

Level Alarm Model BI-4000H-IS

Features

The Bintech Level Alarm Unit BI-4000H-IS provides an audible and visual alarm for monitoring level. The unit 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 sound of 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 petrol tanks.

The BI-4000H-IS has the following features

- Approval Hazardous Area Zone 1 / Intrinsically Safe (Ex ia IIB T4) IECEx and ATEX
- 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)
- Radio Communication Link (option) 434MHz **only** (not available for ATEX)

Specifications

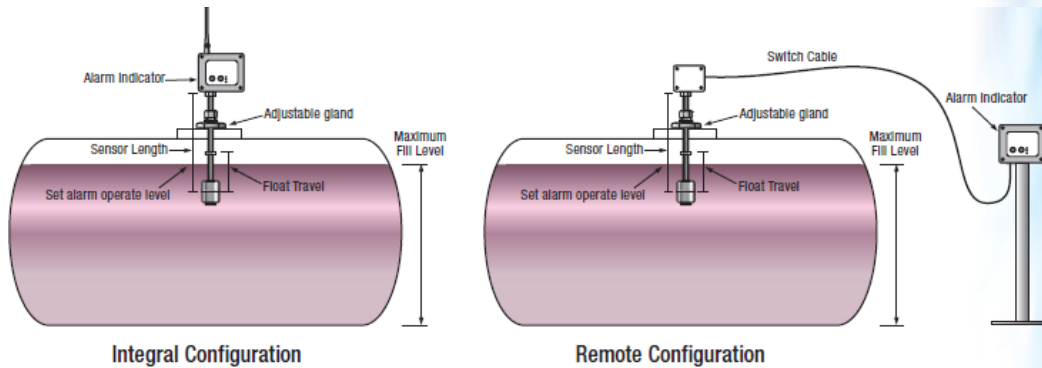
Alarm	
Enclosure:	Cast Alloy, IP65
Mounting:	Integral - fixed to sensor or Remote - flying lead
Environment:	External
Alarms:	Warble Siren 97dBA and flashing LED
Alarm Duration:	2 min
Battery Life:	Dependent on alarm operation (estimated 1-2 years)
Adjustment:	Tank level threshold set via sensor position
Power Requirements:	4 x AAA Batteries
Operating Temperature:	-20°C to 60°C
Dimensions:	L x H x D, 115 x 90 x 55 mm
Colour:	Safety Yellow – Hazardous Area
Compliance:	Meets the requirements of AS1940 for overfill indication
Certification :	Hazardous area approved IECEx ITA 07.0014X (Ex ia IIB T4) Hazardous area approved ATEX TUV 12 7262X (Ex ia IIB T4) (Enclosure Zone 1 / Float Switch Zone 0)
Sensor:	
Switch:	Normally Open (NO)
Process Connection:	1/2 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:	SVK44/15/A
Nominal Pressure:	0.5 MPa
Operating Temperature:	-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



(wireless version pictured)

Ordering Information

BI-4000H -

AA - AREA	B - SWITCH	C - RADIO	D - POWER	E - OPTIONS
IS - Intrinsically safe A	A - Attached	0 - None	B - Internal Battery	Lxxx - non standard length
	R - Remote	Tx434 - Transmitter 434MHz #		ATEX - ATEX Certification
	BOX - Box only, no switch			

- Approximate radio range with line of sight is 400m

Example:

A remote overflow alarm, standard length with ATEX certification:
BI-4000H-IS-R-0-B-ATEX



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Version 2_2015

