Marsh Industries MAHLAPS Installation Guide

ExVeritas

1 **Certificate of Test**

2	**Certificate Number:**	ExVeritas 23TEST1625	Issue: 0
3	**Equipment:**	Enclosure with beacon	
4	**Manufacturer:**	Marsh Industries	
5	**Address:**	Marsh Industires Unit 3-13 Addington Park Industrial Estate Little Addington Kettering NN14 4AS	
6	**Test Date:**	25th April – 18th May 2023	
7	**Standard:**	BS EN 60529:1992 +A2:2013	
8	**Project Number:**	EXV4580	

9 **This certificate refers to the performance of the test sample only. It does not imply that any other samples or products necessarily comply with the requirements of the test programme.**

10 The testing was performed under ExVeritas UKAS EN17025 accreditation.

11 Ingress Protection Coding: **IP65**

12 **Special Conditions Installation:** All cable entries and fittings shall be selected to maintain the stated level of ingress protection

UKAS TESTING No. 8613

On behalf of ExVeritas

J Draper
Laboratory Manager
18th May 2023

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This alarm must be installed and maintained by a suitably qualified electrician in accordance with current legislation.

Please read this complete document before installation or maintenance.

The alarm has been tested to IP65 and must be connected to a suitably protected and fused circuit to protect from electrical shock.

The panel access key should always be removed when not in use for maintenance.

Please ensure that this document remains with the maintainer and householder as appropriate.

For service and support, contact Marsh Industries on 01933 654582.

MARSH

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About your alarm.

The MAHLAPS alarm will activate the beacon and sounder if there is a loss of power to the alarm, compressor pressure is lost or the float switch indicates a high level. The button switch inside the panel door can silence the sounder but while there is an alarm condition, the beacon will continue to flash until power is restored, compressor pressure returns or the high level is rectified.

MAHLAPS has LED indicators on the circuit board to assist installation and maintenance. They indicate mains power present, UPS (battery healthy), power failure.

The LED, visible inside the panel window, indicates mains power to the alarm.

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Using the key provided, unlock the panel door and press the two door latches and open the door.

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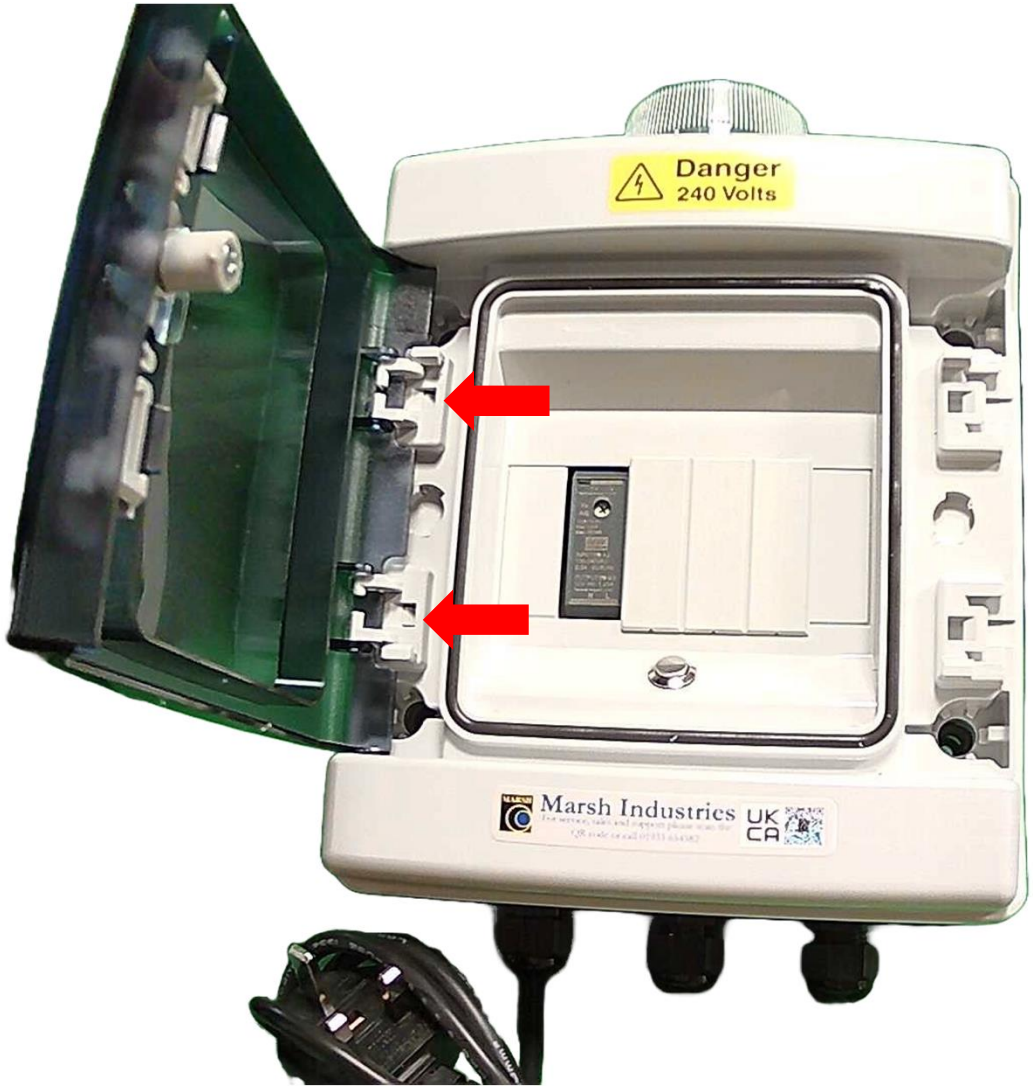

