

RETROFIT - POWER LID SYSTEM Instructions 1 or 2 Actuators

Kit inclusions		
		
1 or 2 Actuators	1 x Cross Brace	4 button remotes (2 new kits) (1 upgrade Power kits)
		
Timber bracket hardware	Concrete bracket hardware	Cable holders
	Fixing Hardware & Installation Instructions	
Gas Struts & Stainless Steel Brackets (Super - Custom kits only)		
READ ALL DOCUMENTS THOUROUGHLY PRIOR TO COMMENCING		

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NOTE: If you have purchased or installed this unit for someone else or a customer, please leave these instructions with them.

Your comments or amendments to the instructions are welcome – 1300 722 009

Instructions

1. Spin Motor Position

If you have 400mm past the waterline the motor position can remain unchanged. Otherwise complete the following

- Remove the four bolts connecting the motor mount bracket to the gearbox
- Spin the motor to the rear of the gearbox so the motor sits closest to the wall.
- **Ensure that the motor does not hit the lid when closed. (adjust/lower if necessary)**



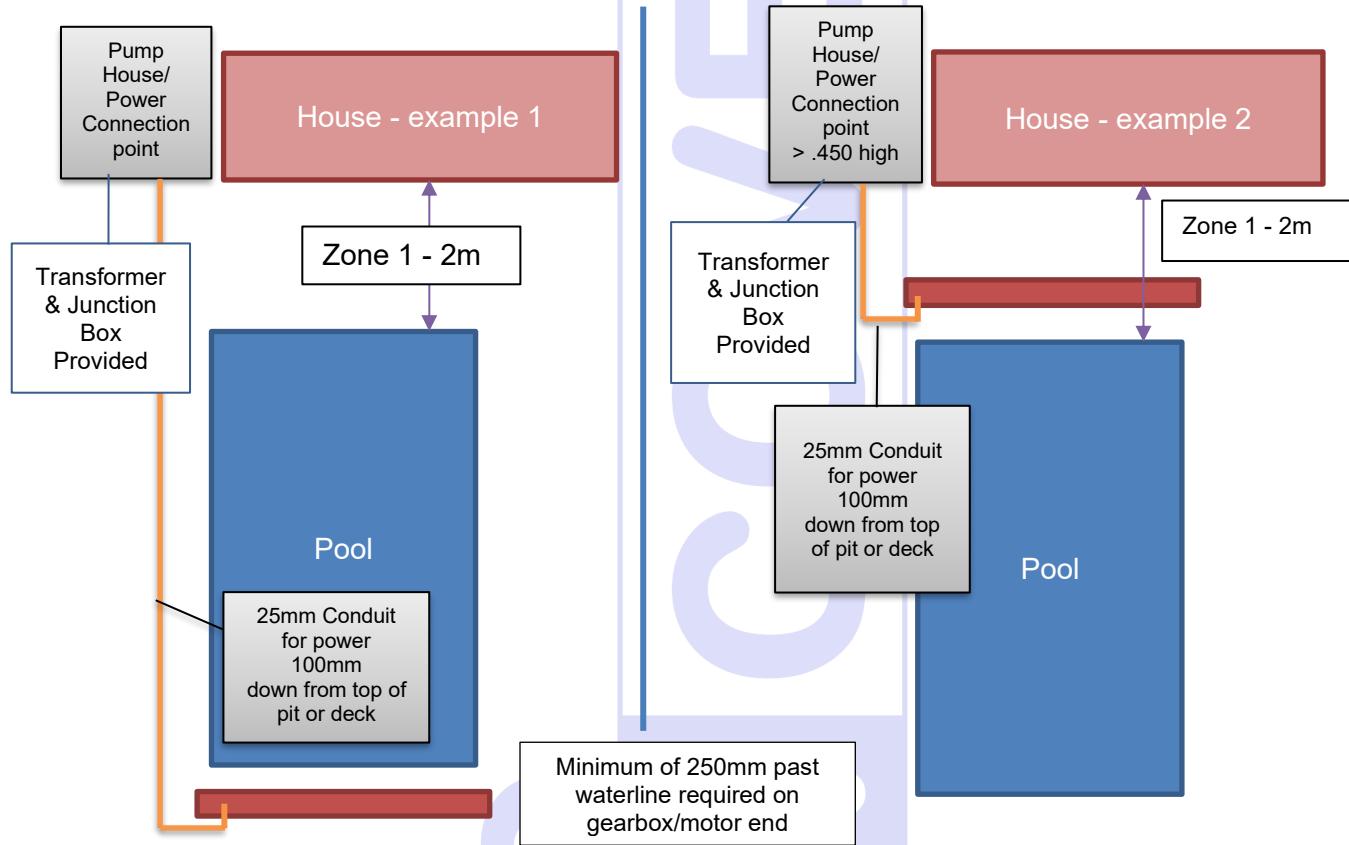
2 Actuator kits - Both actuators are pre-connected to the cable that will run along the lid frame. Power from the transformer junction box will connect into the top of the T connector.

