



EXE RATED INTRINSICALLY SAFE OVERFILL ALARM

Item code: PI-4000

The PETRO High Level Alarm Unit PI-4000H provides an audible and visible alarm for monitoring tank high level. When used with the PETRO 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.

FEATURES:

- It is battery powered (long lasting batteries).
- 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.
- Approval Hazardous Area Zone1/ Intrinsically Safe (IS Option).
- 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).

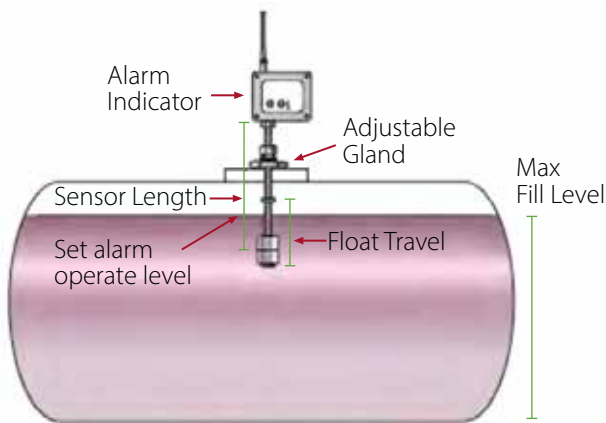
ALARM SPECIFICATIONS:

- **Power Requirements:** 6 Vdc (4xAAA).
- **Dimensions:** L x H x D, 115 x 90 x 55mm.
- **Operating Temperature:** -20°C to 60°C.
- **Enclosure:** Cast Alloy, IP65.
- **Mounting:** Integral - fixed to sensor or Remote - flying lead.
- **Orientation:** Vertical $\pm 30^\circ$.
- **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.
- **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).

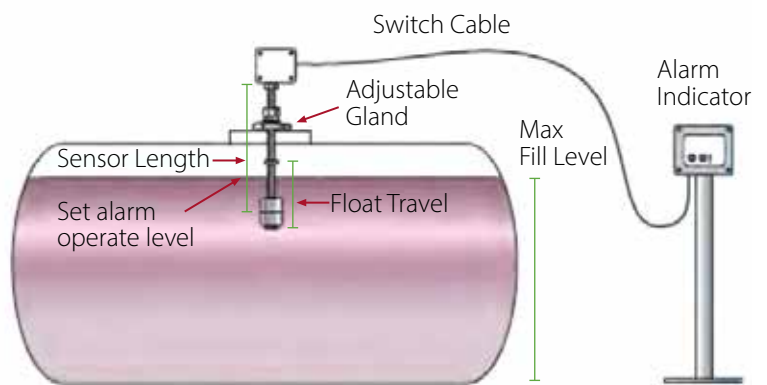


FLOAT SWITCH SPECIFICATIONS:

- **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:** 12mm.
- **Guide Tube Length:** 300mm standard, other specify (3000mm maximum).
- **Float:** V44A, V52A, V62A, V83A.
- **Nominal Pressure:** 0.5 MPa.
- **Operating Temperature:** -10°C to 50°C .



Integral Configuration



Remote Configuration