For ease of installation, remove the panel door using a screwdriver or similar in the hinge slots, moving the hinge out of the enclosure.

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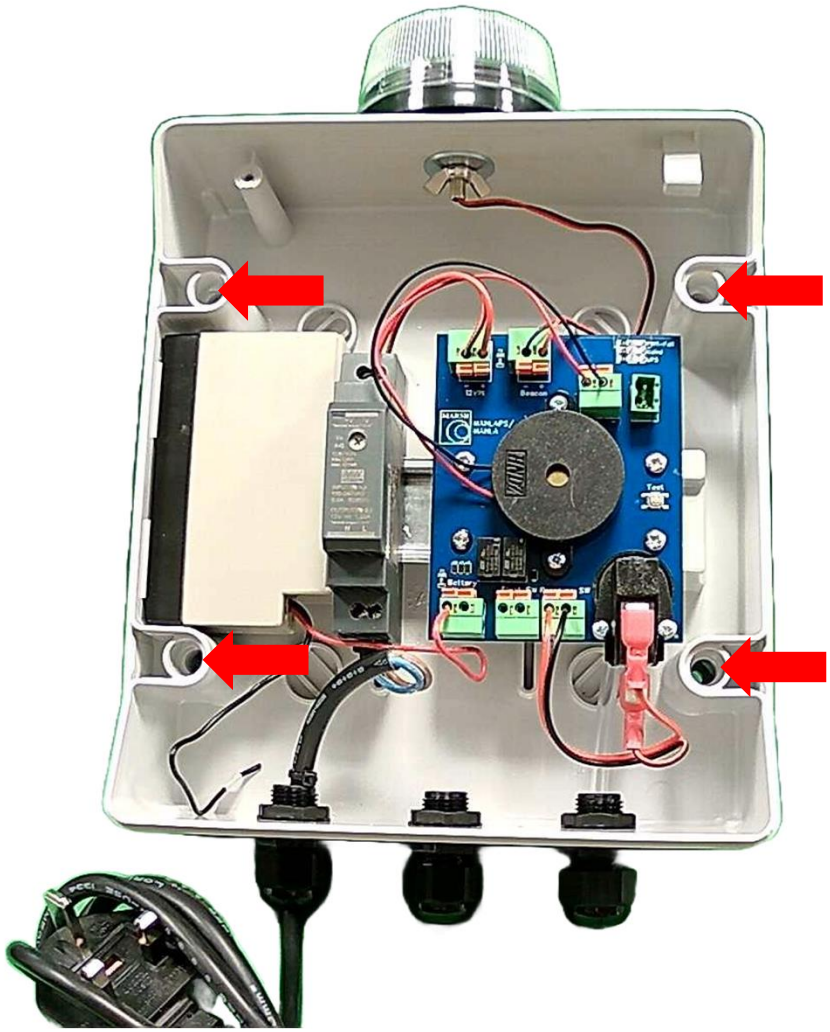

Fasten the enclosure to a wall with suitable fixings(not supplied) using the pass-throughs indicated.

