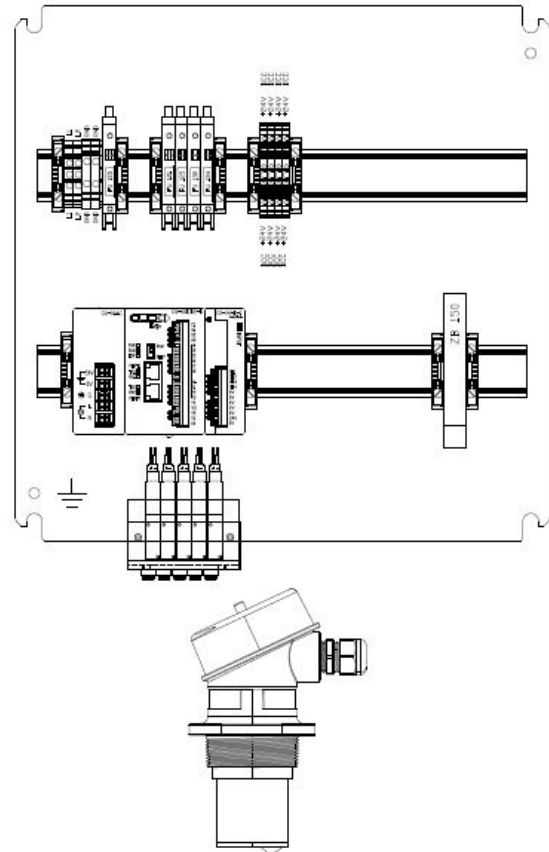
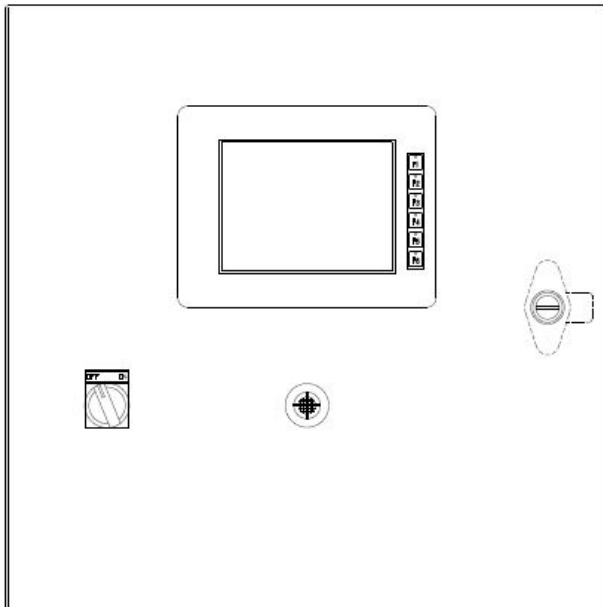


System Description

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 tanks of varying depths.



AUTOQUIP 3107

Liquid Level Sensing

Standard Features/Benefits

- Inexpensive method of single or dual level indication and annunciation
- User programmable levels
- Audible and distinguishable alarms for warning and faults
- Non-contact ultrasonic level sensor that works with standard configuration is for a non-hazardous application. Also available in explosion proof or intrinsically safe configurations

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



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