

Genesis Control Unit

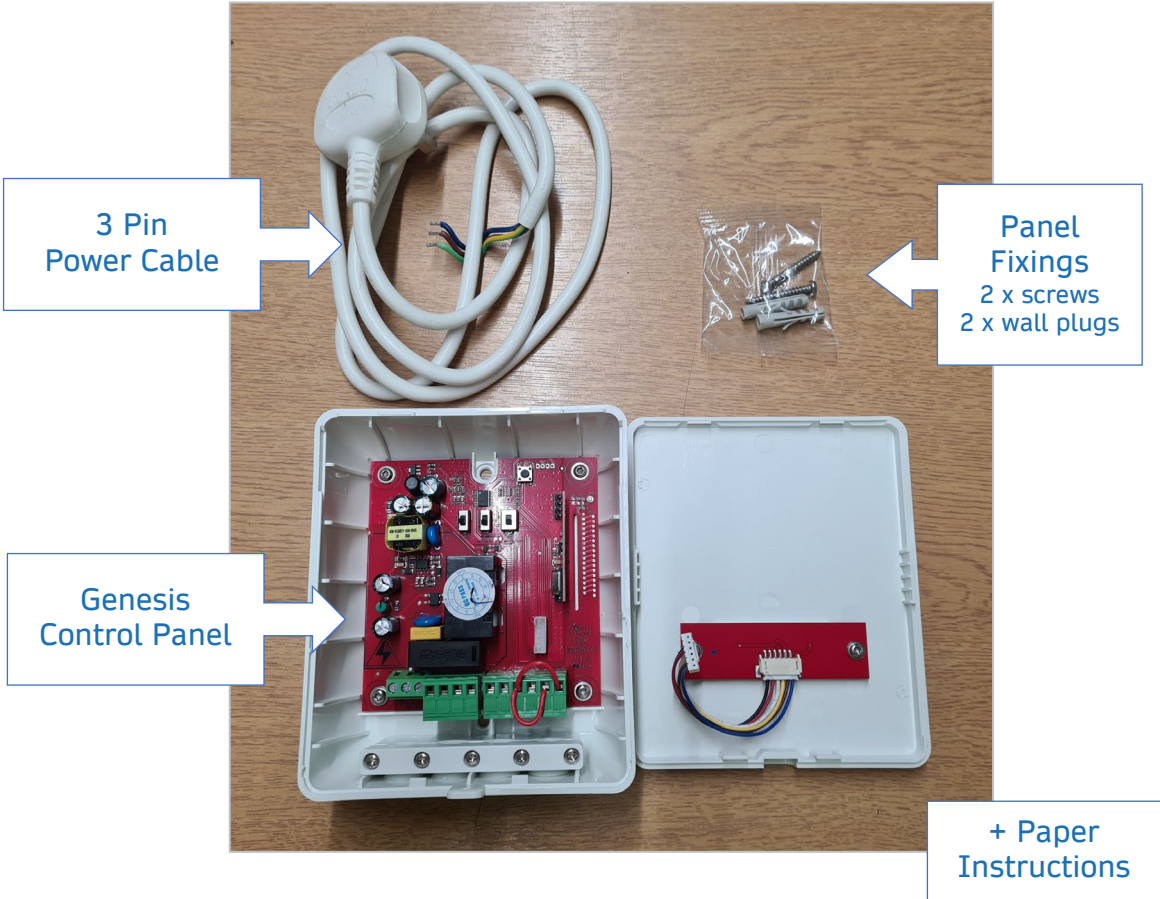
Easy Set-up Guide

Looking for a Quick Set-up Guide?

- There is lots of useful information in this guide, but if all you are after is quick set up look for the following headings:
 - Mounting the control..... **p5**
 - Wiring the power cable..... **p10**
 - Wiring the motor **p13**



What's in the Box?



Mounting the Control



Remove Genesis control panel cover by pushing the cover up.

