



# Bintech

## HIGH LEVEL ALARM Model BI-4000H

### Features


The Bintech High Level Alarm Unit BI-4000H provides an audible and visible alarm for monitoring level. When used with the Bintech level switch, it forms an integral unit which may be directly mounted on a fuel tank to indicate overfill. Alternatively it may be located remote from the sensor. The powerful audible alarm can be heard over the pumping equipment. It is battery powered and fitted within a sealed IP65 enclosure. It satisfies the requirements of AS1940 as an overfill alarm for diesel fuel tanks and Ex ia IIb T4 for petrol tanks when the IS version is selected.

The BI-4000H has features such as –

- Approval Hazardous Area Zone1/ Intrinsically Safe (IS Option)
- Long lasting batteries
- Timed cutoff
- Pulsed alerts after cancel
- Integral and/or remote switches
- Three (3) independent sensor switch inputs (option)
- Radio Communication Link (option)
- External Power 12- 24V dc (option not available with Ex ia IIb T4 rating)
- Auxiliary alarm output (option not available with Ex ia IIb T4 rating)

### Specifications

#### Alarm:

Enclosure:	Cast Alloy, IP65
Mounting:	Integral - fixed to sensor or Remote - flying lead
Orientation:	Vertical ± 30 °
Environment:	External
Alarms:	Warble Siren 97 dBA and flashing LED
Alarm Duration:	2 min
Battery Life:	Dependent on alarm operation (estimated 1-2 years)
Process Connection:	2 inch BSP (Other process connections available as factory options)
Adjustment:	Tank level threshold set via sensor position
Operating Temperature:	-20°C to 60°C
Power Requirements:	6 Vdc (4xAAA)
Dimensions:	L x H x D, 115 x 90 x 55 mm
Colour:	White – Non-Hazardous Area Safety Yellow – Hazardous Area
Compliance:	Meets the requirements of AS1940 for overfill indication, 
Certification # IS Option :	Hazardous area approved IEC Ex ITA 07.0014X (Ex ia IIb T4) (Enclosure Zone 1 / Float Switch Zone 0)

#### Float Switch:

Switch:	Normally Open (NO)
Process Connection:	½ inch BSP to 2 inch BSP (Other process connections as factory options)
Orientation:	Vertical ± 30 °
Guide Tube:	12 mm
Guide Tube Length:	300 mm standard, other specify (3000 mm maximum)
Float:	V44A, V52A, V62A, V83A
Nominal Pressure:	0.5 MPa
Operating Temperature:	-10°C to 50°C

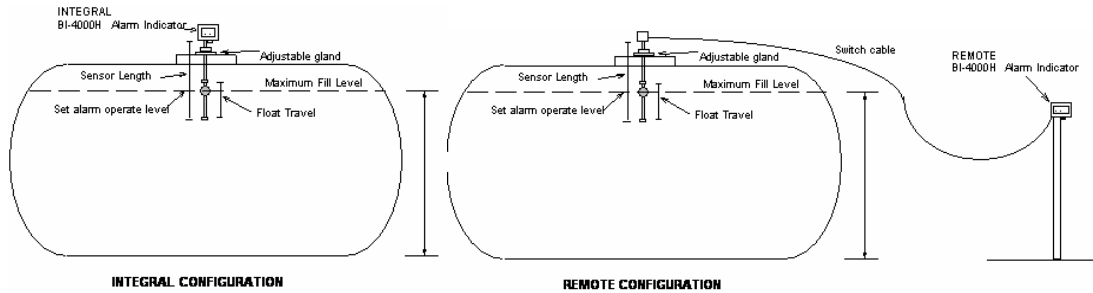


Hazardous applications  
(direct mount version pictured)

## BINTECH LEVEL SWITCH

The Bintech Magnetic Float Switch may be used to detect maximum tank levels. A float operates a magnetic reed switch as it moves up/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



### Ordering Information

#### High Level Alarm BI-4000H Series



Hazardous applications  
(direct mount version pictured)

Hazardous applications  
(wireless version pictured)



#### BI-4000H – AA – B – C – D

AA - AREA	B - SWITCH	C - RADIO	D - POWER
IS – Intrinsically safe	A - Attached	0 - None	B – Internal battery
00 – Safe area only	R - Remote	T - Transmitter	E - External
	C- Combined	R - Receiver	

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