

## **Sample Specification for Liquid Interface Alarm (2852 IFA)**

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

A pulse card mounted at the probe head will pulse the signal to the control unit via 2-conductor shielded cable. The control unit can be mounted up to 1 km distance. The sensing probe shall be of Teflon and 316 SS wetted parts.

All calibration, power and control wiring shall be at the wall mounted Type 4X/IP65 control unit. Power input shall be specified as 24vdc or 80-240 vac.

A time delay and sensitivity adjustment shall be standard to avoid nuisance alarms. The alarm relays shall be two SPDT, 10 amp dry contact. Terminal connections shall be plug-in type for ease of maintenance. An RS-485 Modbus communication port will be standard.

The probe length is to be sized to the application. The unit will alarm when a liquid of one dielectric is displaced or changed to a liquid of a different dielectric, such as fuel displaced by condensation water.

A top mounted sheathed probe or side mounted probe can be used.

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

The system shall be the Model 2852-IFA and probe as manufactured by Arjay Engineering Ltd., [www.ArjayEng.com](http://www.ArjayEng.com).