

Installing ABVMSA AA batteries

If your ABVMSA leak detecting controller LED 1+2 are flashing, or the ball valve is closed and will not open then the batteries need replacing.

You will need x quality AA batteries, clean flat surface and small Phillips H1 screwdriver.

1. Disconnect controller from ball valve by unscrewing (anti-clockwise) the electrical connector from the cable.



2. Note that the plug ends will only fit back together one way.



3. Pick up the control unit and place on a flat surface, hold upside down, whilst pressing the back down and remove the 4 small screws with Phillips H1 screwdriver.

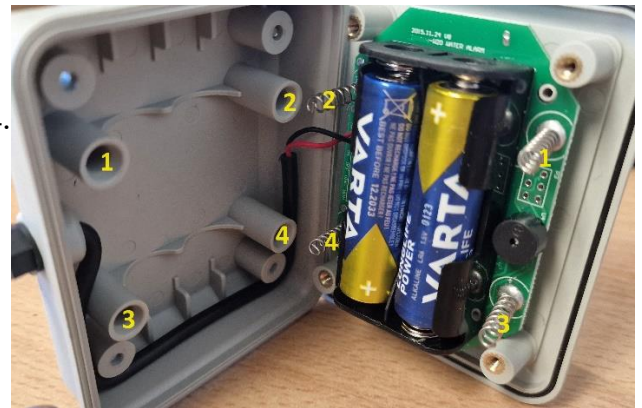


4. Open the controller carefully, do not pull apart as there are two small wires connecting the base and circuit board. (see yellow arrow)



5. Replace the two AA batteries with good quality long lasting lithium batteries. (Battery -ve against spring).

6. Keeping the controller face / buttons down, carefully lift the base (with screws) and hold over the battery unit, making sure the four springs align with the four holes 1-2-3-4.



7. When the four springs are located inside the sensor holes, carefully press the control panel together. If the unit refuses to press back together easily, recheck the springs are located correctly before trying again.
8. Keeping the unit pressed together, replace the 4 screws and tighten carefully before releasing pressure on the unit.
9. Reconnect the controller to the ball valve, pay attention the plug only fits one way.
10. Press power ON/OFF, power ON LED and valve Closed (LED) should light up. Pressure Valve Open Button.
11. Relace the controller back on the floor at the lowest flat point where water leaks need to be monitored.

Basic Controller Instructions:

Press power ON/OFF button, power ON LED (1) and Valve Closed LED (3) will light up. Press Valve Open (middle) button, LED (2) Green will flash whilst the valve is opening. LED's 1+2+3 will flash when valve open and system in leak detecting mode.