the louvres to either open or close the motorized Vollay™ system.

#### **Wind Sensors**

The wind sensor is produced with the option of either a hard-wire option or if access is an issue, a wireless option with a range of up to 200m. Both styles then connect, in the case of the hard-wire directly or in the wireless type using an in-built receiver to one of our controller units. This can be calibrated to a wind speed, which suits the location and application to enable the controller to instruct the motors to adjust the louvres accordingly.

#### **Timers**

The option of a single or multiple timers is available to be included with the group controller to enable the opening of a single window or multiple openings at a preset time. The timer can be included with other options such as the wind and sun sensors connected to your Vollay™ system to enable optimum shading and ventilation providing an energy efficient dwelling.

## LOUVRES SOLUTIONS FOR ALL SEASONS



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### **Rain Sensors**

The rain sensor is produced with the option of either a hard-wire option or a wireless option with a range of up to 200m enabling the sensor to be located in the best location to detect early rain. Both styles then connect, in the case of the hard-wire, directly, or the wireless type using an in-built receiver to one of our controller units. This can be calibrated to enable the controller to instruct the motors to adjust the louvres to suit the situation by opening or closing the motorized Vollay™ system. The rain sensor is mainly used with our operable and retractable roofing system.

### **Group Controllers**

The motors we have developed our systems around, use a proven technology of an earth, a common neutral and two switchable actives. This system allows our complete range of motors to be integrated into either a building's BMS via a low voltage-switching relay or integrated into any or all of our control systems. When more than one motor is used due to features such as the in-built limit switches, we require a group controller to control both the motors and eliminate the electrical feedback.

Our range of group controllers offers a solution to operate up to 64 motors on one controller. This allows a series of motors to be interfaced with any of the control systems and provides the option of an affordable smart building.

Aluminium shall be extruded to Australian Standards AS 1866:1997.

Aluminum sections shall be powder coated to AS 3715-2002.

Aluminum sections shall be anodized to AS 1231-2000 and complies with corrosion resistance as per AS1580.457.1.

All fixings, bolts, screws and Pivots are manufactured from Stainless Steel.

All plastic parts are manufactured from UV resistant HDPP (High Density Polypropylene) or similar.

**Please contact our office for a complete range of CAD drawings or any further assistance.**

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