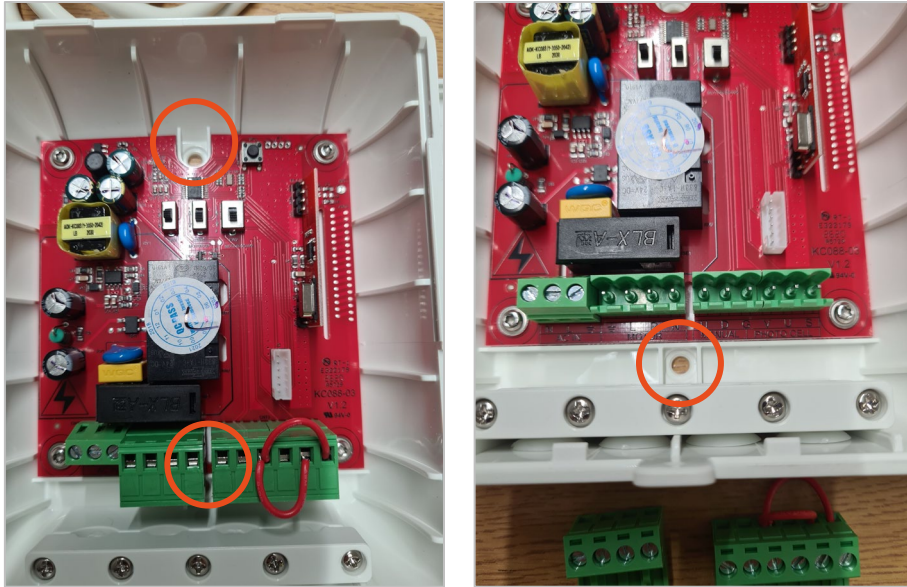
⚠ Ensure there is no fixing in the bottom holding the cover on.



Once the case can be lifted, carefully remove the wiring from the cover of the control board.

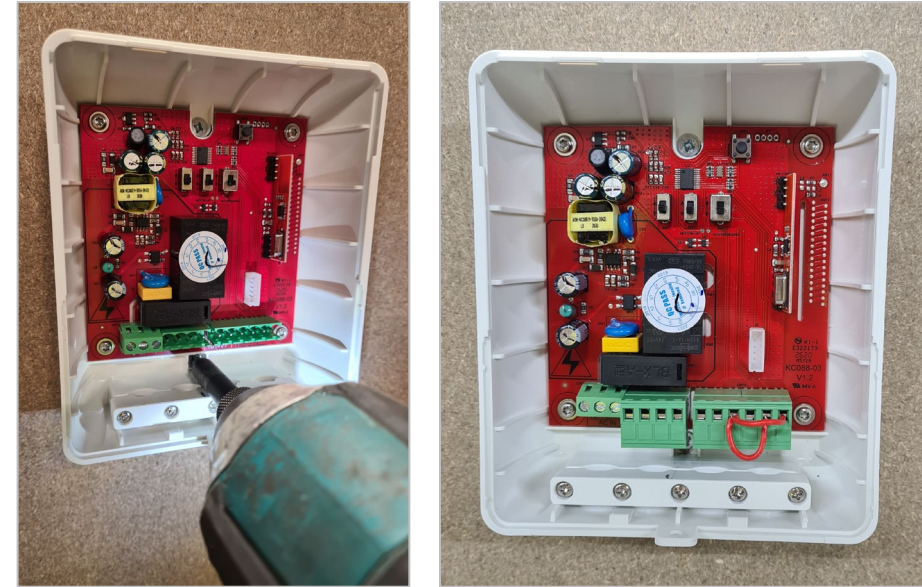
Unplug the cable from the side of the board.

Mounting the Control



Fixing locations can be found in the circled locations.

To access the bottom fixings, remove the terminal block from the circuit board by carefully pulling it out.

