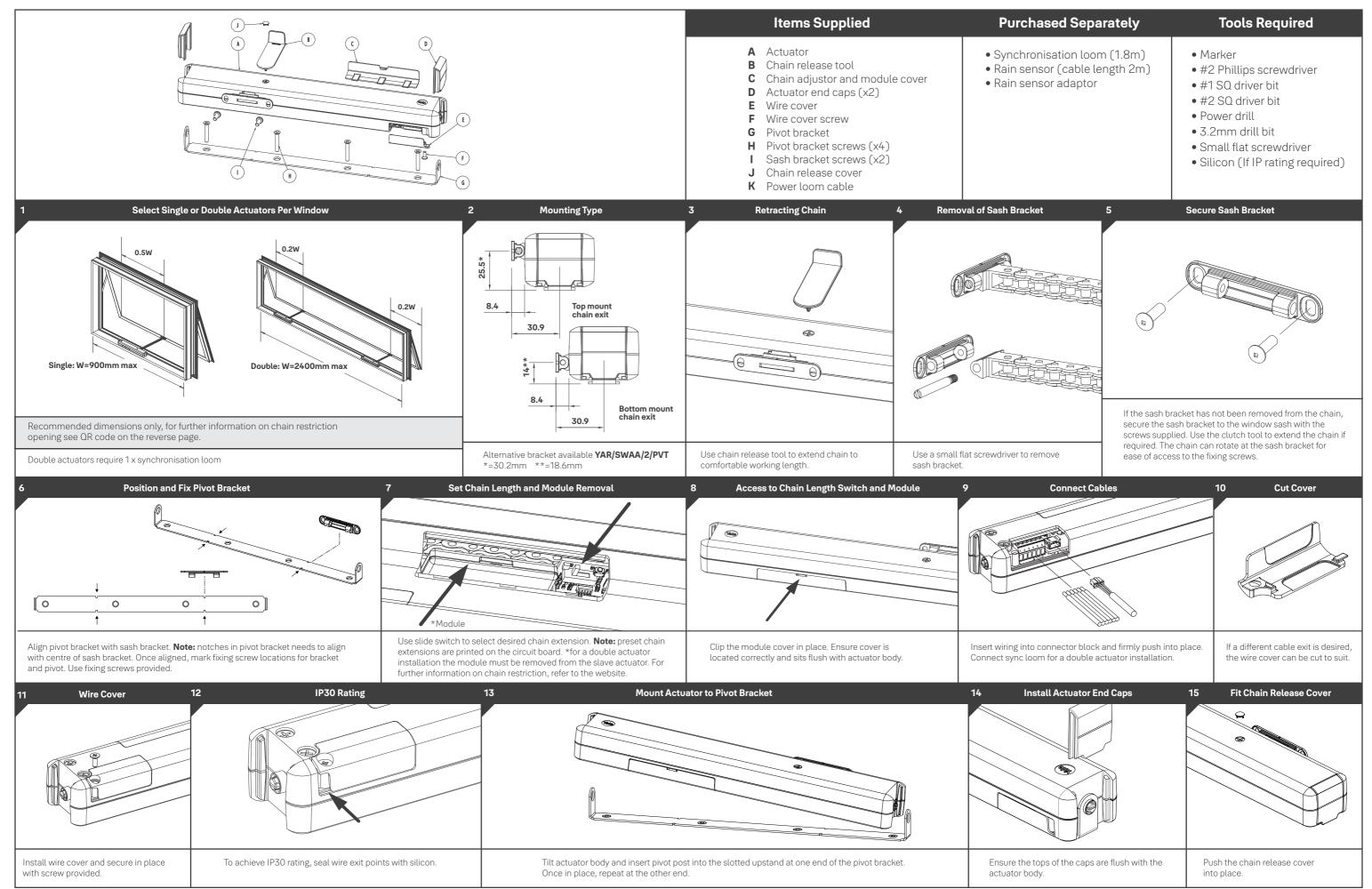
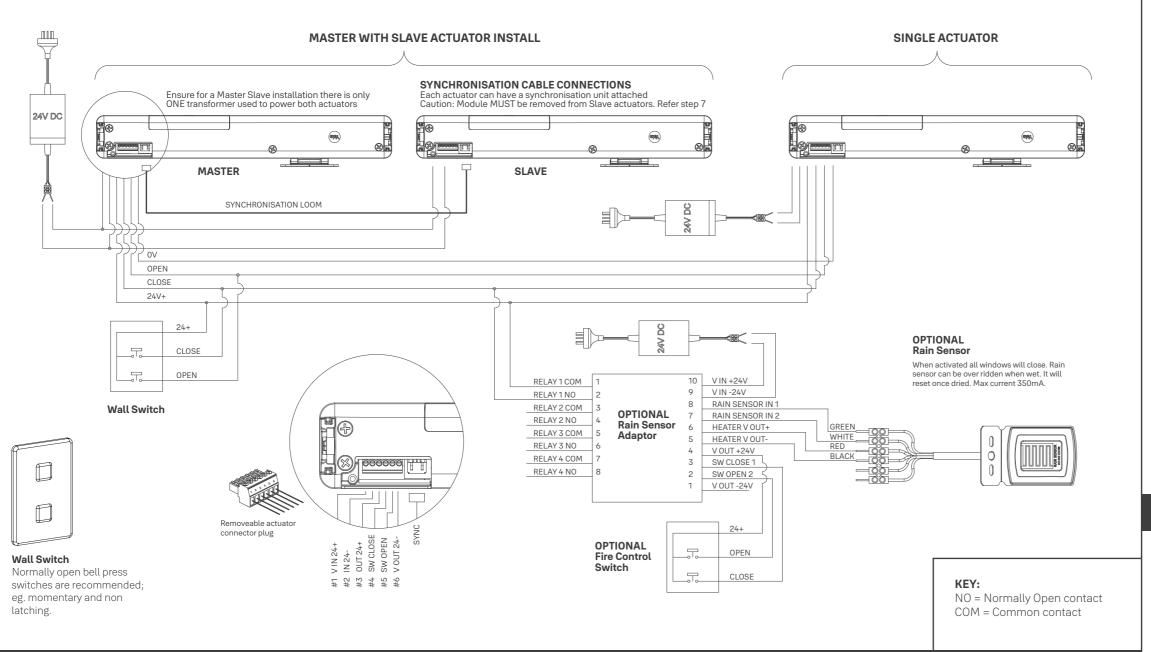
# Aeron® Window Control System - Window Actuator Installation Instructions







