

# Level Alarm Model BI-4000H-00

## Features

The Bintech Level Alarm Unit BI-4000H-00 provides an audible and visual alarm for monitoring level. The unit may be directly mounted on a fuel tank to indicate overflow. Alternatively it may be located remote from the sensor. The powerful audible alarm can be heard over the sound of the pumping equipment. It is battery powered and fitted within a sealed IP65 enclosure. It satisfies the requirements of AS1940 as an overflow alarm for non flammable liquid products.

The BI-4000H-00 has the following features

- Long lasting batteries
- Timed cutoff
- Pulsed alerts after cancel (If in alarm state)
- Integral and/or remote switches for low and high level
- Three (3) independent sensor switch inputs (option dependant)
- Radio Communication Link (optional)
- External Power 12—24V DC (optional)
- Auxiliary alarm output (limited to one input) (Relay optional, 30Vdc @ 1A)

**NOTE:** For hazardous area applications refer to the BI-4000H-IS Brochure (ATEX and IECEx Ex ia)

## Specifications

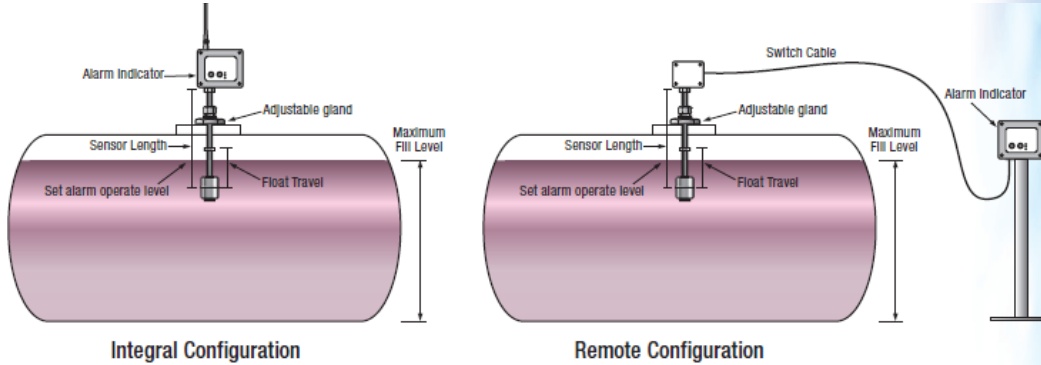
Alarm	
<b>Enclosure:</b>	Cast Alloy, IP65
<b>Mounting:</b>	Integral - fixed to sensor or Remote - flying lead
<b>Environment:</b>	External
<b>Alarms:</b>	Warble Siren 97dBA and flashing LED, (Relay optional, 30Vdc @ 1A)
<b>Alarm Duration:</b>	2 min
<b>Battery Life:</b>	Dependent on alarm operation (estimated 1-2 years)
<b>Adjustment:</b>	Tank level threshold set via sensor position
<b>Power Requirements:</b>	4 x AAA Batteries or 12-24VDC Current at 24VDC full alarm ≈ 30mA, with radio ≈ 35mA, with radio and Relay ≈ 60mA
<b>Operating Temperature:</b>	-20°C to 60°C
<b>Dimensions:</b>	L x H x D, 115 x 90 x 55 mm
<b>Colour:</b>	White – Non-Hazardous Area
<b>Compliance:</b>	Meets the requirements of AS1940 for overflow indication
Sensor:	
<b>Switch:</b>	Normally Open (NO)
<b>Process Connection:</b>	1 1/2 inch BSP to 2 inch BSP (Other process connections as factory options)
<b>Orientation:</b>	Vertical ± 30°
<b>Guide Tube:</b>	12 mm
<b>Guide Tube Length:</b>	300 mm standard, other specify (3000 mm maximum)
<b>Float:</b>	SVK44/15/A
<b>Nominal Pressure:</b>	0.5 MPa
<b>Operating Temperature:</b>	-10°C to 50°C



# Bintech Level Alarm

The Bintech Level Alarm may be used to detect maximum tank levels. A float operates a magnetic reed switch as it moves up or down the guide tube. The required levels are set by sliding the guide tube in the gland while the float travel is limited by adjustable collars on the guide tube.

## Configuration



(direct mount version pictured)

## Ordering Information

\*\* May require a larger enclosure

BI-4000H -

AA - AREA	B - SWITCH	C - RADIO	D - POWER	E - OPTIONS
00 - Safe area only	A - Attached	0 - None	B - Internal Battery	Lxxx - Non standard length
	R - Remote	Tx434 - Transmitter 434MHz ***	DC - External (12-24V DC)	RLY - Relay Output ###
	B - Box only	Tx151 - Transmitter 151MHz ***	AC - External 240VAC **	CUST - Custom build
		Rx434 - Receiver 434MHz #		
		Rx151 - Receiver 151MHz #		

\*\*\* Approx range line of sight is 400m (for 434MHz) and 1000m (for 151MHz)  
# Requires external power      ## Limited to one input

### Example:

A remote overflow alarm, standard length, remote, no radio, battery powered:

**BI-4000H-00-R-0-B**



**Bintech Systems Pty Ltd**

ABN 74 123 478 431

5 / 58 Mahoney Road  
Thomastown VIC 3074  
Australia

T: +613 9467 7300

T: 1300 363 163

sales@bintech.com.au

www.bintech.com.au

Version 2\_2015