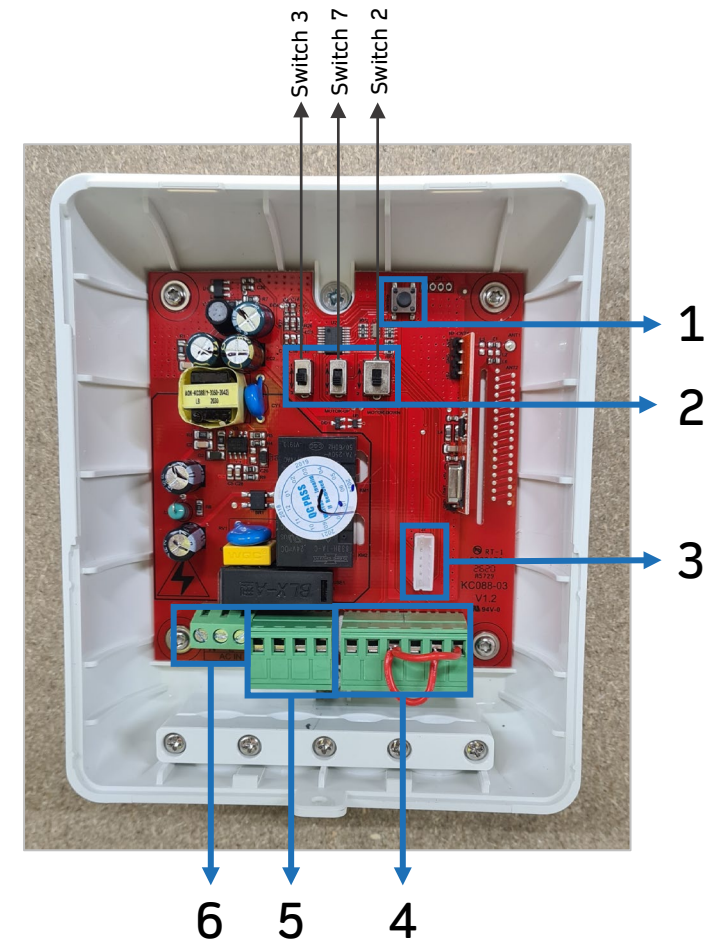


Fix the panel to the wall with the fixings supplied or any other fixing if you require.

Re-fit the terminal blocks you removed.

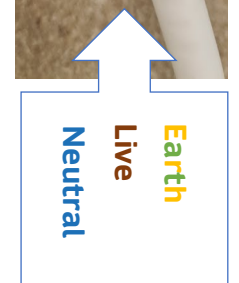
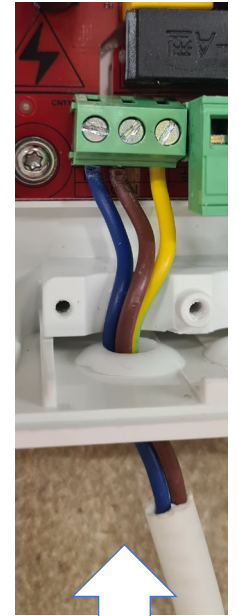
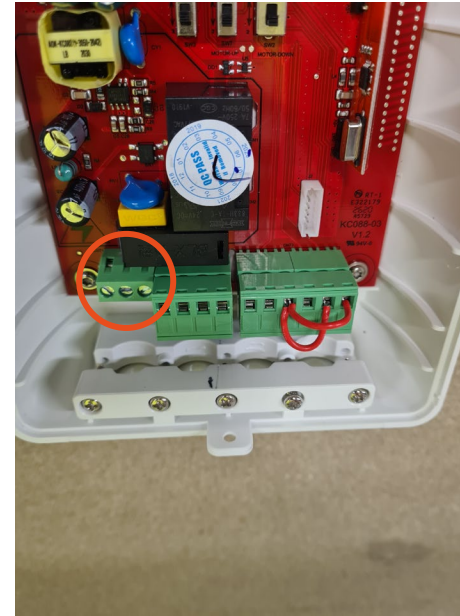
Knowing Your Way Around

1. Programming button
2. Dipswitches (Up = “on”, Down = “off”)
 - Switch 2 Reverse direction of lid buttons
 - Switch 3 Reverse direction of motor
 - Switch 7 **Must be set to “on”**
3. Control panel cover connection
4. Photocell & manual terminal block
5. Motor terminal block
6. Mains supply terminal block



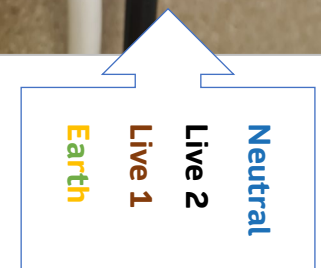
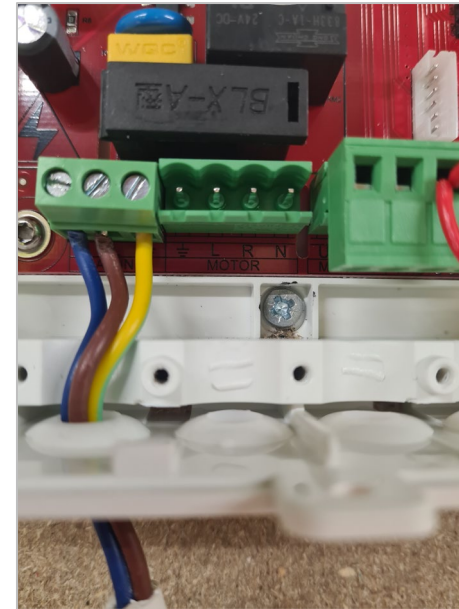
Wiring the Power Cable

- Remove the cable clamp to allow installation of the cable.
- Install the power cable into the **mains supply terminal block**.