Be careful not to distort the enclosure by over tightening or fastening to an uneven surface.

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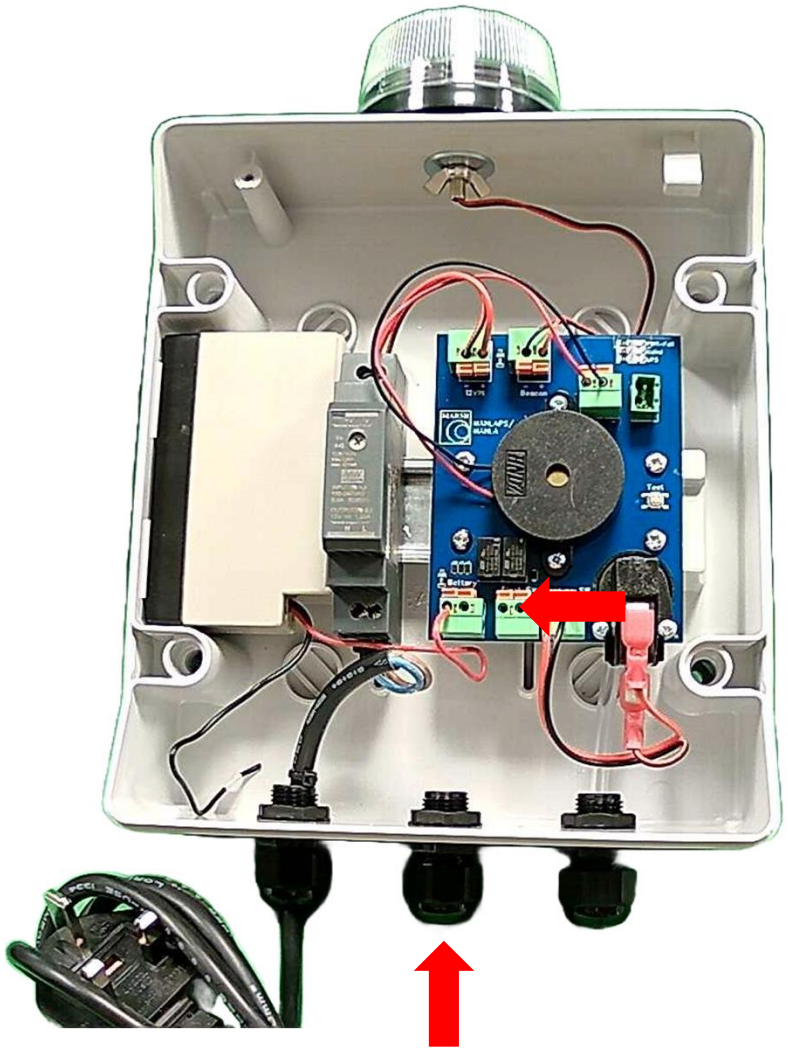

Connect the float switch to the circuit board, entering through the middle gland. Tighten the gland.

These are normally black and brown wires, normally open switch. Connections are not polarity sensitive so can be wired to either of the connectors.

The blue float switch core can be cut off. It is not used.