1 Actuator kits – you will have a straight connector bring power from the transformer.

2. Manual kit with Power Lid System

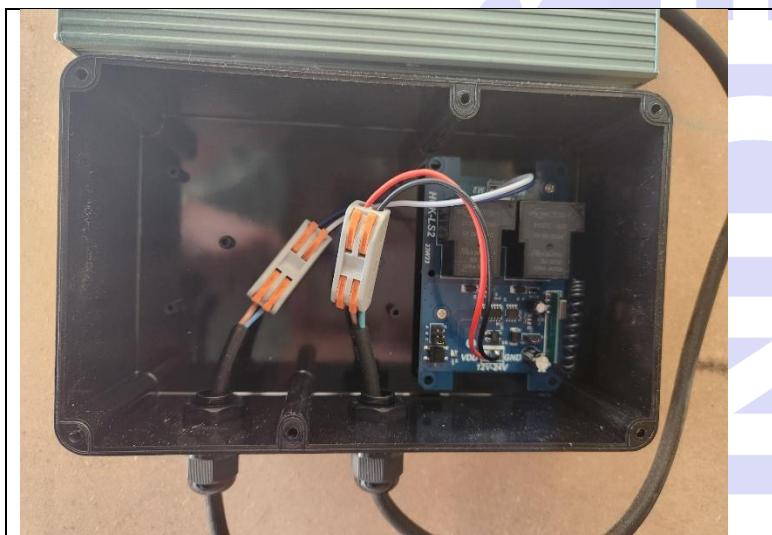
Ideally the transformer is located with your pool equipment. Other than an appropriate power point, an electrician is NOT required for installation.

25mm to 40mm conduit is required into the pit to the end where the power gearbox will be installed, down 100mm from top of deck or tile/paver level. The power gearbox is a 24V system and can be installed at either end. Wire (5m) and connections are provided in the kit as standard.

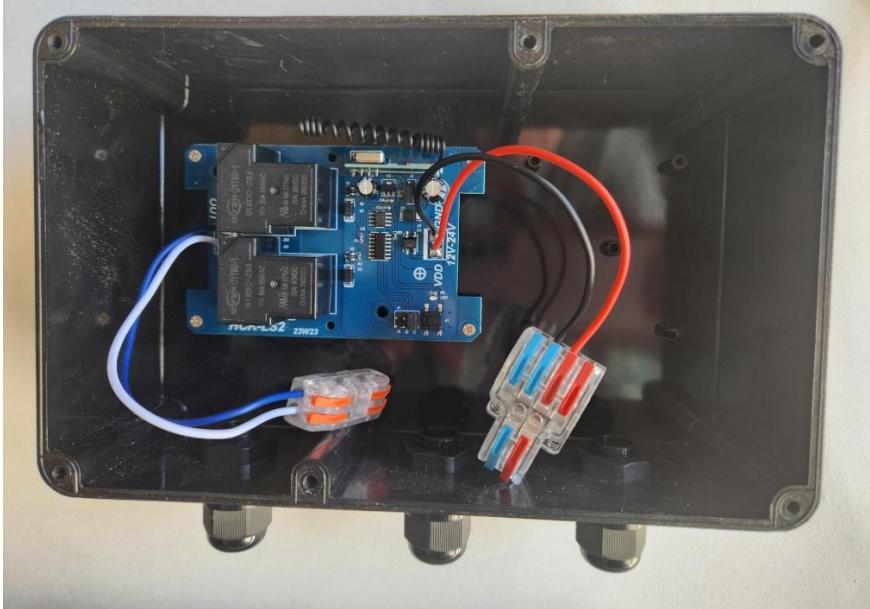


- Install the Transformer and junction box in the pool equipment area
- Run a conduit from the equipment area to one end of the pit. **(jump to point 4)**