## WALL SWITCH CIRCUIT DIAGRAM



IMPORTANT NOTES	POWER CABLE REQUIREMENTS	LED OPERATIONAL INDICATOR	TECHNICAL SPECIFICATION

### Calibration:

The system must be calibrated before use. Power up the system, after 10 seconds press the open/close switch. The windows will open 50mm and then close. Wait at least 10 seconds once the window is closed, then operate the unit to one full open and close cycle to complete the calibration. The above calibration steps need to be performed every time the actuator/s loses power.

**Note:** If a window stops during calibration, it means that it has 'safety' stopped due to too much load. Press the close switch. Remove the obstruction. Then press the open switch to continue.

#### Wall Switch Basic Function:

Press the open switch for at least 2 seconds to open the windows. Press the close switch for at least 2 seconds to close the windows. Press any switch for at least 2 seconds to stop the windows.

	POWER CABLE REQUIREMENTS		LED OPERATIONAL INDICATOR		TECHNICAL SPECIFICATION		
	Length (m)	Wire Ø Min	AWG	LED Indicator		Input Voltage	24-32V DC
	12	0.7mm	22	LED Indicator	FO.	Maximum Current	600mA per Actuator
<u>e</u>	19	0.8mm	20			Opening Time (full ext)	Approx 30 sec
	29	1.0mm	18	Fault	LED display	Overall Dimensions	310mm x 45mm x 36mm
	47	1.3mm	16	Actuator not calibrated Obstruction detected	LED blink RED (0.1s ON 1.9s OFF) LED shines RED	Operating Temperature	0°- 50°C
	74 1.6mm	1.6mm	1.6mm 14	Voltage out of range	LED flashes RED @1Hz	Humidity	0% - 95%
		1.0111111		Motor unresponsive	LED flashes RED twice @1Hz, dwell for 1s		
	119	2.0mm	12	Slide switch not read	LED flashes RED three times @1Hz, dwell for 1s	Wall Switch Cable Length	30m Max
				Zigbee COMM	LED flashes RED four times @1Hz, dwell for 1s	Wall Switch Cable Length	SUIII Max

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- How many windows can I have in a system? Hard wired/wall switch: 10 Wireless: 30
- Can I use two actuators on one window? Yes, windows wider than 900mm must use double actuators connected by a synchronisation loom.
- Can I restrict the window opening? Yes. See Step 7 "Set Chain Length and Module Removal" on opposite page.
- How do I know which power lead goes where? Refer to wiring diagram. Note: The actuators are not polarity sensitive.
- What is the largest sash size for one actuator? We recommend a maximum sash width of 900mm for a single actuator. For other sash constraints refer to "the selector chart" available on the website.
- Can a Rain Sensor control individual windows? A rain sensor will control all the windows on the hard wired system it is connected to.
- Will my windows re-open automatically once the rain has stopped?

No. You will need to press the open button to reopen the windows.

 Can I override a Rain Sensor that has closed the windows?

Yes. However the rain sensor will not reactivate until it has dried and reset.

### **GENERAL NOTES**

- A wall switch can operate a maximum of 10 actuators per circuit. For optimal performance, AWG26 cable is recommended with 30m maximum run lengths. A maximum of 1 rain sensor and Adaptor can be connected per system.
- Smart Home Application:

"Smart Home" applications are NON-STANDARD and require particular features to operate with this system. Replace wall switch connections with two relays. Follow basic function steps to activate and control the system. Ensure activation time is at least two seconds.