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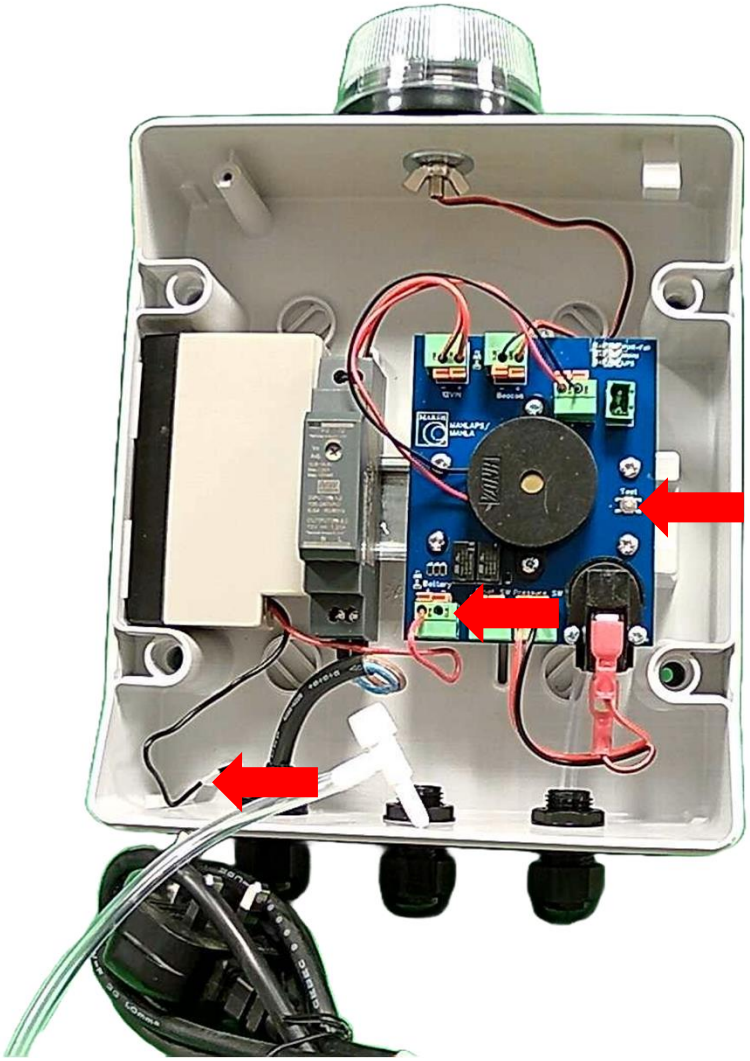

Remove the cable insulation from the end of the black battery wire and connect the wire to the circuit board by pressing down the orange tab to open the connection point.
Press the test button on the circuit board to test the sounder and beacon.

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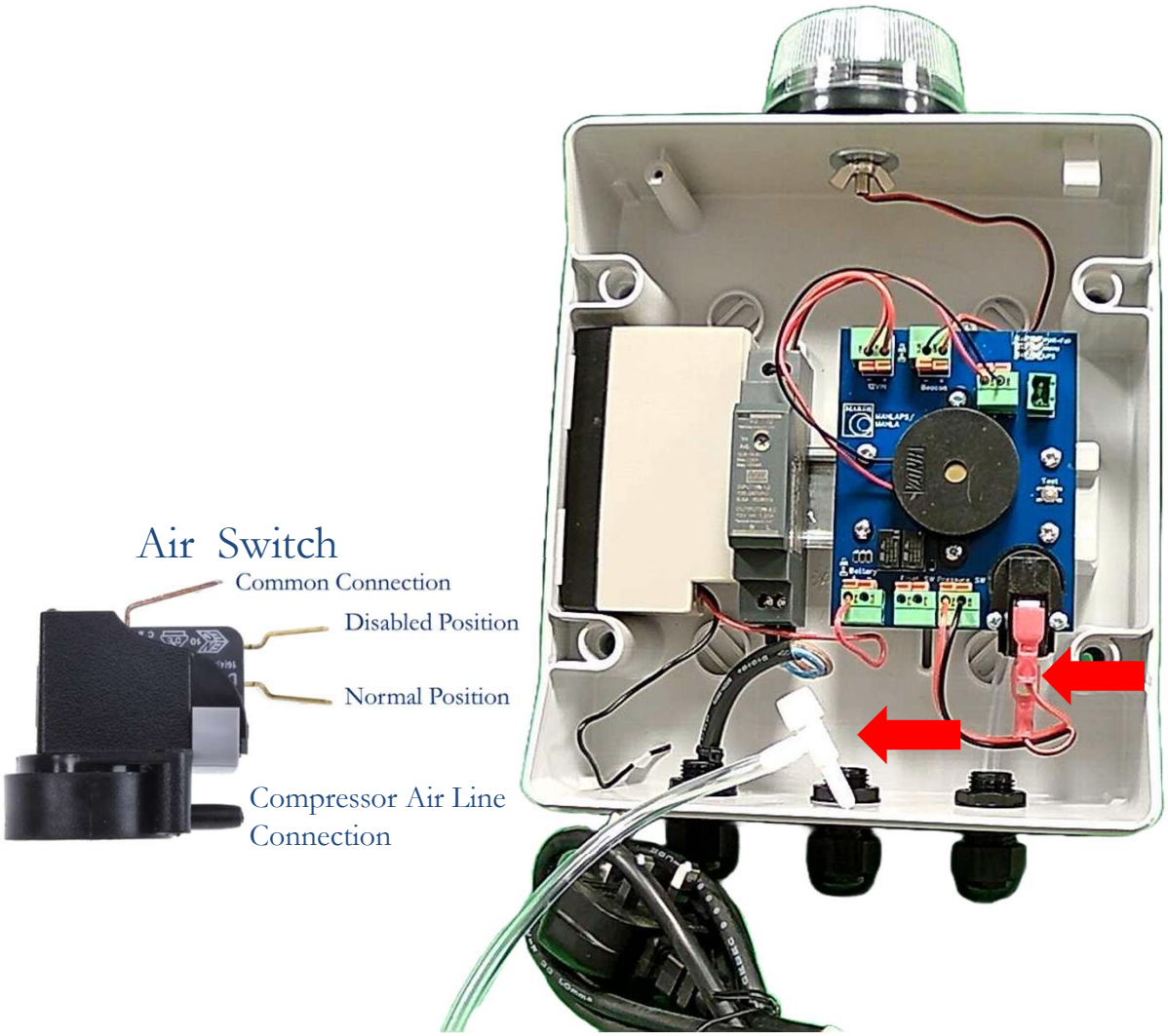