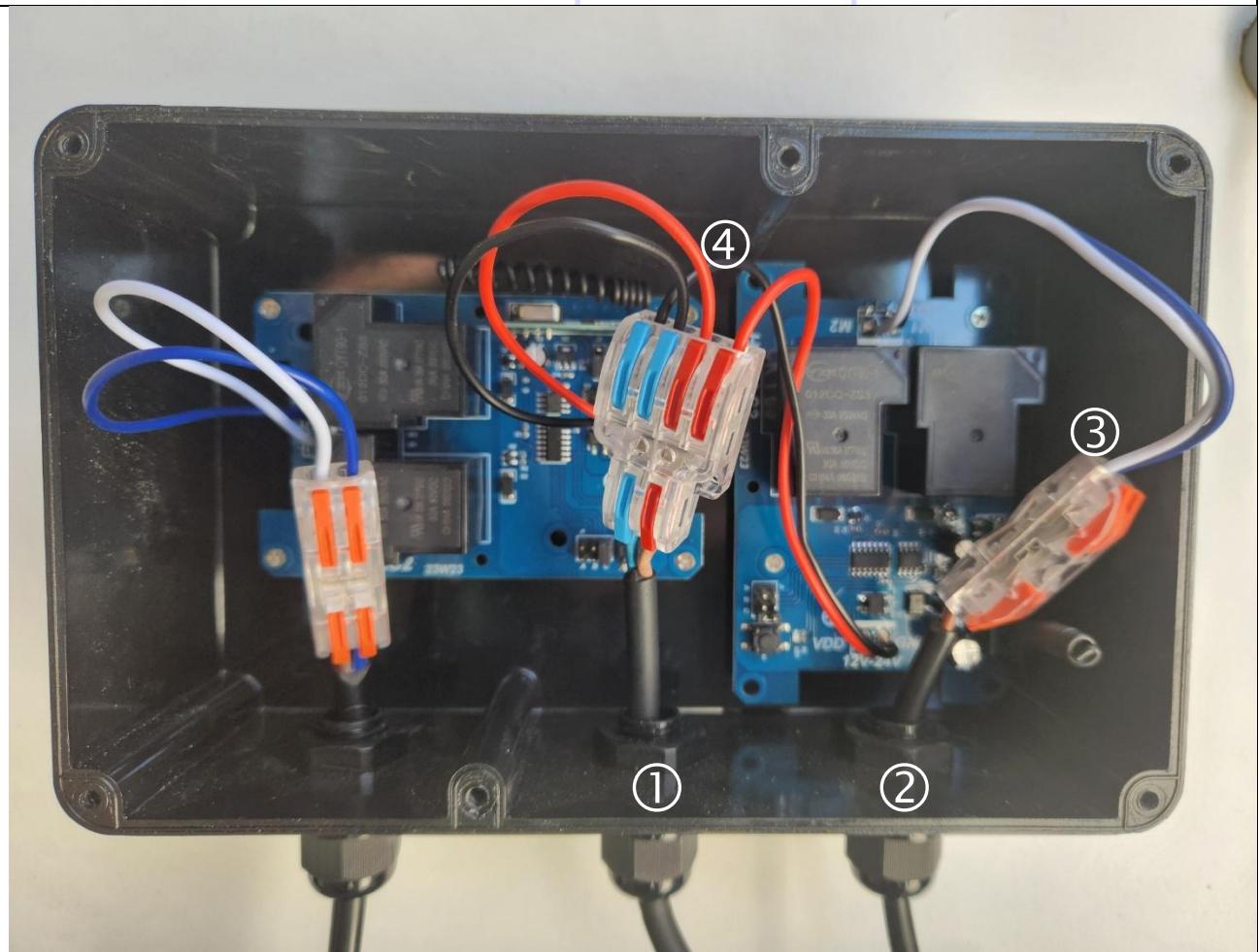
3. Existing Power 21 to Power Lid System



- Turn the power OFF
- Open the junction box
- Disconnect the wires
- Unscrew and remove the Transmitter/Receiver and transfer this board to the new junction box provided.



