



PUMPS AUSTRALIA

BETTER · FASTER · EASIER

# LIQUID LEVEL ALARM (with optional Battery Backup)



MADE IN ITALY FOR ASCENTO GROUP AUSTRALIA  
37 EXPORT ST, LYTTON QLD 4178 | 1800 807 604

## GENERAL INSTALLATION INSTRUCTIONS

The installer must ensure the power point is connected to an RCD (safety switch) before installing this unit. Failing to ensure this voids the warranty.

This unit is rated to IP55. Ensure the unit is suitably installed and protected from direct sunlight. Use the provided mounting holes to fix the unit to another surface, DO NOT drill through the inside casing, as this voids the warranty.

BEFORE connecting or reconnecting the unit to a power supply, you must ensure the casing is firmly closed and secured.

When connecting electric cables, follow the included wiring diagrams. Ensure the correct sized tools are used when adjusting anything within the control panel to avoid damaging the terminals and clamps.

NOTE: The RLA10B model with battery backup are despatched with the neutral wire disconnected from the battery. BEFORE connecting unit to mains power, connect the neutral wire to the neutral terminal on the battery.

The use of non-original spare parts, tampering or improper use voids the warranty.

**Only qualified personnel are permitted to open and perform work on the control panel.**

**It is the installers responsibility to verify the device is safe to use after the installation. The manufacturer and importer are not responsible for accidents that occur due to misuse of the product by unauthorised personnel or from lack of maintenance and repair.**

## WARNINGS

	<p><b>WARNING</b> Before installing and using this product, you must read and understand this guide. Installation and maintenance must be performed by qualified personnel in accordance with current local regulations. The manufacturer and importer will not be held responsible for any damage caused by improper or prohibited use of this control panel and are not responsible for any damages caused by an incorrect installation or maintenance of this product. The use of non-original spare parts, tampering, or improper use voids the warranty.</p>
	<p><b>WARNING</b> This product is rated to IP55. Ensure it is suitably installed and protected from direct sunlight. Ensure the correct sized tools are used when adjusting anything within the control panel to avoid damaging the terminals and clamps. <b>Only qualified personnel are permitted to open and perform work on the control panel.</b></p>

	<p><b>ELECTRIC SHOCKS</b> Risk of electric shock if control panel is accessed by unauthorised persons</p>
	<p><b>DANGER</b> Risk of personal injury and property if this product is not used as specified</p>