For MAHLAPS, connect the air hose to the air switch using the right hand gland. Use a small cable tie to ensure a firm air-tight connection. It is easiest to fit the cable tie firmly on the tube before connecting to the switch. Tighten the gland. Trim the air hose to an appropriate length for the installation. Attach the t-valve provided to the other end of the air hose. Drill a 4mm hole into the compressor hose and firmly press in the t-valve. Secure with a cable tie. Open the tap one and a half turns.
Turn on the compressor.

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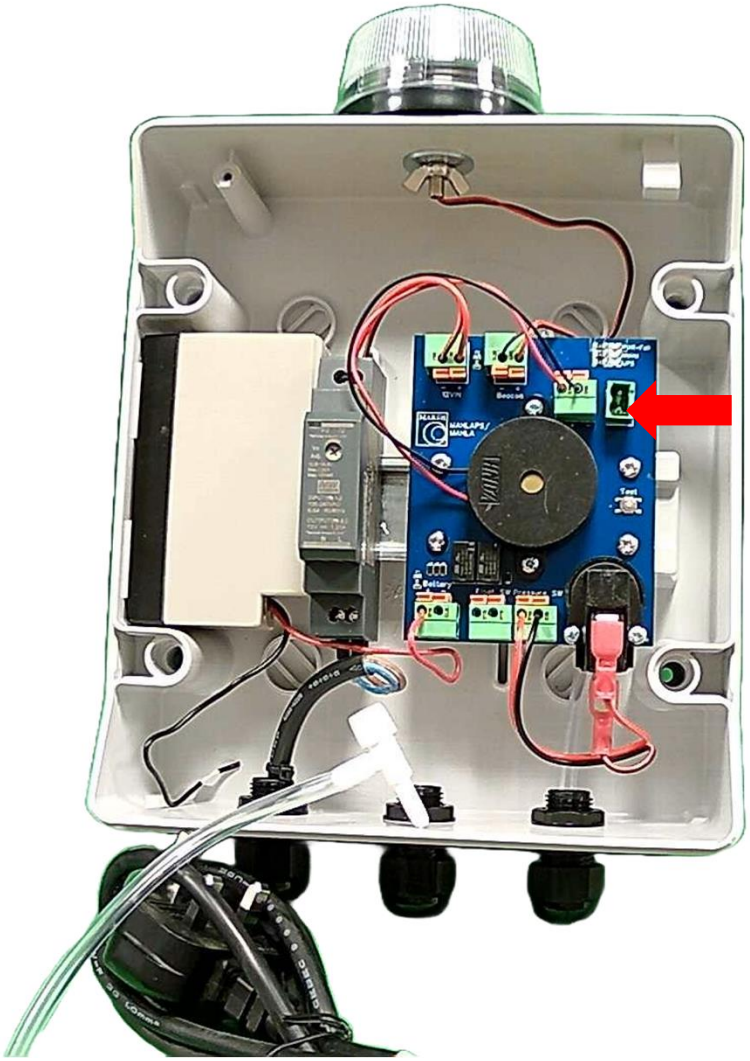

Connect the push button switch on the panel front to the connector indicated.

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Fasten the lid to the enclosure using the 4 plastic screws.
Ensure the button on the panel is in the down / pressed position. This will enable the sounder and is used to silence the sounder for maintenance.