1. Using the cable from the Transformer, feed this through the **centre** cable gland and connect to the 2-4 pin quick connector
2. Push the gearbox motor cable through the **right** cable gland
3. Using a 2-2 quick connector (from the old box) connect the white and blue wires to the brown and blue wires of the gearbox motor
4. Connect the Red and Black wire to the 4-pin connector **Red to Red and Black to Blue**



Actuator Transmitter/Receiver (LEFT)

Motor Transmitter/Receiver (Right)

4. Power Cable

- Unpack the actuators and place them near the pit.
- Run the provided cable through conduit from the transformer junction box into the pit and connect to the T Connector (**Red Arrow**).
- **Single actuator kits will have a straight connector.**
- Turn the power on and open the actuators to their fullest extension.

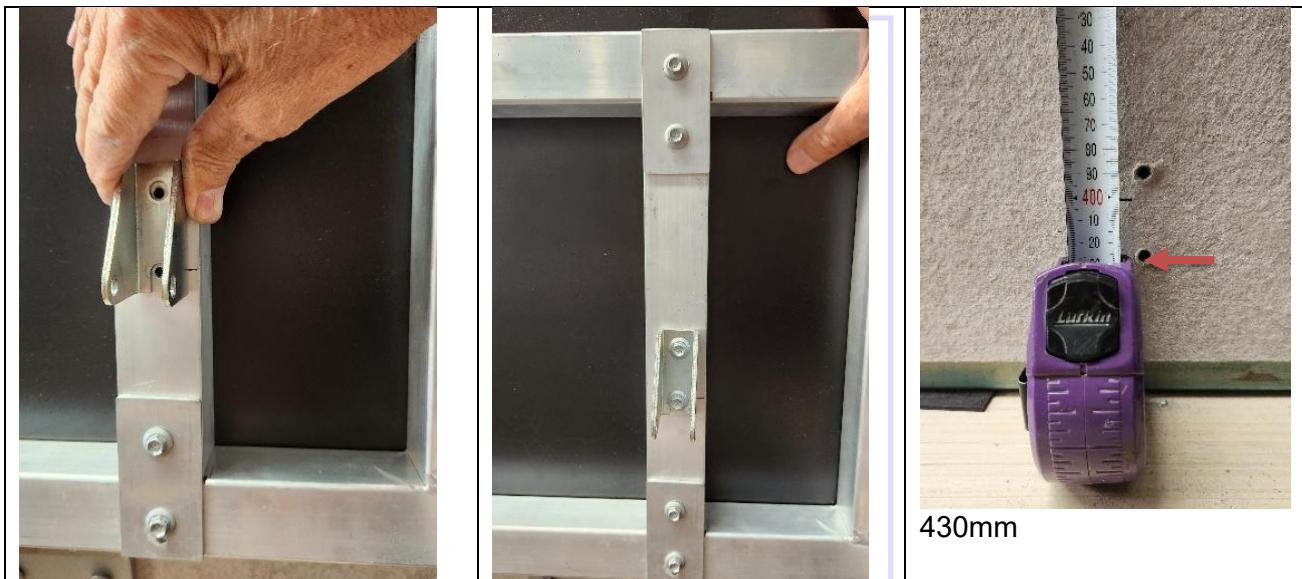


5. Removing Gas Struts

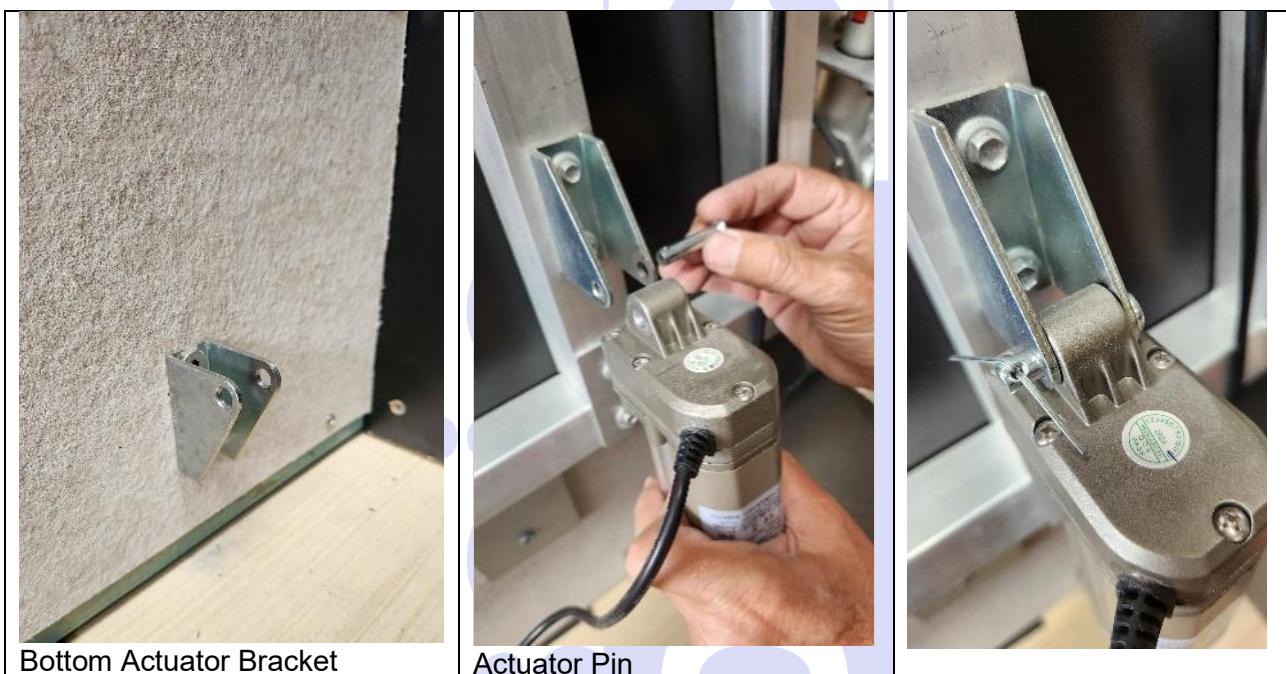
- Remove the 525mm Outside gas strut only.
- Struts running down the rear wall can remain until the actuators are in place.

6. Installing the Actuator(s) (1 or 2)





- Measure and mark 140mm from the outside edge of the lid frame.
- Screw into place.
- Measure and mark 140mm up from the hinge side of the lid frame.
- This is the position of the first hole. Place the bracket and mark the second hole.
- Drill both holes and attach the bracket, pin side down as shown.



- Measure and mark 430mm down the back wall from the finished level of the pit, **directly underneath the cross-brace and other top bracket**.
