

2882-LS Probe Mounted Level Switch



Reliable level alarm and control of liquids and solids

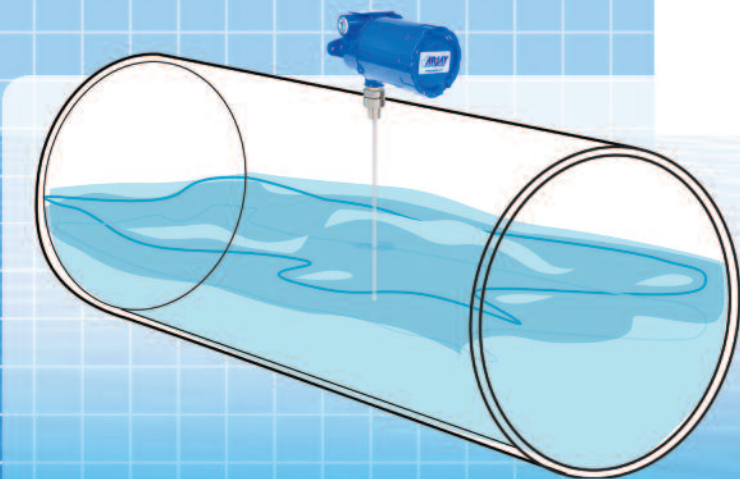
Over 40 years of capacitance experience stands behind the 2882-LS Level Switch. As a liquid or solid rises or lowers around the probe, the capacitance field changes. This is monitored and used to control the two onboard relays.

- no moving parts
- electronics are integral to probe
- high corrosion resistant Teflon and 316SS parts
- HF capacitance does not require routine cleaning
- easy calibration and control set-up

Each relay includes full differential control to allow the relay to activate and de-activate between two distinct at user determined points on the probe. This can be used for pump and valve control between high and low level points. Adjustable time delay is standard to suppress spurious alarms from turbulence.



Teflon coated probe
(length to order)



2882-LS

Features and Benefits

- no moving parts
- electronics is integral to the probe
- high corrosion resistant Teflon and stainless steel wetted parts
- capacitance technology responds to all product types
- HF capacitance technology does not require routine cleaning
- easy calibration and control set-up

Technical Specifications - Electronics

Operating Temp.	-20°C to +55°C
Resolution	.04 pF at 1,000 pF
Accuracy	0.2% of full scale pF
Power Input	12 vdc or 24 vdc, 0.1 amp max. 100-240 vac +/- 10%
Communication	RS-485 Modbus
Control Interface	Two independent 3 amp SPDT relay contacts and analog output 4 mA normal / 20 mA alarm

Technical Specifications - Probe

Process Temp.	-60°C to +260°C (Teflon probe)
Pressure	103 bar/10342 kPa/1500psi at stable temperature
Wetted Parts	316SS and Teflon

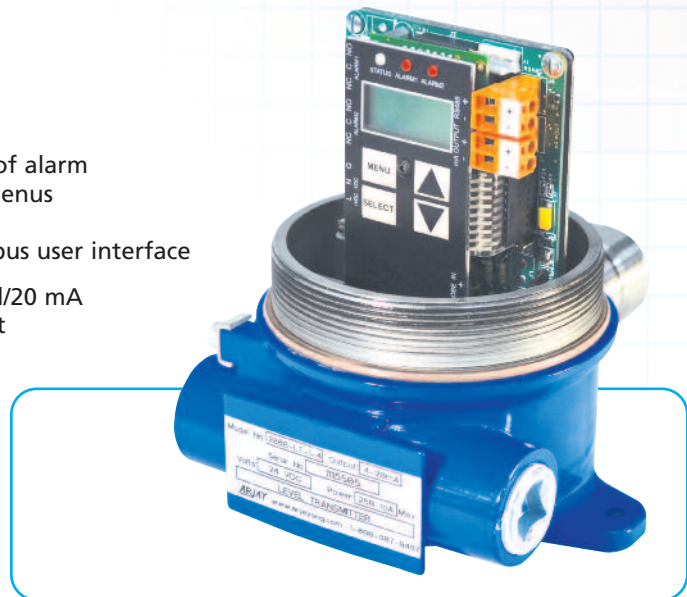
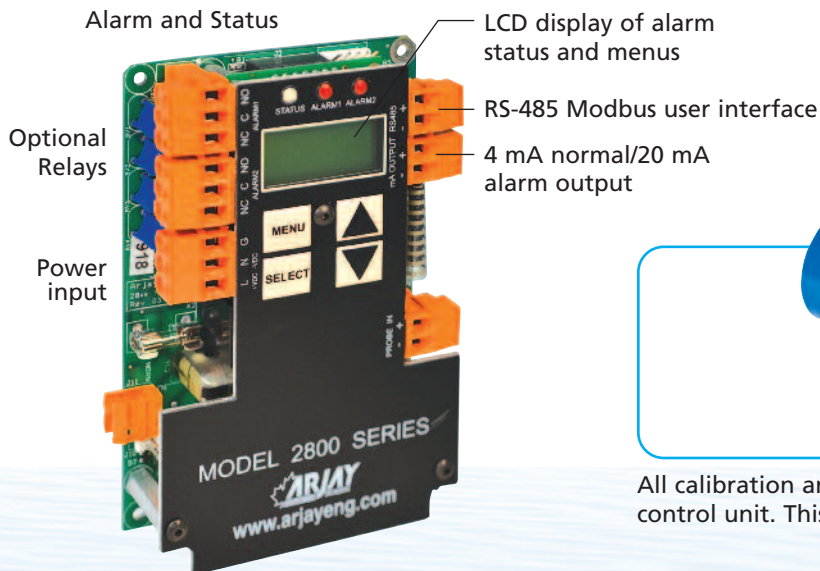
The electronics for this model can be mounted remote from the probe. For a remote controller in a Hazardous Location, see the Model 2882-LS. For a remote controller in an Ordinary Location, see the Model 2852-LS.

Certifications (certificates available on website)

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

Optional Hazardous Location Use - Explosion Proof
USA/Canada Zone 1,2; AEx db IIC T5 Gb
IECEX/ATEX Zone 1,2; Ex db IIC T5 Gb

Also included Standard on Probe
CRN # 0F07450.2 (all provinces)
NACE MR-0175 Compliant where applicable



All calibration and power wiring is done at the main control unit. This is mounted directly onto the probe.



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