

OVERFLOW ALARM ANL22/14321

4979

1 Technical definition

Maximum separator level detection prevents any risk of overflow.

- Built-in acoustic alarm device
- 1 changeover relay output
- Sensor fault detection with 5 m cable
- Snooze function and alarm memory
- Ex(ATEX) certified



2 Functioning

The sensor is equipped with an electronic circuit which, by means of an oscillator, transmits a high-frequency signal. This signal varies if the sensor is placed in water, air or oil.

The alarm relay has a built-in acoustic alarm device. An external alarm system can be connected to the relay. The sensor associated with the relay detects overflow (maximum level) of the separator, and prevents any risk of overflow. Installation and connections: consult us or an approved electrician.

3 Advice and standards

The sludge detection assembly can be coupled with the SNH/14200 hydrocarbon layer detection probe and with the SNB/14220 sludge detection probe.

Installation must not exceed 200 meters in an IIC zone configuration, regardless of the number of probes. Possibility of wiring a GYRO/ANH reference beacon.

4 Relay specifications

- Material: ABS
- Dimensions: 185mm x 185 mm-depth: 62 mm
- Supply voltage: 230 VAC+/- 10%.
- Frequency: 50-60 Hz
- Power consumption: 6VA/4.5 VA(max/nominal)
- Relay output 1: SPCO potential-free changeover contact (normally closed) 3 A, 250 VAC/100VAC
- Breakdown current: F100 mA-250 V
- 3 sensor inputs: hydrocarbon sensor-high level sensor-sludge veil sensor
- Ambient temperature : -25° to +50°C
- Configuration: programming by activation code
- Enclosure protection: IP65 (against dust and water jets)
- Electrical protection: Class II Internal fuse protection: FS1 = 63mA, FS2 = 315mA, FS3= 50mA
- Buzzer sound level: >80dB(distance 0.1m)
- Audible frequency: 4kHz
- Pollution degree: 2
- Intrinsic safety: [Eexia] IIC
- Approval : Baseefa(England)
- ATEX certification: Baseefa08 ATEX 0110

5 Sensor specifications

- 5-meter cable
- Sensor can only be connected to internal power supply
- Supply voltage: 13 Vdc max
- Ambient temperature : -20°C/+50°C
- IP68 protection
- Approval: EXia IIC T3
- Inspection body: International Baseefa(England)
- ATEX certification: Baseefa08 ATEX 0110

6 Warning

The control box must be installed outside the ATEX zone. The control box must never be drilled

to allow cables to pass through, as this could compromise the certification and consequently the safety of the equipment.

A fail-safe junction box should be used whenever cable cross-sections need to be reduced for passage through the cable gland.

IP65 enclosure and IP68 probe