- This is the position of the bottom hole.
- Place the bracket and mark the top-hole position
- Drill both holes and attach the bracket in place, pin side up as shown.

HINT: measure in from the side wall to make sure both brackets are aligned.



- Using the actuator pin and split pin, attach the actuator to the top bracket
- Insert the actuator pin and split pin into the bottom bracket.
- Place bottom of the actuator onto the bottom pin.

Install the second Actuator (if applicable) on the outside edge of the lid frame.

- Install the actuator brackets as previously described.
- Insert the 8mm pin and split pin into the bottom bracket.
- Place the bottom of the second actuator onto the bottom bracket pin.
- Set the top of the second actuator into the top bracket and insert the pin and split pin. You may need to slightly flex the lid frame to insert the pin.
- You can now safely remove the gas struts, if required.
- 10 cable clips are provided to run the cable neatly along the lid frame. Alternatively, drill through all cross braces and feed the cable through. (minimum 9mm holes)



- ENSURE YOU TEST THE OPEN AND CLOSE OF THE ACTUATORS SEVERAL TIMES BEFORE THE FINISH TREATMENT IS APPLIED TO THE LID FRAME.
- IF THE ACTUATORS COME OFF THE BOTTOM BRACKETS WHEN CLOSED, ADJUST THE BOTTOM BRACKET(S) UP 10MM OR THE TOP BRACKET(S) DOWN 10MM
- TEST AGAIN!
- ENSURE THE LID SITS LEVEL ON THE LID BLOCKS AND IS THE SAME HEIGHT ALONG THE LENGTH OF THE PIT.



