PRIMEX Float Switch Specification

The liquid level of the \_\_\_\_\_\_\_ shall be sensed by \_\_\_\_ (Qty) direct acting float switches. The system supplier shall furnish, install, and wire the float switches as shown on the drawings. Each switch shall be supplied with a minimum cable length of \_\_\_\_\_ (TBD based on project requirements). A float switch shall be provided for each of the following level switch points:

(Choose A or B; Edit as required/Specify each switch with basic function)

1. NORMAL CONTROL
2. High Level Alarm
3. Lag Pump On
4. Lead Pump On
5. Common Pumps Off
6. Low Level Alarm
7. BACKUP/REDUNDANT CONTROL
8. High High Level Alarm
9. Redundant High Level Alarm/Backup Control Activated-Pumps Start
10. Redundant Low Level Alarm/Redundant Pumps Off

Float switch(s) shall be designed to insure long life and reliable operation in both water and wastewater applications. Float switch body shall be constructed of high impact, corrosion resistant, polypropylene housing measuring not less than 2.74” in diameter and 4.83” long. The float shall have a long life, high reliability, SPST (available as normally-open/blue cap or normally-closed/red cap) internal switching mechanism. The switching mechanism shall employ sealed gold cross-point contacts rated for 1 Amp at 30 VDC/125 VAC. A multi-stranded, two-conductor, 18 gauge, CPE jacketed cable SJOW (UL, CSA) cable shall be part of the assembly. The cable shall be made especially for heavy flexing service. The entire float switch assembly shall be suitable for use in liquids up to 140 degrees Fahrenheit/60 degrees Celsius.

The float switches shall be mounted to a common stainless steel direct suspension mounting bracket. The bracket shall provide mounting and strain relief connectors for up to four (4) float switches. Individual PVC-coated weights with a cast-in-place cable slot shall provide drift free mounting. The float switches and accessories shall be as manufactured by PRIMEX.