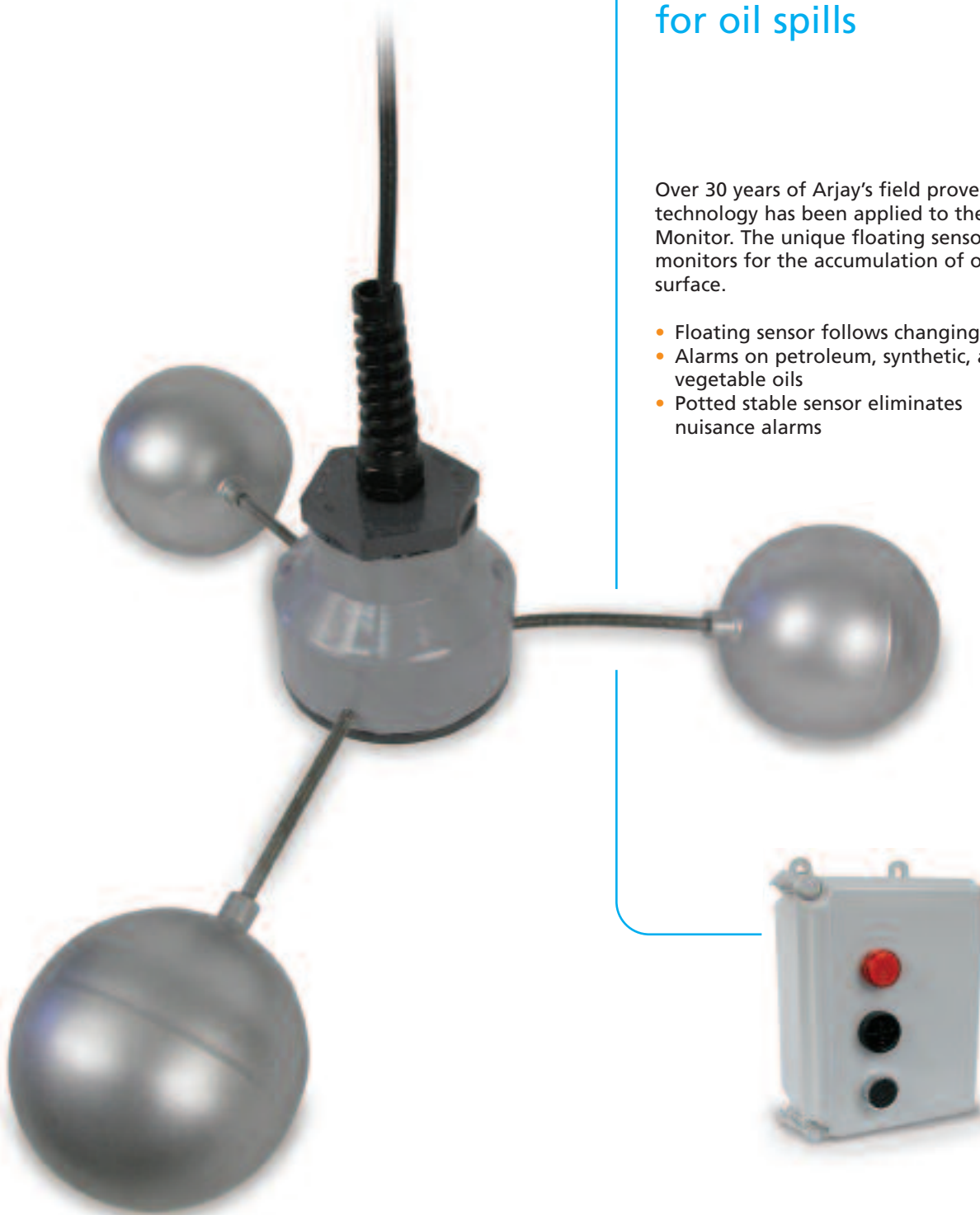


Floating Oil Spill Alarm

Reliable monitoring of sumps and containments for oil spills

Over 30 years of Arjay's field proven HF capacitance technology has been applied to the 9830-HCF Oil Monitor. The unique floating sensor continuously monitors for the accumulation of oil at the water surface.

- Floating sensor follows changing water levels
- Alarms on petroleum, synthetic, and vegetable oils
- Potted stable sensor eliminates nuisance alarms



9830-HCF

The 9830-HCF sensor monitors the surface dielectric and locks in on the capacitance of the water. Oil that separates to the surface changes the capacitance field and activates the relay alarms.

This unit is normally used in sumps or containments where oil is not typically present. An upstream leak or spill that accumulates in the sump will alarm the monitor. The floating design allows the unit to track the changing water level in the sump and immediately alert operators, pumps or valves.

■ Features and Benefits

- stable tri-float design follows level changes
- adjustable time delay and sensitivity to eliminate nuisance alarms
- remote electronics via standard twisted pair
- available with Intrinsic Safety Barrier for Hazardous Locations
- waterproof PVC and SS wetted parts allow for use in harsh environments
- unit also alarms on dry sump conditions to shut down pumps
- capacitance technology responds to all types of oils and separated liquids of similar dielectrics
- alarms at 6mm separated surface oil

■ Technical Specifications - Control Unit

Operating Temperature	-20°C to 50°C
Power Input	24 vdc or 110 vac or 220 vac
Alarm Relay	5 amp, DPDT, dry
Standards	UL, CSA, Entela
Enclosure	Type 4X polycarbonate
Range	Alarms at 6mm oil

■ Technical Specifications - Float Sensor

Operating Temperature	0°C to 50°C
Wetted Parts	PVC and 304SS
I.S. Approval	CSA Class 1, Zone 2, Div 2, Groups A,B,C,D (when ordered with Intrinsic Barrier Option)



The electronic components are mounted safely above the water level. The unique PMC circuit design, exclusive to Arjay, immediately converts the sensor signal to a frequency pulse for furtherance to the controller.



The Arjay Level Ease controller can be used where oil thickness indication or CE declaration is required. Refer to Model 2114-HCF.



All calibration, control relays and power wiring is available at the main control unit. This can be safely mounted up to 1 km away from the sump.

Arjay SS-06



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