7. Gas Struts – Single Actuator kits and Super to CustomPlus kits

In some cases, you will have gas struts as well as actuators, for example on Super to CustomPlus Lid systems.

Actuators can only be positioned on the outside of the frames, therefore gas struts are used to stabilise the inside edge of a two-lid system.

On a retrofit installation you will already have gas struts on the inside of each lid frame. The strength of these may need to be lowered if necessary.

Refer to standard instructions for installation of the 455mm gas struts running down the back wall

8. Operation

- Press and hold Button B to close the lid frame.
- Release as soon as the lid is closed
- Press and hold Button A to open the lid frame
- Release as soon as the lid is open.

2 Button Remote (manual roller system with Power Lid)

A & B open and close the actuators

4 Button Remote (Power system with Power Lid)

A & B open and close the actuators

C & D operate the pool cover motor

The existing 2 button remotes will still operate the gearbox/motor on the pool cover.

9. Safety

- Please ensure that no body parts are within the opening when closing the lid. The lid is heavy, and all care should be taken.
- When closing the lid ensure that the handle sits flush to the surface.
- If adjusting the actuators, first open the lid frame using the remote and chock the lid open before removing or adjusting the actuator and or brackets.
- Turn off the power.

The lid should not be opened or closed by children.

10. Maintenance and Trouble shooting



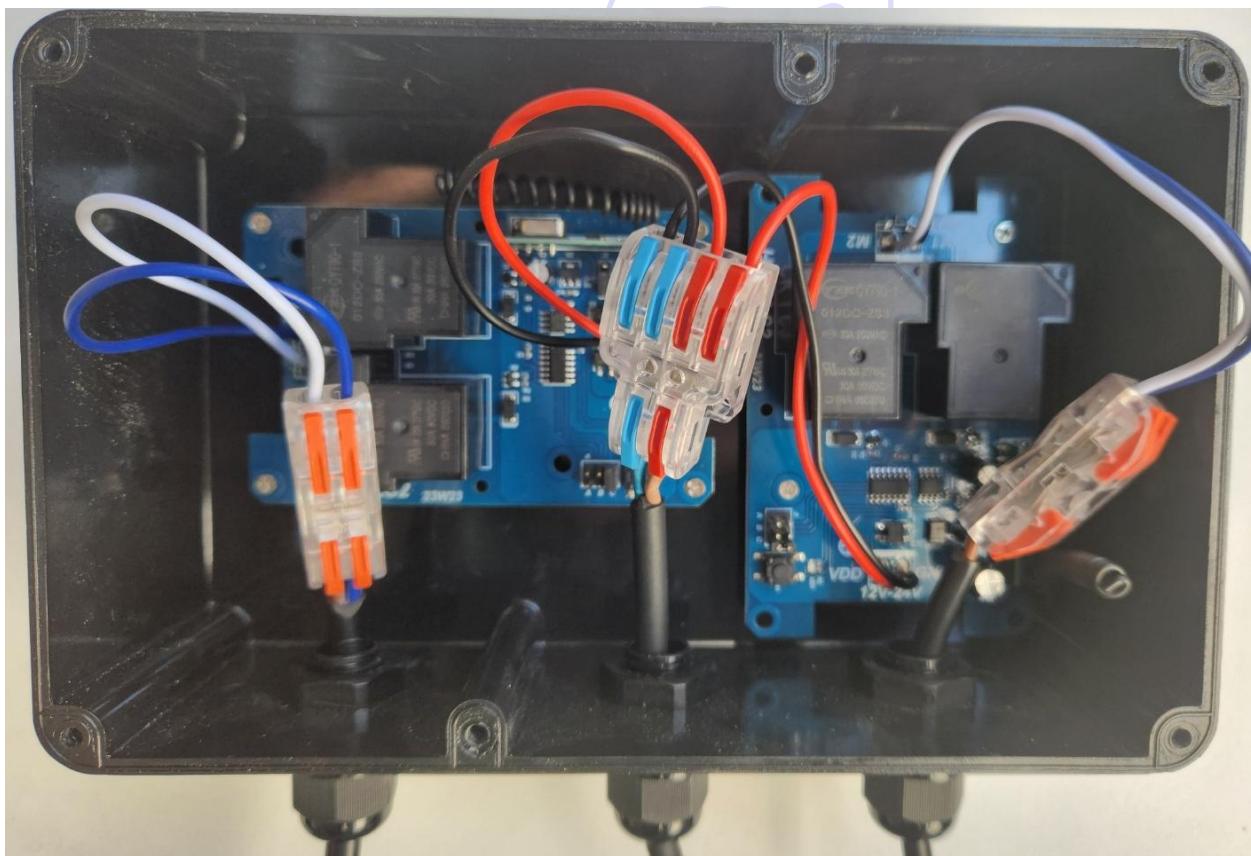
- Wipe over all surfaces to remove water regularly.
- Spray surfaces of the gearbox/motor, handle, latch, both sides of hinges (including the rivets connected to the frame and hinge plates), and turning ends of the tube assembly, together with the gas strut ends and barrels, plus the actuators and brackets (if applicable), with Inox or similar (non-water-based product) product every 3-4 months to ensure smooth movement and avoid surface corrosion, especially following periods of rain.

