



## WC400 & WC800 'M' Series Controller with 7 segment display User Guide

*The "M" Series Roof Controller is an electronic switching unit that enhances the benefits you can enjoy from your Opening Roof. The unique design ensures easy and convenient operation of your roof and will even memorise your preferred settings. A key feature of the unit is a Rain Sensor that is mounted on the roof that will automatically close all roof banks when it starts to rain.*

*The "M" Series Roof Controller operates by use of the six buttons on the switch plate. When the buttons are pushed individually, they operate the primary functions of the unit. When two buttons are pressed together, additional secondary functions are operated.*

*You will notice that the 7segment display, shows the bank number as you step through & operate each bank of louvres.*

## **Primary Functions**

- OPEN** - This button will open the louvres of the selected bank while the button is being pushed. Releasing the button will stop the louvres in the position you desire.
- CLOSE** - This button will close the louvres of the selected bank while the button is being pushed. Releasing the button will stop the louvres in the position you desire.
- STEP** - This button will step the controls to the next bank of louvres to allow operation of that bank.
- ONE** - This button will bring the controls back to bank number one to allow operation of that bank.
- RAIN** - This button controls the rain protection system. The unit will normally be installed with the rain protection system ON which means the Decimal Point (DP) next to the number will be ON. Pushing the **RAIN** button once will turn OFF the rain protection system and the DP will go OFF. Push the **RAIN** button again and the DP will come ON and it will be in rain protection mode once again.

When the rain protection system is ON the system is "waiting" until it rains. When it starts to rain the raindrops falling onto the **Rain Sensor** (which is mounted on the roof) will cause all roof banks to close. Once it stops raining and the **Rain Sensor** has had time to dry out all roof banks will automatically open again to the preferred position for after rain.

When the **Rain Sensor** is wet the DP will BLINK and the other buttons won't operate. To use the other buttons when the **Rain Sensor** is wet, simply use the **RAIN** button to switch OFF the rain protection system. This means you can leave the roof open when it is raining if you choose (to water plants etc).

Note that in some cases the **Rain Sensor** will get sufficient moisture on it when it is not raining to cause the roof to close - such as dew.

## **Secondary Functions** *(Push & hold down buttons together)*

**AUTO+OPEN**      *Open all roof banks to the vertical position.*

**AUTO+CLOSE**      *Close all roof banks to the fully closed position.*

**ONE+STEP**      *Hold this down for 5 seconds to reboot the system*

## **Setting the Rain Preferred Position**

*This must be set as it is the position that all the roofs will open to when the rain has stopped and the rain sensor has dried.*

- 1. Press AUTO and then CLOSE. (Just a split second between the two).*
- 2. The roofs will close.*
- 3. Open roof 1 to the desired position with the OPEN button.*
- 4. Press STEP to change the active roof-to-roof 2, 3, 4 etc.*
- 5. Press OPEN to get roof 2, 3, 4 to the desired position.*
- 6. Press AUTO then RAIN (almost simultaneously). Hold down the buttons. If the controller has accepted this position, the display will flash 'A' for two seconds. If not try steps 1-6 again.*

*You can test this by wetting the rain sensor plate manually, allowing the roof to close in Rain mode, then turning off the rain mode by pressing the rain button until the red light goes off. You have set the Rain Preferred Position. Even when the power goes off the Preferred Position for Rain will remain in the memory of the Controller.*

*Note: Touchpads can be in various types - Portrait or Landscape, and be Coloured or Silver/Grey.*



### **Remote Control** (where fitted)

*If you have a remote control fitted to your opening roof, you will be able to use basic functions with the remote handset. Please see the remote control instruction leaflet that comes with the remote control unit.*

### **Smoke Sensor** (where fitted)

*When the smoke sensor detects smoke (anytime longer than 1/10th of a second) the roofs will all open to the vertical position. The red light will flash briefly every 3 seconds. The roof will remain open until OPEN or CLOSE buttons are pressed. If smoke is still detected the roof will remain open. SMOKE will over ride RAIN even in RAIN mode.*

### **Power Cuts**

*If there is a power cut, the unit will switch itself back ON after power is restored. When the power comes back on the unit will re-program itself by going through a "start-up" routine that will open and close the louvres. The unit will come back on with the rain protection mode switched ON. If rain is detected in this period the roof will close and only go through the start up sequence once the rain sensor has dried out.*

*If you have the Battery back up function in use, your system will continue to work for several days without 240V mains power.*

*Please Note: Power failures/surges & storms can damage electrical equipment.*

### **Cleaning**

*A build up of dirt or bird droppings may cause the roof to close when it is not raining. Therefore occasional cleaning of the **Rain Sensor** with soapy water is recommended. The Touchpad can be cleaned with a moist cloth but do not hose it down.*

### **Notes**

*If you have any difficulties with the controller please contact the company the unit was purchased from, if you cannot contact them feel free to contact the manufacturer through the website enquiry form at – [www.hv.com.au](http://www.hv.com.au)*

*This unit has been tested for EMC compliance to EU (it carries a CE Mark); this is only valid when the Touchpad &/or the R/C Handset are the only accessible modules to the client. All other components may only be accessible for repairs and maintenance reasons.*