

## Product Note

### ALARM INDICATOR UNIT Model BI-4000

#### Features

The Transtank *Scamp* Level Alarm Unit BI-4000 provides an audible and visible alarm for monitoring level, pressure, temperature and other parameter limits. 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 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.

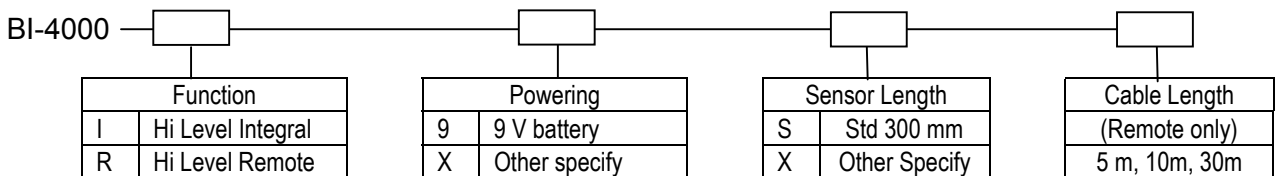
#### Specifications

Enclosure:	Cast Alloy, IP65
Mounting:	Integral - fixed to sensor or Remote - flying lead
Orientation:	Vertical $\pm 30^\circ$
Environment:	External (non hazardous area)
Alarms:	Warble Siren 95 dBA and flashing LED
Alarm Duration:	85 sec (20 sec or continuous factory options)
Alarm Reset:	Push button
Alarm Test:	Push button to test siren
Battery Test:	Push button (green LED - good, red LED - replace)
Battery Life:	Dependent on alarm operation (1 year estimated with 2 timeout operations per day)
Transmission Limit:	50 ohm loop between sensor and alarm
Electrical Input:	Normally open switch
Process Connection:	1/2 inch BSP to 2 inch BSP (Other process connections as factory options)
Adjustment:	Tank level threshold set via sensor position
Accuracy:	Repeatability 1%
Operating Temperature:	-10°C to 65°C
Power Requirements:	9 Vdc (216 battery)
Dimensions:	L x H x D, 115 x 90 x 55 mm
Compliance:	Meets the requirements of AS1940 for overfill indication.



The Indicator is shown here attached to the magnetic level switch

#### Ordering Information



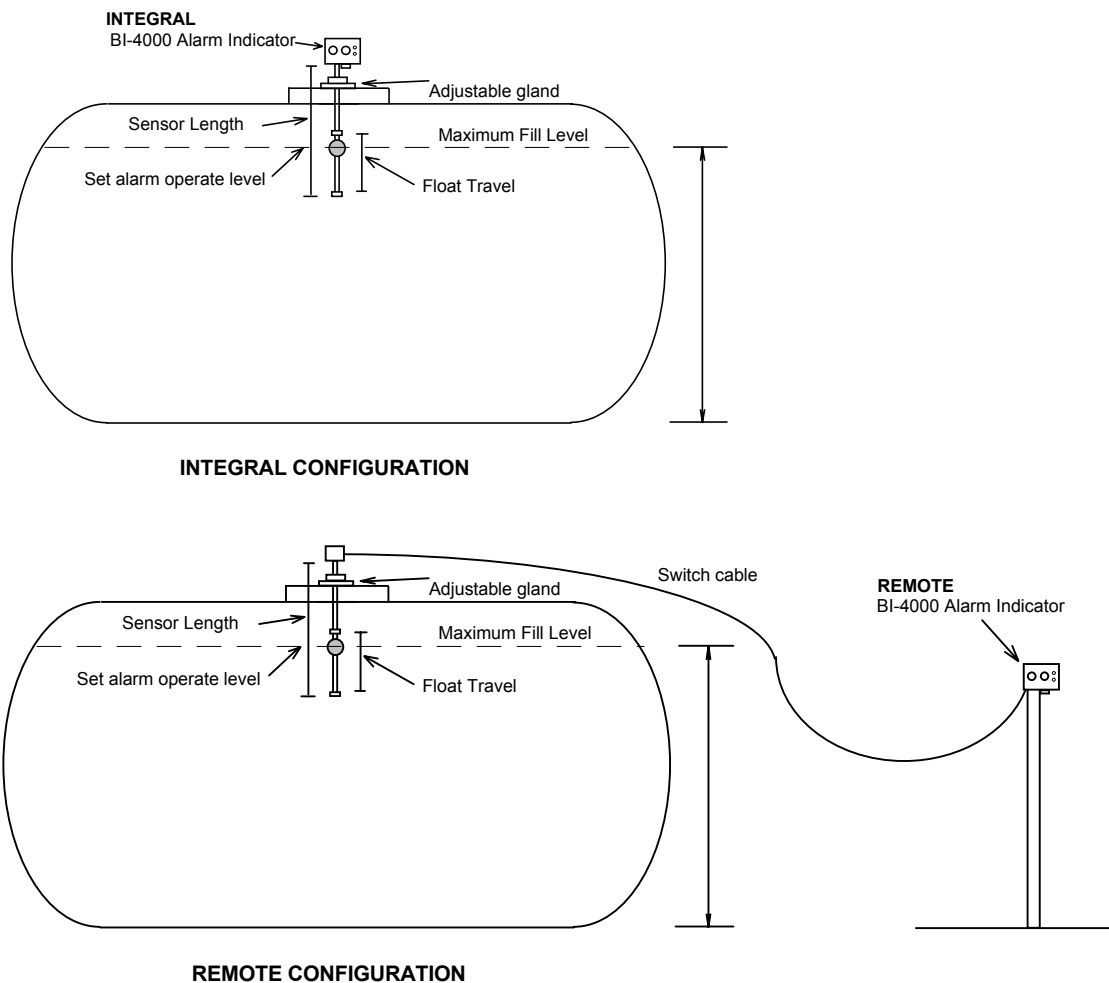
Example: BI-4000-R-9-S = High level switch with Remote alarm, 9 Volt battery powered, length 300 mm, cable length 10 m.

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# LEVEL SWITCH

The 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



## Specifications

Electrical Connection:	Cable, PVC Grey (length for remote configuration)
Electrical Input:	Switch - Normally Open (NO)
Process Connection:	1/2 inch BSP to 2 inch BSP (Other process connections as factory options)
Orientation:	Vertical $\pm 30^\circ$
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