

Sample Specification for Leak Pad Sensor Alarm (9830 LPS)

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

Co-axial cable will run from the sensor pad to a pulse card mounted in close proximity to the sensing area and above the containment floor grade. 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, polycarbonate and epoxy wetted parts. There shall be no electronics at the sensor. Up to three sensor pads can be connected to one Pulse Card.

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 3 mm of leak level under the sensor 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 # A00267 (24 vdc)
 - or Part # A00268 (120 vac)
 - or Part # A00269 (230 vac)

plus

- B. Leak Pad Sensor Part # A00062

The controller and sensors shall be the Model 9830-LPS as manufactured by Arjay Engineering, www.ArjayEng.com.