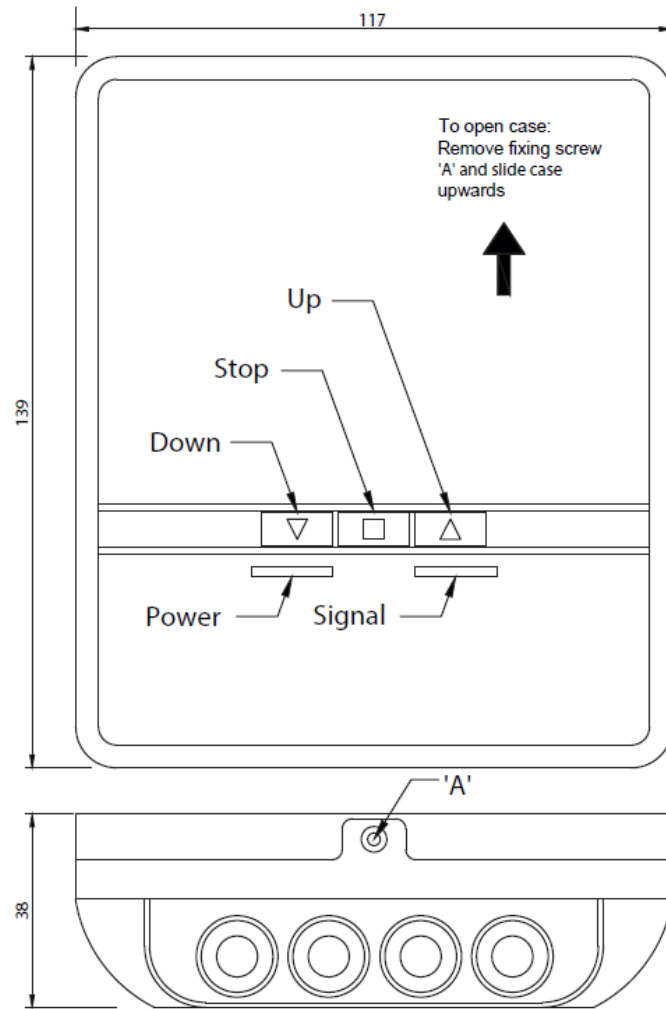


Wiring the Motor

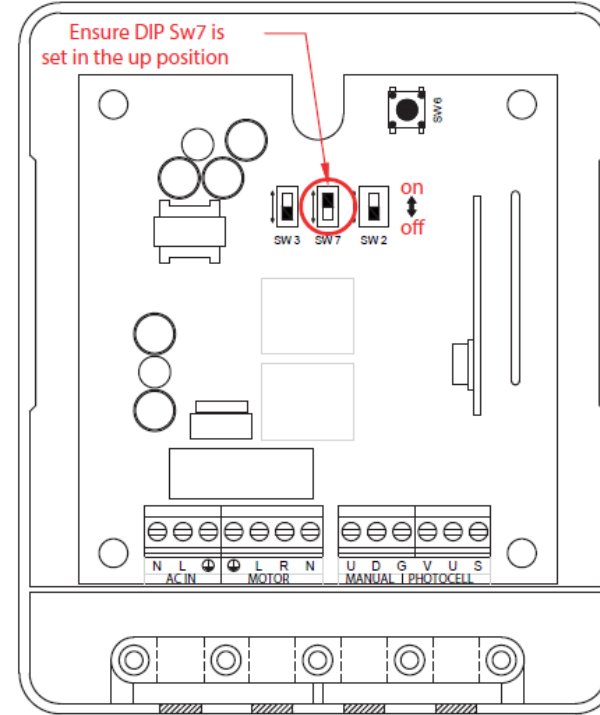
- Remove the cable clamp to allow installation of the motor power cable.
- Install the power cable into the **motor terminal block**.



Wiring Diagrams

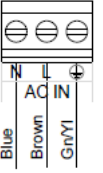
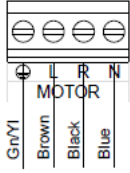
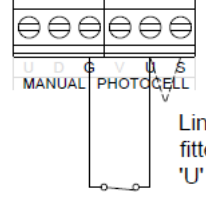
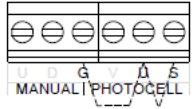
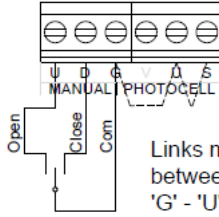
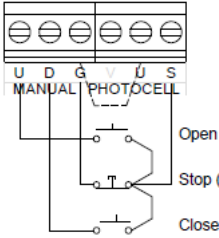
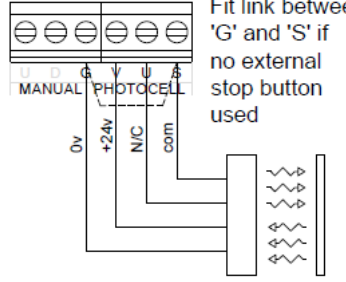


