

## **Sample Specification for Interstitial Leak Alarm (Model 9830 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 .8 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 control unit. 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. Terminal blocks shall be plug-in for ease of maintenance.

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. The probe tip is to sense the lowest portion of the tank where liquid leaks may collect.

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

The standard probe assembly shall carry a CSA Class 1 Div 1 Approval.

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 # A00262 (24 vdc)
  - or Part # A00263 (120 vac)
  - or Part # A00264 (230 vac)

plus

- B. Probe Sensor Part # PGA-"length" – M-X

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