	<p><b>DANGER</b> Before opening the unit, you MUST ensure the power has been disconnected. Do not attempt to use the product while the control panel is open. Use the provided mounting holes to fix the unit to another surface, DO NOT drill through the inside casing, as this voids the warranty. BEFORE connecting or reconnecting the unit to a power supply, you must ensure the casing is firmly closed and secured.</p>
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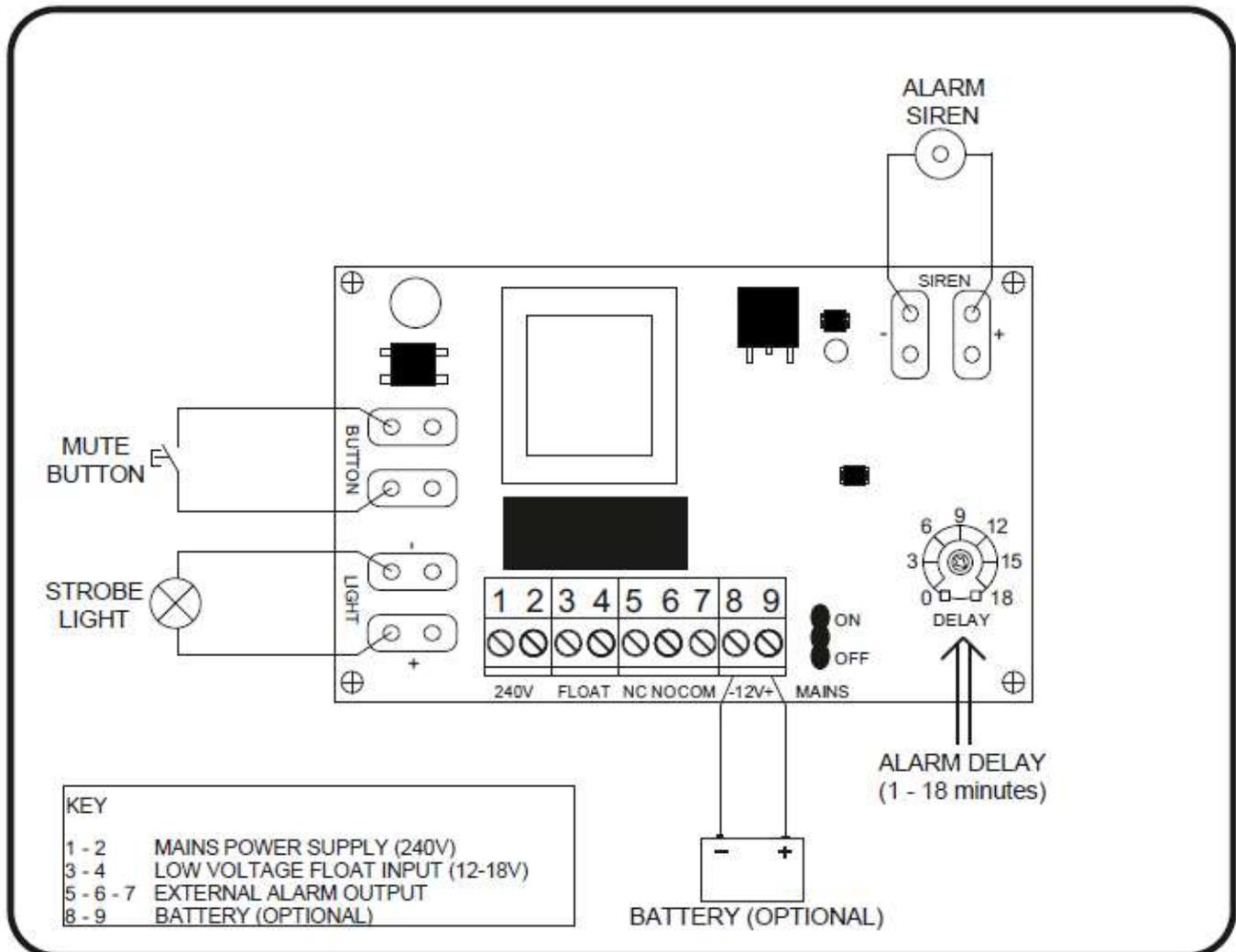
## GENERAL CHARACTERISTICS

- Operating voltage 230-240Vac 50Hz
- Siren mute/shut-off button
- Alarm delay setting OFF/1-18min
- Flashing LED strobe
- Acoustic siren – 90dB
- Battery Backup 12Vdc 1.3Ah with in-built charger (RLA10B)
- External thermoplastic box IP55 with cable glands
- Operating temperature -5/+40°C

## SPECIFICATIONS

CODE	DESCRIPTION	ALARM		POWER SUPPLY	DIMENSIONS L x W x D (mm)	WEIGHT Kg
		VISUAL	dB Rating			
12988.2	REEFE RLA.10 Italian Made Liquid Level Alarm	LED	90dB	230-240V	180x140x140	1
4982.2	REEFE RLA.10.B Italian Made Liquid Level Alarm w. BB	LED	90dB	230-240V	180x140x140	1.5

## WIRING DIAGRAM

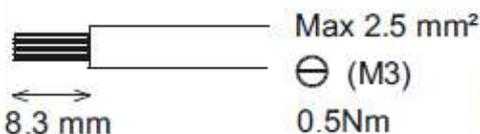


### IMPORTANT FLOAT WIRING INFORMATION

USE ONLY floats suitable for low voltage supply (12-18V)

ENSURE float is wired correctly to suit specific use:

- ALARM ON FLOAT UP = Use BLACK and BROWN wires
- ALARM ON FLOAT DOWN = Use BLACK and BLUE wires



#### IMPORTANT NOTE:

Ensure that the trimmed wire has heat shrink applied to the end to ensure no copper is exposed.

## **APPLICATION AND CONTROL PANEL FUNCTIONS**

The Reefer Liquid Level Alarm is a product used to signal an alarm that is generated when the input on the terminal board closes, using the float switch supplied. This can be used for an Alarm on Float Up situation, or an Alarm on Float Down situation.

You can connect any source with a clean contact to this input (float switch, pressure switch, etc.).

