2852-**LPS**
Area Leak Alarm

Reliable monitoring of liquid leaks in containments and floor spaces

Over 40 years of capacitance experience stands behind the 2852-LPS leak alarm. The sensors continuously monitor for the accumulation of liquid in a normally dry condition.

- capacitance technology responds to any liquid type
- no moving parts
- remote alarm unit mounts safely away from monitoring area
- available for hazardous rated locations

The 2852-LPS sensor monitors the capacitance field between the sensor pad and the floor. A single push button calibration at the controller locks in on the capacitance field of all sensing pads. Any liquid that intrudes into the pad space will increase the capacitive field and initiate an alarm.

6 meters of co-axial cable

sensing pucks

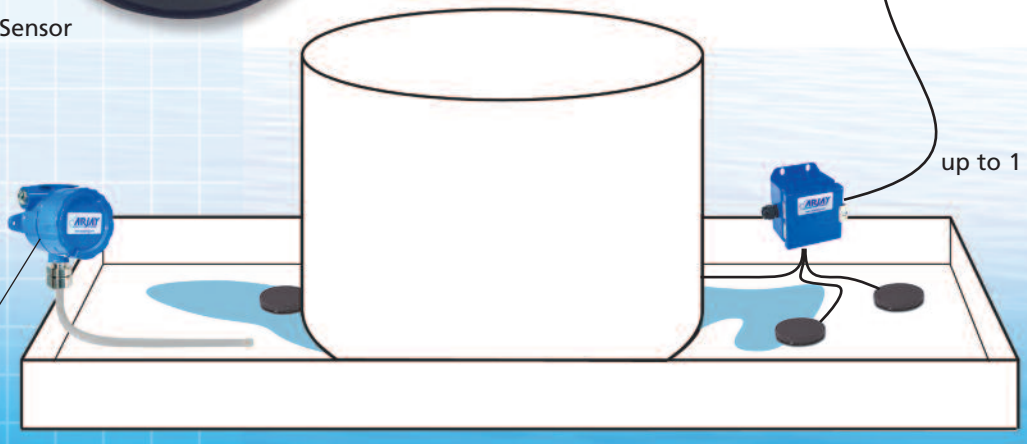
Remote Electronics available in painted steel, SS or polycarbonate enclosure

optional alarm light and/or buzzer

Optional Intrinsically Safe Sensor

- **tank and room leaks**
- **underground vaults**
- **sub floors**
- **valve and pump pans**

explosion proof rigid probe styles are available



up to 1 km

2852-LPS

Features and Benefits

- sensor pads can be placed in key locations and tight spaces
- up to 3 sensor pads can connect to one control unit
- adjustable time delay and sensitivity to eliminate nuisance alarms
- remote electronics via standard twisted pair
- sensor available Intrinsically Safe for Hazardous Locations
- high grade epoxy and PVC wetted parts allow for corrosive environments
- capacitance technology responds to all types of liquids
- ideal for fuels and chemicals

Technical Specifications - Control Unit

Operating Temp.	-20˚C to +55˚C
Resolution	.04 pF at 1,000 pF
Accuracy	0.2%
Power Input	12 vdc or 24 vdc or 100-240 vac +/-10%
Alarm Relay	Two common 3 amp SPDT dry contacts
Analog Output	4 mA normal/20 mA alarm
Communication	Modbus RS-485
Enclosure	Type 4/IP 66 painted steel or Type 4X/IP 66 polycarbonate or SS
Optional	Light, buzzer, beacon

Technical Specifications - Sensing Pads

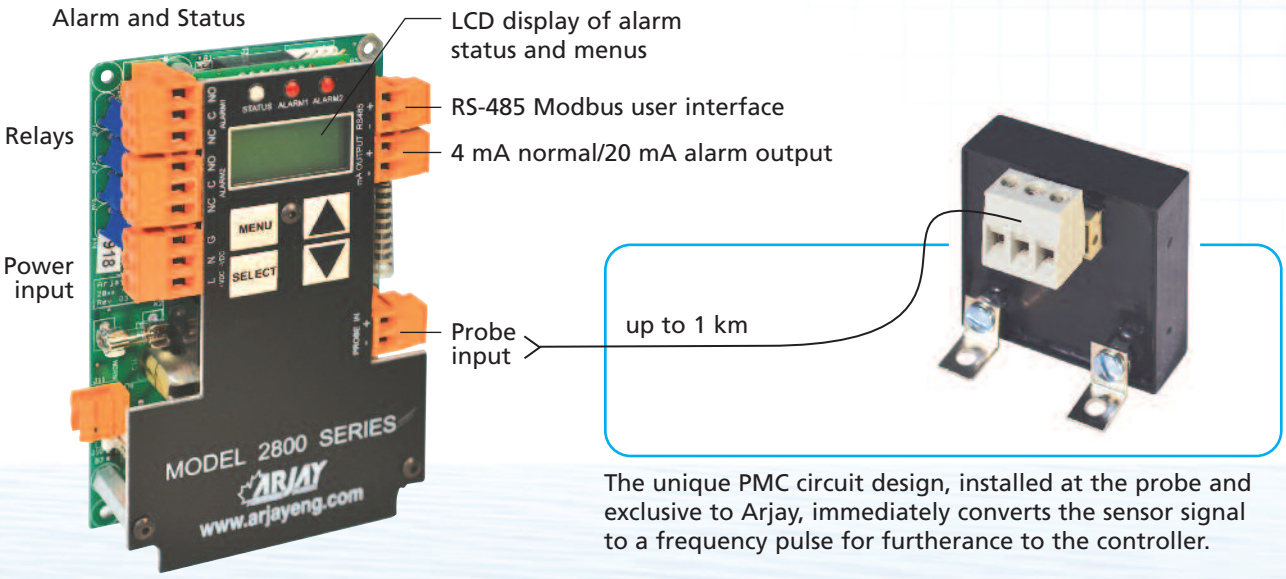
Operating Temp.	-60˚C to +55˚C
Wetted Parts	High grade marine epoxy and PVC (optional PVDF/TFE)

Sensor materials are eligible for NACE MR-0175 Compliance

Certifications (certificates available on website)

Included Standard on Control Unit and Sensor - Ordinary Location Use
UL/CSA/IEC 61010-1
CAN/CSA 22.2
CE

Optional on Sensor for Hazardous Location Use
(Intrinsic Safety Barrier must be ordered in control unit)
UL/CSA/IEC 60079
ANSI/UL 913-2013
Class I; Division 1,2; Groups A,B,C,D; T4
Class II; Division 1,2; Groups E,F,G
Class III; Division 1,2
Class 1, Zone 0,1,2; Ex ia IIC T4 Ga



The unique PMC circuit design, installed at the probe and exclusive to Arjay, immediately converts the sensor signal to a frequency pulse for furtherance to the controller.

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