Elevation Window Control System
Rain Sensor Installation Instructions

Important: Serial Number Label
Ensure the location of the Rain Sensor is noted in the back of the Keypad User Guide.
Adhere the spare Serial Number Label from the Network Adaptor with this noted location. This will be used for programming of the Keypad.

When connecting the Rain Sensor cable to the Network Adaptor cable, match the coloured cables.

Items Supplied
- Rain Sensor
- Mounting Bracket
- Sensor-Bracket Screws (x4)
- Wall Plugs (x2)
- Wall Mounting Screws (x2)

Tools Required
- Phillips Head Screwdriver
- Pencil
- Rule
- 6mm Masonry Drill Bit (Concrete/Brick)
- 3mm Drill Bit (Wood/Aluminium)
- Power Drill

1 Wall/Vertical Fixing

Determine fixing orientation of the Mounting Bracket. Do not install in areas where objects will cover the sensor and affect the sensitivity. e.g. Under open windows, under large eaves or under sills.

2 Sill/Horizontal Fixing

Feed the cable through the hole in the Mounting Bracket.

3 Mark and drill Mounting Bracket

Secure the Rain Sensor to the Mounting Bracket with the 4 short pan head screws supplied.

4 Drill at least 25mm deep.

Refer over page for network and power wiring details.

5 Connect to Network Adaptor

Refer over page for network and power wiring details.

6 Colour Configuration is Essential

When connecting the Rain Sensor cable to the Network Adaptor cable, match the coloured cables.

White
Green
Brown
Blue
Red
Black

7 Keypad Installation Only

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Adhere the spare Serial Number Label from the Network Adaptor with this noted location. This will be used for programming of the Keypad.

When connecting the Rain Sensor cable to the Network Adaptor cable, match the coloured cables.

Insert wall plugs (brick/concrete only). Align the mounting bracket to holes and affix using the two long pan head screws supplied.

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

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 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 other for the 24VDC power circuit.
5. Maximum network length 300m.

GENERAL NOTES:
1. Normally open bell press switches are recommended; eg. momentary and non latching.
   - HPM Part # 770XM
   - PDL Part # 681M20P
   - CLIPSAL Part # 30MBPR

2. Network dropper line 2m max.
   - WHITE
   - GREEN
   - BROWN
   - BLUE

SYNCHRONISATION CABLE CONNECTIONS:
Each Actuator can have a synchronisation unit attached. The synchronisation unit is not connected to the network and therefore will not take up a position on the network.

NETWORK ADAPTOR:
Can be placed anywhere on the network.
Note: Dip switches do not require adjusting for use with a Wall Switch or a Rain Sensor. They must all be in the left hand position as shown.
Max current 100mA.

RAIN SENSOR:
When activated all windows will close. Rain Sensor can be overridden when wet, it will reset once dried.
Max current 250mA.

Note:
A 120 Ohm terminal resistor must be placed at each end of the network.

KEY:
NSW1 = Network Signal Wire 1.
NSW2 = Network Signal Wire 2.
NO = Normally Open contact.
NC = Normally Closed contact.
COM = Common contact.

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