

## **Sample Specification for Floating Oil Alarm (9830 HCF)**

The floating oil sensor shall be of a high frequency capacitance technology to monitor for the dielectric change between water and surface oil.

Co-axial cable will run from the floating sensor to a pulse card mounted above the water being monitored. A 2-conductor shielded cable will pulse the signal to the control unit that can be mounted up to .8 Km distance. The sensor shall be of PVC and 304 SS wetted parts. There shall be no electronics in the float.

All calibration, power, and control wiring shall be at the wall mounted Type 4X control box. Power input shall be specified as 24vdc, 120 vac or 230 vac.

A time delay and sensitivity adjustment shall be standard to avoid nuisance alarms. The alarm relay shall be one DPDT, 5 amp dry contact. A minimum of 6 mm of surface oil will initiate the alarm.

An optional Intrinsic Barrier may be specified to make the sensor assembly Intrinsically Safe where applicable (Part. #A00071)

The system will comprise of

- A. Controller Part # A00235 (24 vdc)
  - or Part # A00233 (120 vac)
  - or Part # A00236 (230 vac)

plus

- B. Float Sensor Part # A00083

The controller and float shall be the Model 9830-HCF as manufactured by Arjay Engineering, [www.ArjayEng.com](http://www.ArjayEng.com).