

## **KANA: LEVEL ALARM FOR HYDROCARBON SEPARATORS**

### **CHARACTERISTICS:**

A level alarm for hydrocarbon separators is a device that, if the automatic float shutdown the exit of the hydrocarbon separator, The float switch will detect that the maximum level in the separator increases. It consists of following parts:

- Float switch with mercury that float in the separator, pre-assembled, with 2.5 m cable, explosion proof
- a surface-mounted cabinet with:
  - low voltage control unit
  - rail clamps to connect the wire of the audible alarm, the float switch and the mains voltage (220 V)
- audible alarm

### **OPERATION:**

The unit allows a precise measurement of the level difference of the liquid, with a saturated separator. There is, in our warehouses, a float switch mounted in the tank. If the output of the separator is closed, by saturation, the liquid level in the tank will rise. The float switch will then pass a signal to the control unit. That signal is then transformed into a sound signal.

### **INSTALLATION:**

Place the control unit in a dry place

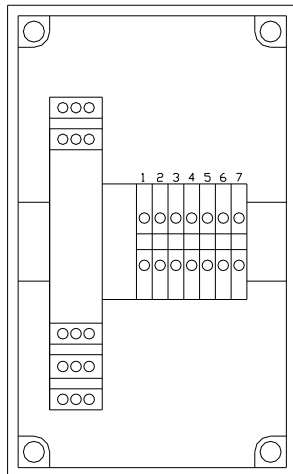
Connect the blue wire of the float switch on terminal 1.

Connect the black wire of the float switch on terminal 2.

Connect to terminal 3 and 4 the lamp/siren.

Connect to clamp 5 and 6 the power supply 220V.

Connect to clamp 7 the grounding.



### **TESTING THE INSTALLATION:**

1: Put the installation under tension. The float switch is at rest, so there is no alarm.

2: Pull the float up manually (a simulation of a saturated separator). The alarm sounds.

3: Let the float switch back loose. The float is back at rest, and the alarm goes off.