2852-LS Two Point Level Switch



Reliable level alarm and control of liquids and solids



2852**-LS**

Features and Benefits

- no moving parts
- remote electronics via standard twisted pair
- explosion proof probe is standard
- probe is available with Intrinsically Safe option for alternative HazLoc protection
- high corrosion resistant Teflon and stainless steel wetted parts
- capacitance technology responds to all liquid and solid types
- HF capacitance technology does not require routine cleaning
- easy calibration and control set-up
- two discrete relay setpoints on one probe, each with 100% differential control

ENGINEERING

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,
	discrete relays with differential control
Analog Output	4 mA normal/20 mA alarm pegged to Relay
	high differential setpoint
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 - Probe

Probe	-60°C to +260°C
PMC	-60°C to +55°C
Pressure	103 bar/10342 kPA/1500psi at stable temp
Explosion Proof	CSA Div 1, Class 1, Groups C,D
Intrinsic Safety	Approved Intrinsically Safe when ordered with Approved Barrier in Control Unit
	CAN/CSA E60079-11: Class I, Groups A,B,C,D;
	Class II, Groups E,F,G; Class III, Encl.Type 4
CRN	ABSA-CRN #OF07450.2
Wetted Parts	316SS and Teflon

Probe materials are eligible for NACE MR-0175 Compliance



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1