**Elevation Window Control System**

**Keypad Installation Instructions**

<table>
<thead>
<tr>
<th>Items Supplied</th>
<th>Tools Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Keypad</td>
<td>• Hobby Knife</td>
</tr>
<tr>
<td>• Wall Bracket</td>
<td>• Small Screwdriver</td>
</tr>
<tr>
<td>• 1m Cat 5e Cable</td>
<td>• Phillips Screwdriver</td>
</tr>
<tr>
<td>• Fixing Screws (x2)</td>
<td>• Long Nose Pliers</td>
</tr>
<tr>
<td>• Terminal Resistor Blocks (x2)</td>
<td>• Wire Strippers</td>
</tr>
</tbody>
</table>

**1.** Alternatively if mounting to a brick wall an exposed bracket can be used. Using standard mounting clip (or similar), mark out and produce cavity in wall.

**2.** Add notches at top and bottom of wall cavity to allow clearance for mounting screws. Do not oversize notches.

**3.** Secure the wall bracket in the correct orientation using the 2x mounting screws supplied. Do not over tighten.

**4.** Ferrite ring end of Cat 5e cable connects to the Keypad. Feed other end through opening in wall and connect to the network. Refer over page for power/network wiring.

**5.** Insert Cat 5e connector into the Keypad. Click into place.

**6.** To secure the Keypad push it gently into the wall bracket until it clicks into position.

**7.** To remove Keypad from wall bracket. Push down at the top of the wall bracket.

**8.** Whilst pushing down on top of the wall bracket, pull the top of the Keypad out rotating it about the bottom clip.

**9.** Refer to Keypad User Guide for set-up instructions.
**KEYPAD CIRCUIT DIAGRAM**

### RAIN SENSOR:
- Maximum of 4 per network. They can be assigned to specific zones.
- Option of close to shut or vent position. Option to re-open once the rain has stopped and the sensing circuit has dried.
- Rain Sensors can be overridden when wet; it will reset once dried.
- Max current 250mA.

### NETWORK ADAPTOR:
- Can be placed anywhere on the network when used with a Rain Sensor.
- Max current 100mA.

### KEYPAD:
- Maximum of 2 per Network.
- They can be placed anywhere on the network.
- Max current 100mA.

### 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.

### CAT 5e CABLE:
(T568B Wiring)
- 1m max long.

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### GENERAL NOTES:
1. A maximum of 30 Actuators per network.
2. A maximum of 32 positions can be assigned to one network, each Keypad, Actuator, and Network Adaptor counts as a position.
   - eg. 30 Actuators and 2 Keypads can be placed on one network.
3. The network cable must be a twisted pair cable. One twisted pair for the network circuit and the other for the 24VDC power circuit.
4. Maximum network length 300m.

### KEY:
- NSW1 = Network Signal Wire 1
- NSW2 = Network Signal Wire 2