

9830-ILA

# Interstitial Tank Leak Alarm

Reliable monitoring of the interstitial space in double wall tanks

Over 30 years of Arjay's field proven HF capacitance technology has been applied to the 9830-ILA leak alarm. The flexible cable probe continuously monitors for the accumulation of liquid in the normally dry tank wall.

- capacitance technology alarms on any liquid
- no moving parts
- remote alarm unit mounts safely away from tank site



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The 9830-ILA probe monitors the interstitial space at the bottom of the tank and locks in on the capacitance field around the probe tip. Any liquid that intrudes into this space will increase the capacitive field and initiate an alarm.

The leak source can be from the stored product leaking from the tank or from groundwater leaking through the outer wall.

## ■ Features and Benefits

- stable stationary probe wraps the tank belly
- adjustable time delay and sensitivity to eliminate nuisance alarms
- remote electronics via standard twisted pair
- available with Intrinsic Safety Barrier for Hazardous Locations
- SS and PVC wetted parts allow for corrosive environments
- capacitance technology responds to all types of liquids

## ■ Technical Specifications - Control Unit

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | -20°C to 50°C                |
| Power Input           | 24 vdc or 110 vac or 220 vac |
| Alarm Relay           | 5 amp, DPDT, dry             |
| Standards             | UL, CSA                      |
| Enclosure             | Type 4X, IP65                |
| Optional              | Lights and Buzzer            |

## ■ Technical Specifications - Sensing Probe

|                       |  |
|-----------------------|--|
| Operating Temperature | -60°C to 50°C  |
| Approval              | CSA Class 1, Zone 2, Div 2, Groups A,B,C,D (also available with an Intrinsic Barrier Option) |



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



All calibration, control relays and power wiring is available at the main control unit. This can be safely mounted up to 1 km away from the tank.

Arjay SS-06



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

tel  
fax  
N. America  
email  
web

++1 905-829-2418  
++1 905-829-4701  
1-800-387-9487  
arjay@arjayeng.com  
www.arjayeng.com