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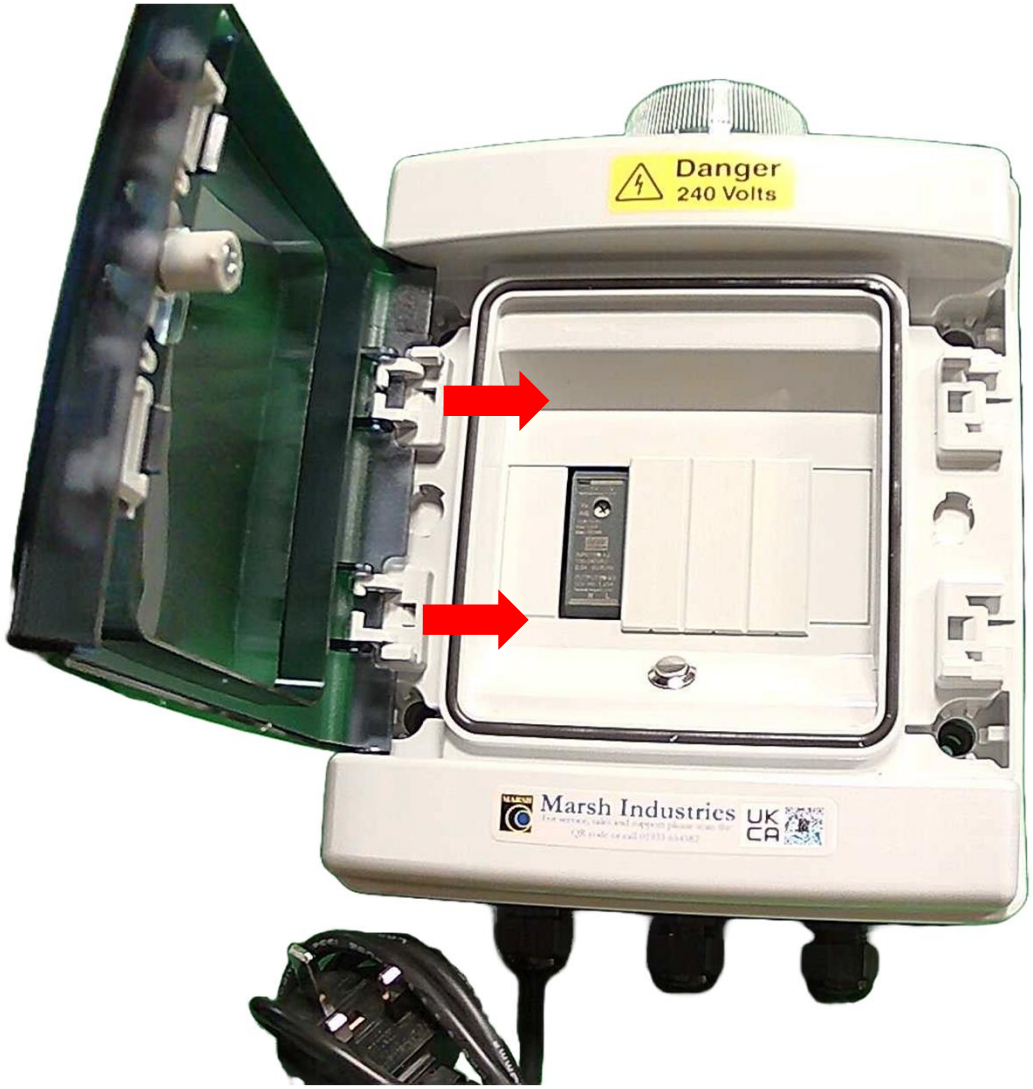

Re-fit the panel door by sliding the hinges into position until they click home.

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Close the panel door with the key in the vertical position, pressing firmly above and below the latches as indicated.
Lock the door and remove the key.

Plug in the alarm and check that the LED on the unit is on.

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Completing the installation.

Check that the sounder and beacon function by raising the float switch to activate the alarm.

For MAHLAPS turn off the compressor to test the alarm. It can take up to 5 minutes for the pressure to dissipate to activate the alarm.

If there is no sounder activation check the position of the button switch inside the alarm door. It should be in the down / pressed position. This button switch is used to silence the alarm for maintenance. The Beacon will always be active in an alarm condition until the condition has been resolved.