Technical Data

ATEX APPROVED HIGH LEVEL ALARM

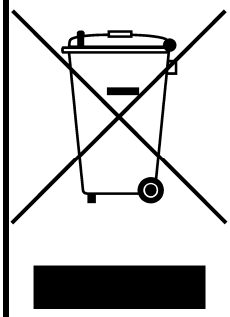
HLA3A.BP

Applies to the following models **only:**

- HLA3A.BP - HLA3A.BS - HLA3A.BSP - HLA3A.BAB

Please read carefully before commencing installation

ENVIRONMENTAL INFORMATION



European Directive 2012/19/EU requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities.

PRODUCT DESCRIPTION

The GO High Level Alarm is designed to provide visual and audible alarms whenever a predetermined level in a storage tank is reached. The system consists of a weighted float sensor that is connected, with a 5 metre fuel resistant cable, to the weatherproof bund alarm box containing the visual and audible alarms.

This alarm is approved to operate with flammable liquids classed as category 1, 2 or 3 in accordance with European Regulation No. 1272/2008. It is ATEX certified in accordance with EN 60079-0:2012 and EN 60079-11:2012. It is also IECEx certified in accordance with IEC 60079-0:2011 Ed 6 and IEC 60079-11:2011 Ed 6.

The alarm box, featuring the warning devices and test button, must be located outside any hazardous zone and bears the following certification marking and number:

CML16ATEX2356X
IECEx CML 16.0129X

Ex II 1 G
[Ex ia IIA Ga]
-20°C to +40°C
CE 2503

The float sensor(s) can be located in hazardous zones 0, 1 or 2 and bears the following certification marking and number:

CML 16ATEX2355X
IECEx CML 16.0128X
CML 16ATEX2356X
IECEx CML 16.0129X

 II 1 G
Ex ia IIA T3 Ga
-20°C to +40°C

CONDITIONS OF CERTIFICATION

1. Due to safety critical internal creepage and clearance distances in the control unit, if installed in a location other than a clean and dry environment, the user shall ensure that the control unit is additionally provided with protection having an ingress protection rating of at least IP54 and is maintained throughout the lifetime of the equipment.

2. The float switch incorporates an isolated metal part which could become either charged in use or be a discharge point for charged liquids upon filling or emptying. The float switch shall only be used in applications where static generated via contact liquids are controlled so not to be considered an ignition source.

3. Only alkaline batteries of the same make shall be used as replacements.

IMPORTANT WARNING NOTES

1. This alarm is designed for use with liquids classed as category 1, 2 or 3 in accordance with European Regulation No. 1272/2008, including petrol, diesel, gas oil, water, hydraulic oil and heating oil.

2. The alarm box featuring the warning devices and test buttons must not be installed in a hazardous zone. The float sensor can be located in zones 0, 1 or 2 with the supplied connecting wire running to the alarm box.

3. The user must ensure that chemicals present in the atmosphere do not affect the performance or degrade the polycarbonate enclosure.

4. Use only the correct ATEX/IECEx certified float switches supplied.

5. The installation must be carried out by qualified installation engineers in accordance with the requirements of EN 60079-14 the latest relevant electrical and local authority regulations and standards.

6. It must not be used with any liquids or applications other than those specified. We will accept no warranty claims or liability if it is used for other liquids or applications.

7. This product must not be used if it is damaged.

INSTALLATION

1. Using the mounting lugs provided, fix the high level alarm box in the position required using the supplied screws.

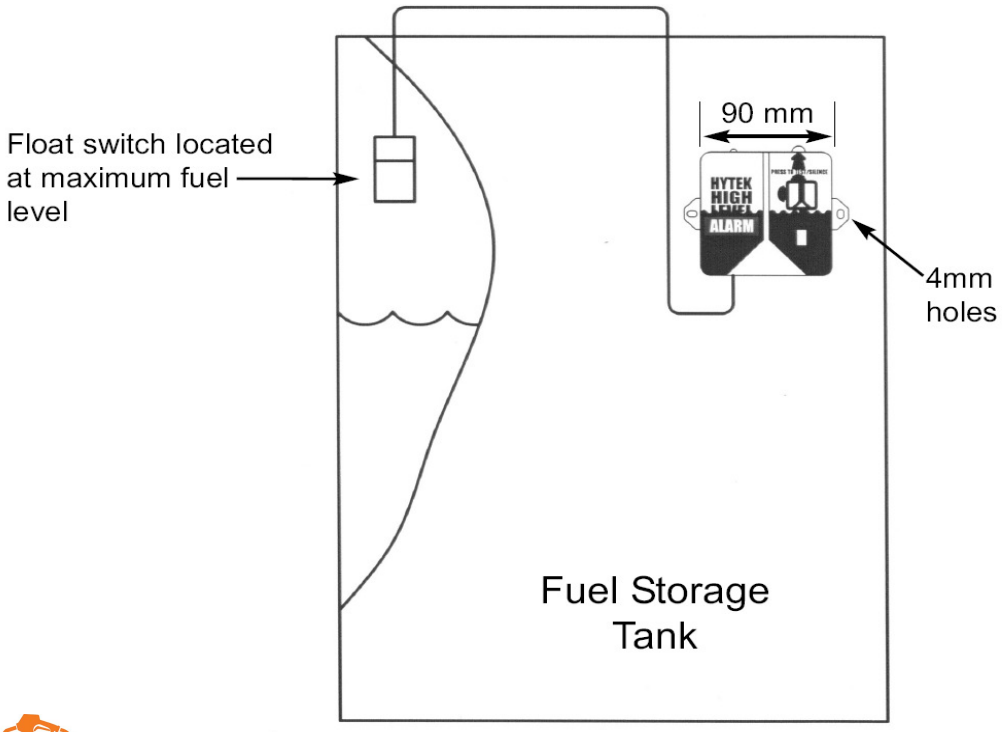
2. Hang the float switch inside the fuel storage tank and ensure it does not foul inside. For steel tanks (HLA3A.BSP) the brass cap will thread onto a 1 ½“ tank fitting. For plastic tanks (HLA3A.BP) the cable is secured using the P-clip provided.

3. Locate the float switch so it will be activated when the level in the tank reaches the required maximum height and secure in position using the gland on the cap/plate.

4. Remove the alarm box cover (2 screws on the front) and connect the battery connector to the battery.

5. Press green button on top of the alarm box. Ensure a series of short beeps can be heard and the light flashes. Replace cover and screw down firmly.

INSTALLATION DIAGRAM



CEA Petroleum EQUIPMENT

OPERATION

The GO High Level Alarm will operate when the float switch is activated by a rising liquid level in the fuel storage tank. The alarm will sound as a rising beep every 2.5 seconds and the light will flash simultaneously.

To silence the alarm, press the green button. The light will continue to flash until the liquid level in the tank bund drops below the level of the float switch.

The battery will power the GO High Level Alarm for 72 hours in full alarm mode with both the sounder and light activated. Low battery power is indicated by a short beep every 25 seconds.

When the battery is low and the alarm is activated the alarm will sound as a rising beep every 5 seconds to conserve power.

The light will flash every 25 seconds in normal operation (not in alarm mode) to indicate that the bund alarm is operating correctly.

If the float switch is disconnected or the cable has been severed the GO High Level Alarm will emit a short beep every 5 seconds. The light and sounder can be tested at any time by pressing the green button once. If the GO High Level Alarm is functioning correctly a short series of beeps will sound and the light will flash.