The RLA10B has the ability to activate the alarm when the mains power is lost to the unit, through the use of a jumper on the board.

In the presence of an alarm, the device enables a clean contact relay output, a flashing LED strobe and an acoustic siren which can be silenced by pressing the mute button.

On the circuit board, there is also an alarm delay setting dial with a scale in minutes that delays the activation of the alarm.

The RLA10B model is also equipped with a battery backup function which is used to signal an alarm that may occur during an outage in mains power. The battery is charged slowly through a dedicated charging circuit.

NOTE: The RLA10B model with battery backup are despatched with the neutral wire disconnected from the battery. BEFORE connecting unit to mains power, connect the neutral wire to the neutral terminal on the battery.

These RLA10 series of High Level Alarms comply with the specific protection prerequisites concerning both safety (low voltage) and the electromagnetic compatibility provided for by the European Community laws 2006/95/CEE of 16th January 2007, 2004/108/CE of 10th November 2007, 93/68/CEE of 22th July 1993. Compliance CEI EN60439-1, EN 61000-6-3, EN 61000-6-1, DIN VDE 0113/EN60204-1 / IEC 204-1.

### **12 MONTH WARRANTY CONDITIONS**

1. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. If you are a consumer as defined by the Australian Consumer Law, you are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. If you (the purchaser) do not fall within the meaning of 'consumer' in the Australian Consumer Law the provisions of the Australian Consumer Law will not apply to you. The following conditions form part of the instructions and do not override your statutory rights.
2. This warranty covers failure due to manufacturing defects for REEFE Liquid Level Alarms purchased and used in mainland Australia. We shall repair or replace faulty goods when we ascertain that the fault is due to manufacturing defects, within the period of time as advised by us for any particular item. If you require a refund, you must return the item to the original place of purchase.
3. Faults or losses or failure caused due to: Accidents, misuse, lack of maintenance, not following these instructions, damage caused by lightning strike/power surges/spikes/brownouts/operating the unit on power other than 230-240volts 50Hz mains power - are not covered by warranty.
4. Warranty will be void if any tampering or removal of identification labels or electrical cables has occurred, or any non-genuine parts have been fitted, or repairs have been carried out by unqualified persons. No warranty applies for goods sold or used for HIRE or RENT or LEASE.
5. The Warranty excludes accidental or deliberate breakages, normal wear and tear, fading or breakdown due to the effect of exposure to sunlight or chemicals or any other external factor that may affect the life of the product.
6. This product is guaranteed as fit for the purpose of activating an alarm when the signal is provided by a connected float switch or other approved device. It is the purchaser's responsibility to ensure that the product is fit for their purpose and of sufficient size & performance for their application.
7. IMPORTANT: No electrical appliances last forever. Therefore ALL installations of these units must be constructed to allow a qualified person to access for servicing, and to easily remove the unit for replacement, warranty replacement or upgrading. Warranty replacement does not include costs of removal and re-installation as we have no control over the method of installation.
8. Before installing or servicing disconnect from the power supply.
9. This is not to be used as the sole high level alarm device where the vessel it is installed, if overflowing, could flood or inundate areas usually occupied by persons or stock. For critical applications where flooding could cause serious consequences, use a system with battery backup, and have a secondary alarm in place.
10. This unit must be installed in accordance with these instructions. The unit MUST NOT be installed in any manner that if it were to fail to work that it would cause damage or loss to property or persons. It MUST be installed in a well-ventilated area. All warranty is void if this condition is not heeded and no liability can be accepted in the case of damage or loss caused by failing to comply with this condition.
11. The unit must be correctly earthed and connected to a circuit, with an integral RCD (safety switch) in the circuit breaker.
12. In the case of a fault, please contact Ascento Customer Service Team on 1800 807 604 or email [csv@ascento.com.au](mailto:csv@ascento.com.au) with a photo of the faulty item, copy of your purchase receipt, a description of the problem, and your name and address and phone number - we will review your request and send you a replacement directly if we accept your warranty claim. Do not send the product to us unless we ask you to do so.
13. If an exact replacement is not available, the closest equivalent product will be supplied at our discretion.
14. This warranty does not exclude any non-excludable rights according to Australian Law. However any condition that is made void by Australian Law does not void the remaining conditions, which shall stand unaltered.