- When closing the lid ensure the handle is flush with the ground. Clean and spray as required.
- Check and tighten any loose screws.

If any corrosion does appear, clean with a scouring pad removing any surface rust, and recoat with spray.

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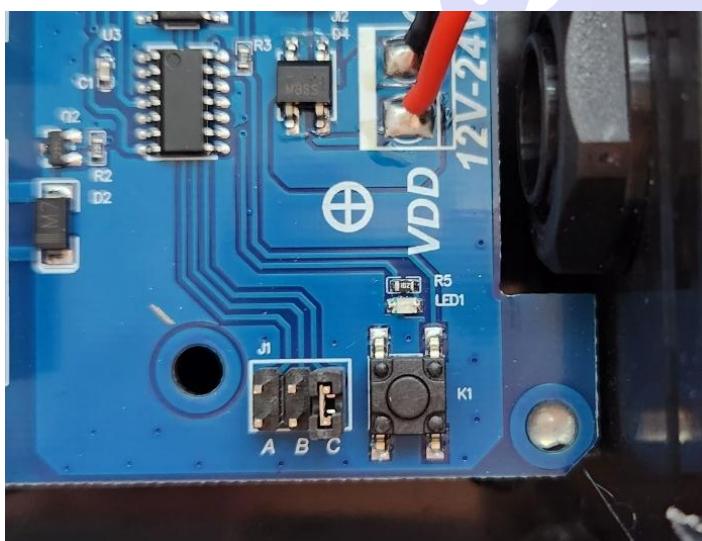
11. Re-Pairing Actuator Remotes (4 button remote)



Actuator Transmitter/Receiver (LEFT)

Motor Transmitter/Receiver (Right)

1. Ensure the dip switch is in the C position. (Circled in green)
2. Press and hold the program button (circled in blue) until the blue light goes out (circled in yellow). This could take 10-15 seconds. **THIS CLEARS THE MEMORY.**
3. Press the program button **once** and release (circled in blue)
4. The receiver light will flash slowly (circled in yellow)
5. Press Button **A** on the remote and release
6. The receiver will flash rapidly then stop - A is programmed.
7. Press the program button **twice** and release (circled in blue)
8. The receiver light will flash slowly (circled in yellow)
9. Press Button **B** on the remote and release
10. The receiver will flash rapidly then stop - B is programmed.



**Buttons C & D and the 2ND REMOTE
Repeat steps 3-10**

DO NOT CLEAR THE MEMORY