

Sample Specification for Level Alarm (Model 9820)

The level probe shall be of a high frequency capacitance technology to monitor for the dielectric change between the material and air or between the two liquids in interface applications.

The electronics is to be integral to the probe assembly and housed in an epoxy coated cast aluminum explosion proof housing. The sensing probe shall be of Teflon and 316 SS wetted parts.

All calibration, power and control wiring shall be at the control unit. Power input shall be specified as 12 vdc, 24 vdc, 120 vac or 230 vac. Terminal blocks are to be plug-in type for ease maintenance.

An adjustable time delay and sensitivity adjustment shall be standard to avoid nuisance alarms. The alarm relay shall be one DPDT, 5 amp, dry contact. A fully adjustable differential shall be standard to allow the relay to cycle on and off between two user settable points on the single probe.

The probe length is to be sized to the application. For top mounting, determine the probe length required from the probe fitting to the probe tip to accommodate the lowest alarm point. For side mount, a minimum 10 cm (4") is to be specified.

The standard probe assembly shall carry a CSA Class 1 Div 1, Group C,D Approval. (optional Group B where required)

The system will comprise of

- A. Controller Part # A00225 (12 vdc)
 or Part # A00227 (24 vdc)
 or Part # A00229 (120 vac)
 or Part # A00231 (230 vac)

plus

- B. Probe Sensor Part # PEA-"length"-Z

The Level Alarm shall be the Model 9820 as manufactured by Arjay Engineering, www.ArjayEng.com.