

WALL SWITCH CIRCUIT DIAGRAM (Note: for Keypad Circuit Diagram see Keypad fitting instructions)

are recommended; eg. momentary and non latching. HPM Part # 770XM

for use with a Wall Switch or Rain Sensor. Note: Dip switches do not require adjusting

They must all be in the left hand position as shown.

Max current 250mA. will reset once dried. be overridden when wet, it will close. Rain Sensor can

a Rain Sensor.

the network when used with

Max current 100mA.

PDL

Part # 681M20P

CLIPSAL Part # 30MBPR

GENERAL NOTES:

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 th for the 24VDC power circuit. 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 Ada

KEY:

Calibration and Basic Function:

POWER CABLE REQ:

FINAL CHECKLIST:

one minute, then press the open switch. The windows will open and close twice. Wait at least one minute before operating the system The system must calibrate before use. Power up the system, wait

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

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

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

119

2.0mm

12

74	47	29	19	12	LENGTH (m) WIRE Ø MIN
1.6mm	1.3mm	1.0mm	0.8mm	0.7mm	WIRE Ø MIN
14	16	18	20	22	AWG
Check t	• Check t	• Check	Check t shown.	Each pl	ENSURI

 Check the dipswitches are in the correct positi 	16	1.3mm	
• Check all connections again	18	1.0mm	
 Check that the two Network terminal resistors shown. 	20	0.8mm	0.5
 Each plug is properly located. 	22	0.7mm	
ENSURE:	AWG	H(m) WIRE Ø MIN AWG	H(m)

3	Э	В	3	3	Z
14	16	18	20	22	MIN AWG
Check the power is turned on	 Check the dipswitches are in the correct position 	• Check all connections again	 Check that the two Network terminal resistors are installed as shown. 	 Each plug is properly located. 	ENSURE:
HUMIDITY	OPERATING TEMPERATURE	OVERALL DIMENSIONS	OPENING TIME	MAXIMUM CURRENT	INPUT VOLTAGE

308mm x 44mm x 32r

nm

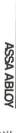
Approx 40sec

750mA Per Actuator

0°-50°C

0% - 95%

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NETWORK CABLE LENGTH

300m MAX



FREQUENTLY ASKED QUESTIONS:

device. The use of syncronisation of two Actuators only as one device, each Network Adaptor also acts as one How many items can I run on a 'network'? The 'network' can handle 32 devices. Each Actuator acts

counts as one device.

Can I use two operators on one window?

required for two Actuators on one window. Yes. The Synchronisation Loom (purchased separately) is

Can I restrict the window opening?

the chain opening length must be done via the chain limiter plug hole. Yes. This is done as per step 5 (over page). Any changes to

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? Please refer to the web-site for additional information A maximum sash width of 1800mm for two Actuators. 900mm and maximum weight of 30kg for one Actuator. We recommend that the maximum sash width of

When do I need to use pivot brackets?

windows (e.g. 300mm). Please refer to the web-site for The use of pivot brackets is primarily with small height additional information.

Can I use more than one Rain Sensor?

Yes. You can use up to four Rain Sensors on the one

Can the Rain Sensor control individual windows? network. This can however be achieved with a Keypad No. The Rain Sensor will control all the windows on the

 Will all the windows close when the Rain Sensors detect rain?

Will my windows re-open automatically once the

rain has stopped?

automatic reopen function is available on a Keypad the windows after the rain has stopped. However, this No. You will have to press the open button to re-open

