System Description

The PLC controlled level sensing system provides real time measurement of fluid levels in hazardous and non-hazardous conditions. The ultrasonic non-contact sensor is capable of providing high and low levels using both visual and/or audible alarms. Our system delivers a small, compact and simple to use package that can be easily customized for mix, transfer or waste tanks of varying depths.
Standard Features/Benefits

- Inexpensive method of single or dual level indication and annunciation.
- User programmable outputs for response to different detected levels.
- Audible alarms for warning and faults.
- Non-contact ultrasonic level sensor that works with numerous level sensors that can be programmed for multiple levels.
- Standard configuration is for a non-contact, non-hazardous application. Also available in explosion proof or intrinsically safe configurations.
- Five programmable solenoid outputs.

Technical Specifications

**Range:** 0.5 to 18 feet (15 cm to 5.4 m)
**Beam width:** 8° conical
**Temperature rating:** F: -40° to 140° C: -40° to 60° Temp. compensation: Automatic over entire range
**Pressure rating:** 30 psi (2 bar) @ 25 °C., derated @ 1.667 psi (.113 bar) per °C. above 25 °C.
**Enclosure rating:** NEMA 4X (IP65)
**Enclosure material:** Polypropylene (PP), U.L. 94VO
**Transducer material:** Polyvinylidene Fluoride (PVDF)
**Mounting gasket:** Viton (2") metric only
**Power Requirements:** 120 VAC @ 2 Amps
**Level Sensor Cable Requirements:** 2 Wire Shielded, 18 Gallon Cable
**Intrinsically safe when used with an approved I.S. barrier**
**Typical Signal Output:** GP: 4-20 mA, 12-36 VDC / IS: 4-20 mA, 12-32 VDC
**Mounting Threads:** 2” NPT (2” G)
**Conduit Connection:** 1/2” NPT (1/2” BSP)

**CE Compliance:** EN 50082-2 immunity
**EN 55011 emission**
**CSA Certificate:** LR79326-10