



### User Guide

V1.5



#### Notes

In the event of power failure, the roof will not operate. Once power has been restored, allow the system time to power up fully – approximately ten minutes – before attempting to operate the roof. If you require technical assistance, please contact your local dealer or installer. You can also go to [www.hv.com.au](http://www.hv.com.au) for further information.

The product at issue must be installed, commissioned and maintained only by licensed and authorised people, respecting the laws concerning the automatic covers. The system is powered by 24Vdc. Before the connection to the power supply make sure that the sensors and motors are correctly connected. A faulty connection of the motors (polarity inversion) could damage them together with the connected mechanical elements. The power supply must supply the required voltage and current according to the characteristics of the system. The power supply must be compliant with IEC60950-1 and must be protected against the short-circuit and over-voltage. Use a 2x1.5mm cable to connect the motors and the control unit for length up to 6m, or 2x2.5mm cable for longer segments. **PRODUCT DISPOSAL:** at the end of this product's useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment. Hereby Teleco automation s.r.l. declares that the product complies with the essential requirements and other relevant provisions, established by the Directive 1999/5/EC. The declaration of conformity can be consulted on the web site: [www.telecoautomation.com/ce](http://www.telecoautomation.com/ce). In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice.

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#### EC2420 Controller Kit :

Operates two (2) 24V Linear motor assemblies.

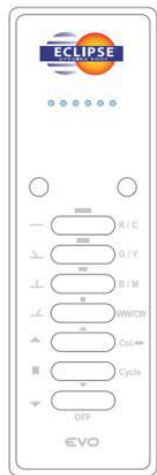
Connections available for Rain Sensor, Wind Sensor & Temperature/Snow Sensor and LED Light card.

The Linear controller system has been specifically designed to give simple control of your Eclipse Opening Roof as well as the ability to control a large array of other devices such as lighting, fans, pumps, shutters and heaters.

The multi channel remote in this kit can control an all most unlimited amount of Eclipse motors (or other devices) on one or multiple channels. This gives you the option to design your own system and control many items from one remote handset or use our [T-Mate](#) app to control them from your smart phone or tablet.

## Learning the controls – EC2421 Remote Handset

The remote handset has built in pre-set positions, the ability to adjust to any position and operate other devices well. You can attach the mounting clip to a nearby wall to keep the remote handset safe and dry. To clean the remote handset, wipe over with a soft dry cloth as required.



- Channel selector LED indicator

- Next/Previous channel selector \*\*\*

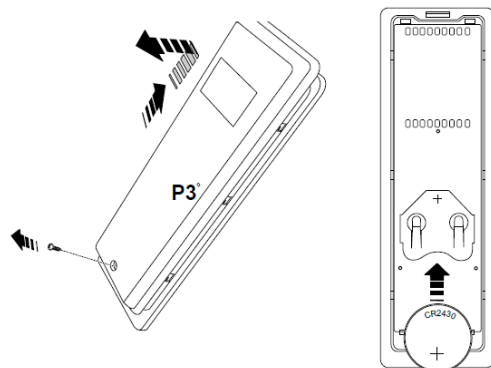
- |         |              |                        |
|---------|--------------|------------------------|
| - 0%    | Fully Closed | Or 100% ON for lights  |
| - 33%   | Open         | Or 75% ON for lights   |
| - 66%   | Open         | Or 50% ON for lights   |
| - 100%  | Open         | Or 25% ON for lights   |
| - Open  | Hold to run  | Or Dim Up for lights   |
| - Stop  | any function | Or Dim Down for lights |
| - Close | Hold to run  | Or Turn lights OFF     |

\*\*\*The channel selector buttons are only required when the remote is operating other items, such as lights, roll down blinds, fans & heaters.

## Replacing the handset battery

The remote handset has a battery in the rear of the unit. It will require replacing periodically. To replace the battery –

- Remove phillips head screw on the back of the handset.
- Slide the two cases open & apart.
- Take out old battery.
- Replacement battery is CR2430 – ensure polarity is correct.
- Refit case and screw together.



## Additional handsets

It is easy to add additional handsets for your system. Handsets come in white as standard with black being optional. Our [Bluetooth app T-Mate](#) can also operate your system from your smartphone or tablet. [T-Mate](#) also gives the benefit of daily timer operation and full scenes with one button push. Please contact your local dealer or installer for more information.



## The Rain Sensor

Your Rain Sensor face will require cleaning from time to time to ensure no dirt, salt or bird droppings have formed on the sensor. Close the louvres prior to cleaning, then gently wipe over the sensor with a damp cloth. Use the Open button to open your louvres after cleaning the sensor.

The Rain Sensor is always on. This allows you to leave your roof open to maximise the light, sun and ventilation all year round. Once the rain sensor is activated by rain (or touch) the rain sensor will close the louvres until approximately one hour after the rain sensor has dried out. At that point the louvres will be opened to 33% for the water to run off. Allow a further ten minutes before operating the roof. Use the Open or Close button firstly to ensure the roof has resumed operational status.

Deactivate the rain sensor- you can deactivate the rain sensor for 1 hour. To do this, push and hold the stop button for 10 to 12 seconds. The control box will beep when this happens. After 1 hour the rain sensor will reactivate itself and start checking for rain again. If the sensor is wet the roof will close.