

Sample Specification for Interstitial Leak Alarm (Model 2852 ILA)

The level probe shall be of a high frequency capacitance technology to monitor for the dielectric change between the leaked liquid and air.

A 2-conductor shielded cable will run from the probe to the control unit that can be mounted up to 1 km distance. The sensing probe shall be of PVC 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 to 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 blocks shall be plug-in for ease of maintenance. An RS-485 Modbus communication port will be standard.

The probe length is to be sized to the application. The flexible probe will run between the two tank walls around one half the circumference of the tank to approximately the 7 o'clock position.

The sensor will detect intrusion of liquid through the external wall into the interstitial space or through the internal wall into the interstitial space.

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

The controller and probe shall be the Model 2852-ILA as manufactured by Arjay Engineering Ltd., www.ArjayEng.com.