Elevation Window Control System - Window Actuator Installation Instructions











GENERAL NOTES:

NSW2 = Network Signal Wire 2. 1. A maximum of 30 Actuators per network. 2. A maximum of 4 Network Adaptors per network. 3. A maximum of 32 positions can be assigned to one network, each Actuator, and Network Adaptor **NO** = Normally Open contact. counts as a position, eg. 30 Actuators and 2 Network Adaptors can be placed on one network. 4. The network cable must be a twisted pair cable. One twisted pair for the network circuit and the othe **NC** = Normally Closed contact. for the 24VDC power circuit. **COM** = Common contact.

CALIBRATION AND BASIC FUNCTION	POWER CABLE REQUIRED			FINAL CHECKLIST	TECHNICAL SPECIFICATION	
The system must calibrate before use. Power up the system, wait	Length (m)	Wire Ø Min	AWG	Ensure:	Input Voltage	24V DC
 and close twice. Wait at least one minute before operating the system. 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. 	12	0.7mm	22	 Each plug is properly located Check that the two Network terminal resistors are installed as shown Check <i>all</i> connections again Check the dipswitches are in the correct position Check the power is turned on 	Maximum Current	750mA per Actuator
	19	0.8mm	20		Opening Time	Approx 40 sec
	29	1.0mm	18		Overall Dimensions	308mm x 44mm x 32mm
	47	1.3mm	16		Operating Temperature	0 [°] - 50 [°] C
	74	1.6mm	14		Humidity	0% - 95%
	119	2.0mm	12		Network Cable Length	300m Max



FREQUENTLY ASKED QUESTIONS

	How many items can I run on a 'network'? The 'network' can handle 32 devices. Each Actuator acts as one device, each Network Adaptor also acts as one device. The use of syncronisation of two Actuators only counts as one device.
•	• Can I use two operators on one window? Yes. The Synchronisation Loom (purchased separately) is required for two Actuators on one window.
	• Can I restrict the window opening? Yes. This is done as per step 5 (over page). Any changes to the chain opening length must be done via the chain limiter plug hole.
	How do I know which power lead should go where? The system allows for the power loom to be inserted in either terminal.
	• What is the largest sash size for one Actuator? We recommend that the maximum sash width of 900mm and maximum weight of 30kg for one Actuator. A maximum sash width of 1800mm for two Actuators. Please refer to the web-site for additional information.
	• When do I need to use pivot brackets? The use of pivot brackets is primarily with small height windows (e.g: 300mm). Please refer to the website for additional information.
•	• Can I use more than one Rain Sensor? Yes. You can use up to four Rain Sensors on the one network.
•	• Can the Rain Sensor control individual windows? No. The Rain Sensor will control all the windows on the network. This can however be achieved with a Keypad network.
	• Will all the windows close when the Rain Sensors detect rain? Yes.
	• Will my windows re-open automatically once the rain has stopped? No. You will have to press the open button to re-open the windows after the rain has stopped. However, this automatic reopen function is available on a Keypad network.
	• Can you overide a Rain Sensor that has closed the windows? Yes. However the Rain Sensor will not reactivate until it has dried and reset.
	• C - Bus Connectivity "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.
	To download simplified Elevation wiring diagrams or additional information please visit www.assaabloy.co.nz/elevation and click on the documents/downloads tab.