

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 alarms on any liquid
- 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

Optional Intrinsically Safe Sensor

sensing puck

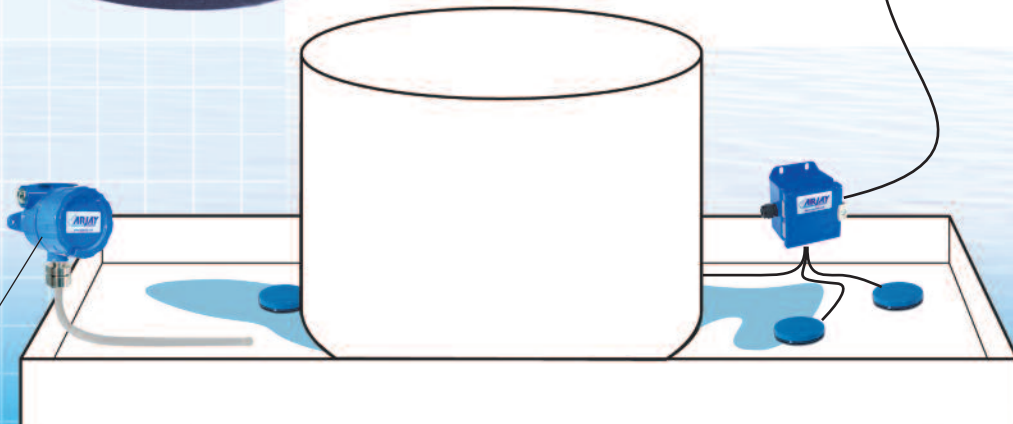
Remote Electronics available in painted steel, SS or polycarbonate enclosure

optional alarm light and/or buzzer



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

explosion proof rigid probe styles are available



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

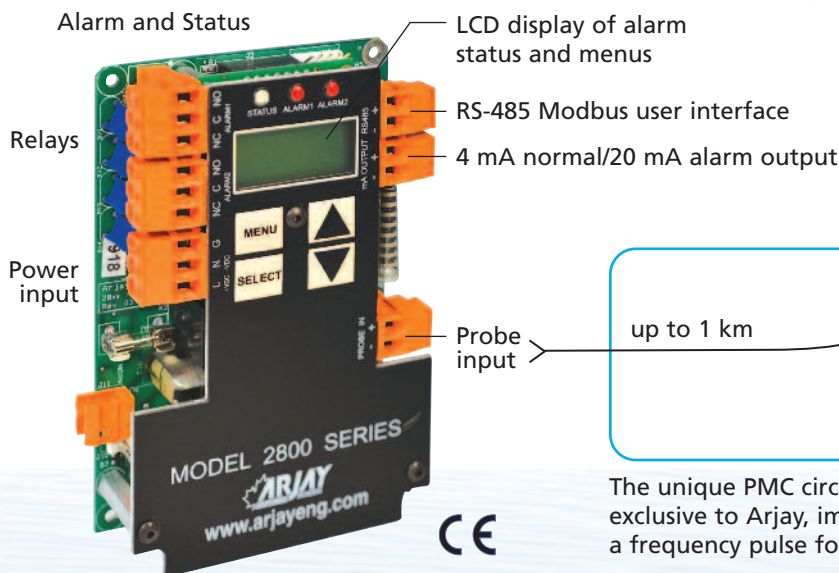
Technical Specifications - Control Unit

Operating Temp.	-20°C to +55°C
Resolution	.007% (.07 pF at 1,000 pF)
Accuracy	.04% of full scale pF
Power Input	12 vdc or 24 vdc or 100-240 vac +/-10%
Alarm Relay	2 x 10 amp@240 vac, SPDT, dry
Analog Output	4 mA normal/20 mA alarm
Communication	Modbus RS-485
Certified	UL 61010-1, 2 nd Edition CAN/CSA-22.2 61010-1-4 IEC/EN 61010-1, 2 nd Edition IEC 61326-1 CE Declared
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
Intrinsic Safety	CSA Intrinsically Safe when ordered with Approved Barrier in Control Unit Div 1, Class I, Groups A,B,C,D; Class II, Groups E,F,G; Class III, Encl. Type 4
Wetted Parts	High grade marine epoxy and PVC (optional PVDF/TFE).

Sensor materials are eligible for NACE MR-0175 Compliance



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.



Arjay Engineering Ltd. 2851 Brighton Road Oakville, Ontario Canada L6H 6C9

<http://www.arjayeng.com> telephone: ++1 905-829-2418 N. America toll free: 1-800-387-9487 fax: ++1 905-829-4701

