

BIANCO **iCON** **SERIES CONTROLS**

Installation and Operation Manual

BIA-IALARM

Liquid Level Alarm



Conventions used in this manual.

In the manual the following symbols will be used:



Generic danger. Failure to comply with the safety regulations that follow can irreparably damage the controller or equipment.



Electric shock risk. Failure to comply with the safety regulations that follow can cause death or serious injury.

WARNINGS

Read this manual carefully before any operation.

Please keep this manual for future use.



WARNING!!

1. Electrical connections must be carried out by a suitably qualified electrician.
2. Before carrying out any installation or maintenance operation, Liquid Level Alarm must be disconnected from the power supply.
3. Do not open the cover during running the Liquid Level Alarm.
4. Do not splash water or other liquid over the Liquid Level Alarm.
5. Do not allow children or infirm persons to operate the Liquid Level Alarm.
6. If the supply cord is damaged, the Liquid Level Alarm should be returned to the supplier for repair.
7. A power point (10 amps) should be provided by a qualified electrician. The Liquid Level Alarm is to be supplied by an isolating transformer or supplied through a RCD having a rated residual operating current not exceeding 30 mA.



CAUTION!!

1. Installation must be carried out by competent, skilled, qualified personnel.
2. Never connect AC power to the output terminals.
3. Do not install the Liquid Level Control in the following conditions:
 - a. Vibration and mechanical shock.
 - b. Corrosive gasses and liquids.
 - c. Extreme heat and cold, operating range -25°C - +55°C.
 - d. Salt mist corrosion.
 - e. Rain and moisture.
 - f. Flammable materials, solvents.

1.0 Introduction

Thank you for choosing a Bianco Icon Series Liquid Level Alarm.

The Liquid Level Alarm is an easy to use, programmable stand alone liquid level alarm which provides audible and visual warnings when the tank is either full or empty.

It is easy to choose between high level warning or low level warning, and the type of alarm warning. The Liquid Level Alarm is also provided with an alarm mute to silence the alarm if required.

1.1 Applications

The Liquid Level Alarm is useful in all cases where there is the need to provide warning against high or low liquid levels in tanks.

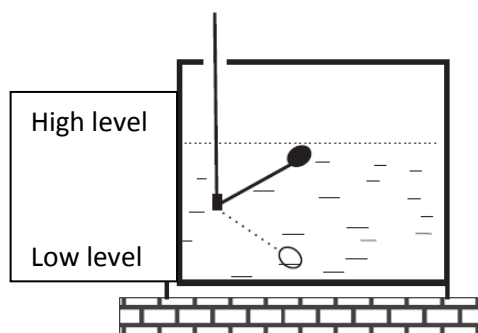
Typical usage scenarios include:

- Stormwater
- Sewage
- Grey Water
- Rainwater
- Effluent

1.2 Technical parameters and features

- 240V 1 phase power supply.
- Safe 12V low voltage for float switch.
- MODE button to switch easily between high level and low level warning. Press mode for 5 seconds.
- PULSE button to switch easily between continuous and intermittent audible warning. In intermittent mode, the audible alarm will sound initially, then every 5 minutes.
- MUTE button to silence the alarm. Visual alarm remains on until alarm situation rectified.
- 10 m float switch complete with counter weight supplied and wired.
- Liquid level Alarm can be mounted up to 50m from the tank using low voltage cabling (optional supply).

1.3 Installing float switch.



Do not encase float switch cable in metal pipes. Use PVC or PE tubing.

1.4 Operation.

Plug Liquid Level Alarm into a power point and turn the power on.

- Push MODE key for 5 seconds to select HIGH LEVEL or LOW LEVEL alarm mode.
- Push PULSE key to select between continuous and intermittent audible alarm.



HIGH LEVEL alarm mode displayed.

- MODE key: push for 5 seconds to switch between HIGH LEVEL alarm and LOW LEVEL alarm.
- MUTE key: push to silence the alarm.
- PULSE key: push to switch between continuous and intermittent audible alarm.

Continuous audible alarm mode displayed.



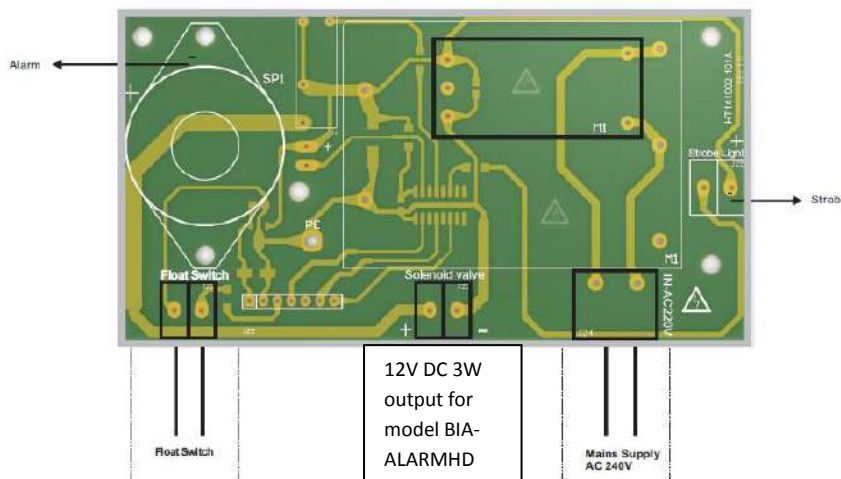
Intermittent audible alarm mode displayed.



LOW LEVEL alarm mode displayed.

Note: To test for correct operation with the float switch, please hold the MODE button for 20 seconds to alternate operational mode, once released the alarm will sound, when test is completed please repeat procedure to set your required operational mode.

1.4 Wiring diagram.





WHITE
INTERNATIONAL

2 YEAR WARRANTY

White International Pty Ltd
Limited Product Warranties
TERMS & CONDITIONS

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 NZ for goods purchased in New Zealand:

- 1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. Subject to the conditions of the warranty, White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.
- 2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against the elements, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepai red.
- 3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.



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2 YEAR WARRANTY cont.

- 4) Our goods come with guarantees that cannot be excluded under 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.
- 5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to:
 - (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and
- 6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.
- 7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.
- 8) Our warranty commences from the date of purchase of the above mentioned pumps. Proof of purchase is required before consideration under warranty is given. Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase

Model Purchased



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