| | | |
|-----|------|----------------------------------|
| On | SW 2 | Reverse Direction of Lid Buttons |
| | SW 3 | Reverse Direction of Motor |
| Off | SW 6 | Transmitter Program Button |
| | SW 7 | On = Impulse Up / Deadman Down |



| Specification | |
|----------------------|---------------------|
| Power Supply | 200 - 240V AC, 50Hz |
| Operating Temp | -10 to + 55°C |
| Frequency | 433MHz |
| Max Transmitters | 100 |
| Transmitter Distance | >30m |
| Max Power | 500W |

Wiring Diagrams

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|-------------------------------|---|----------------------------|---|---------------------|--------------|--|---|-------------|---|------------------------|---|------------------------|---|------------------|---------------|--|---|----------------------------|---|-----------------------------|------------------|--|---|---------------------------------------|---|---------|---|------------------------------------|---|----------------------------|--|--|---|
| <p><u>Terminal Connections</u></p> <table border="1"> <tr><td colspan="2">Mains Supply</td></tr> <tr><td>N</td><td>Mains Power 230v AC (Neutral)</td></tr> <tr><td>L</td><td>Mains Power 230v AC (Live)</td></tr> <tr><td>⊕</td><td>Mains Power (Earth)</td></tr> <tr><td colspan="2">Motor</td></tr> <tr><td>⊕</td><td>Motor Earth</td></tr> <tr><td>L</td><td>Motor Direction (230V)</td></tr> <tr><td>R</td><td>Motor Direction (230V)</td></tr> <tr><td>N</td><td>Motor Common (N)</td></tr> <tr><td colspan="2">Manual</td></tr> <tr><td>U</td><td>External connection - Open</td></tr> <tr><td>D</td><td>External connection - Close</td></tr> <tr><td colspan="2">Photocell</td></tr> <tr><td>G</td><td>0V / Switch Common / Photocell Common</td></tr> <tr><td>V</td><td>+24v dc</td></tr> <tr><td>U</td><td>Photocell connection - N/C contact</td></tr> <tr><td>S</td><td>External connection - Stop</td></tr> </table> | Mains Supply | | N | Mains Power 230v AC (Neutral) | L | Mains Power 230v AC (Live) | ⊕ | Mains Power (Earth) | Motor | | ⊕ | Motor Earth | L | Motor Direction (230V) | R | Motor Direction (230V) | N | Motor Common (N) | Manual | | U | External connection - Open | D | External connection - Close | Photocell | | G | 0V / Switch Common / Photocell Common | V | +24v dc | U | Photocell connection - N/C contact | S | External connection - Stop | <p><u>Mains Supply Connection</u></p>  <p>Recommended Power Supply Protection:- 13A fused Spur or Single Pole MCB Type 'A'</p> <p>Mains Supply 230v AC 50Hz</p> | <p><u>230v Tube Motor Connection</u></p>  <p>Note This connection will supply 230v AC and is specifically for tube motor operation</p> <p>Tube Motor 230v AC 50Hz</p> | <p><u>Basic Remote Control Operation With Safety Brake</u></p>  <p>Link must be fitted between: 'U' - S as shown</p> <p>Safety Brake (N/C) Switch Connection</p> |
| Mains Supply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | Mains Power 230v AC (Neutral) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | Mains Power 230v AC (Live) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | Mains Power (Earth) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | Motor Earth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | Motor Direction (230V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | Motor Direction (230V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | Motor Common (N) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manual | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | External connection - Open | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | External connection - Close | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Photocell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | 0V / Switch Common / Photocell Common | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | +24v dc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | Photocell connection - N/C contact | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | External connection - Stop | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><u>Basic Remote Control Operation</u></p>  <p>Links must be fitted between: 'G' - 'U' - S as shown</p> | <p><u>Ext Key-Switch Connection</u></p>  <p>Fit link between 'G' and 'S'</p> <p>Links must be fitted between: 'G' - 'U' - S as shown</p> <p>External Key Switch Connection</p> | <p><u>Ext Push Button Connection</u></p>  <p>Open (N/O) Stop (N/C) Close (N/O)</p> <p>External Key Push Button Connection</p> | <p><u>24v DC Photocell Connection</u></p>  <p>Fit link between 'G' and 'S' if no external stop button used</p> <p>24v dc Reflective Photocell</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |