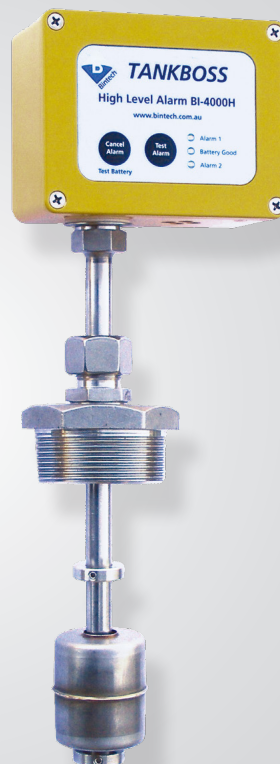


# High Level Alarm Sensor



**IECEX Suitable  
for Flammable  
Products (ULP)**

**Non IECEX sensor  
stocked & available**

## BI - 4000H Overfill Alarms Suitable for IS and non-IS applications

### Level Alarm

The Level Alarm Sensor 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.

### Features

The Level Alarm Sensor Unit BI-4000H-IS provides an audible and visual alarm for monitoring level. When used with the 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 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

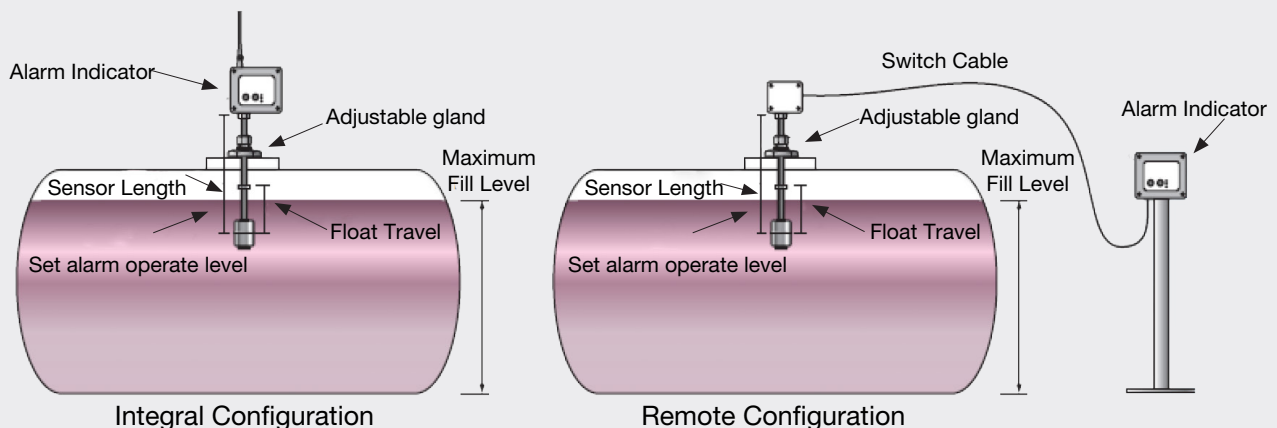
- ▶ Approval Hazardous Area Zone 1 / Intrinsically Safe (Ex ia IIB T4) IECEX and ATEX
  - ▶ Long lasting batteries
  - ▶ Timed cutoff
  - ▶ Pulsed alerts after cancel (If in alarm state)
  - ▶ Integral and/or remote switches for low and high level
  - ▶ Three (3) independent sensor switch inputs (Option)
  - ▶ Radio Communication Link (option) 434MHz only Specifications
- Alarm Enclosure: (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

## Configuration



NOTE: Non IECex versions are available upon request.