Can you overide a Rain Sensor that has closed the

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

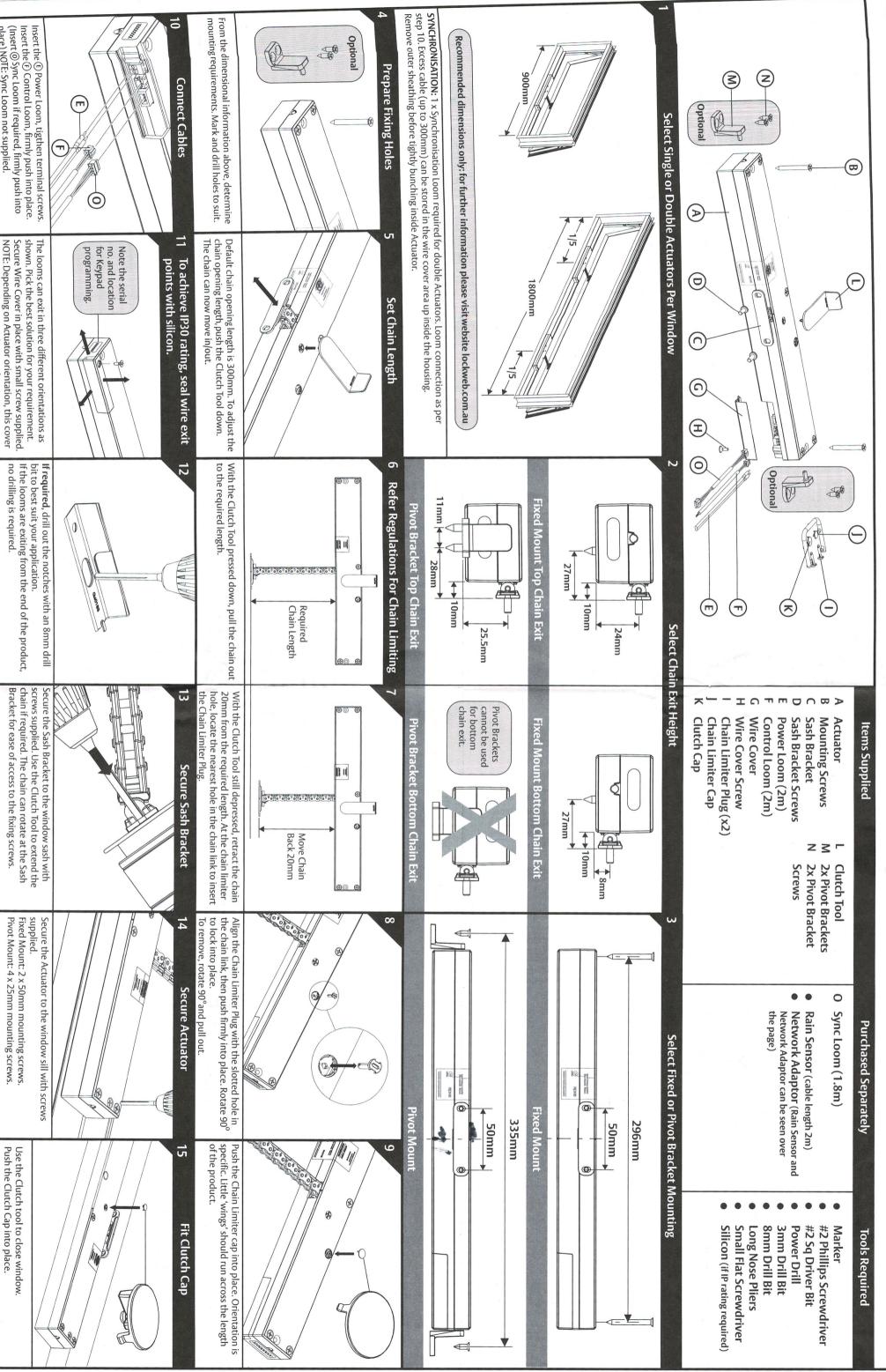
TECHNICAL SPECIFICATION:

24V DC

C - Bus Connectivity

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

Elevation Window Actuator



place) NOTE: Sync Loom not supplied

NOTE: Depending on Actuator orientation, this cover may be at the bottom and not as shown. Secure Wire Cover in place with small screw supplied

no drilling is required

Bracket for ease of access to the fixing screws.

Pivot Mount: 4 x 25mm mounting

screws.