

AOE Selection Guide

FEATURES:

- Accurate and Reliable Level Control
- Custom Sensor Configuration for Unique Applications
- Fitting, Stem and Float available in Stainless Steel
- Rugged Cast Iron NEMA 4 Fitting Housing
- 50 Watt Switch Contacts at 120/240 VAC
- Temperature Rated to 200° F
- Pressure Rated to 100 P.S.I. Max

APPLICATIONS:

AOE can be ordered with standard floats with a specific gravity of 0.6 and Interface floats with a specific gravity of 0.95. The standard float will float on most all liquids, The Interface float, however, with a specific gravity of 0.95 will float on water but sink in oil.

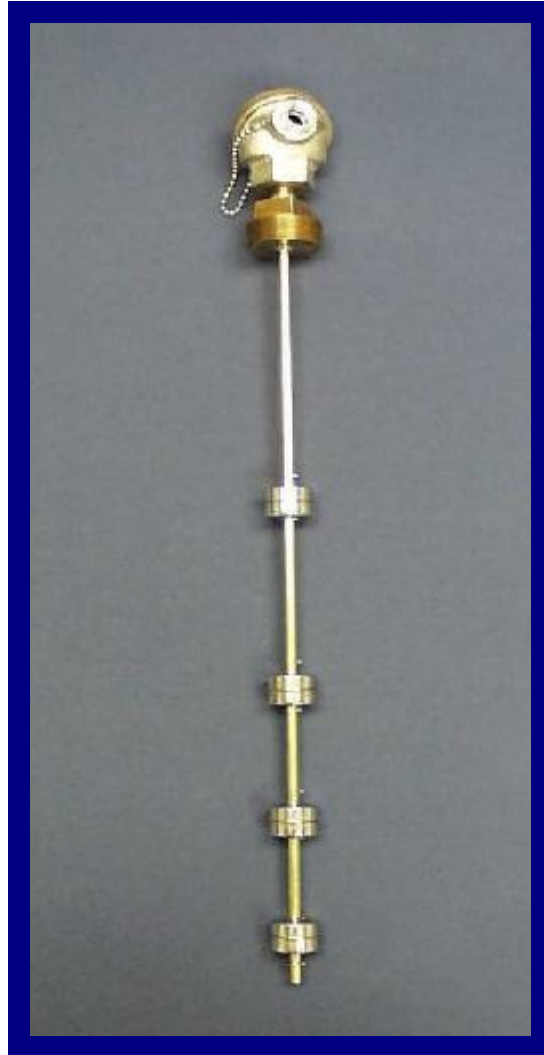
When used in a potentially explosive application, the AOE must be interfaced with an intrinsically safe level control. The float stem and 2" NPT fitting can be ordered in a brass or stainless steel. The floats on the AOE are stainless steel as standard.

OPERATION:

The Float switch contains small magnets, as the float rises and falls in the liquid, the magnets cause SPST dry reed switch potted in the stem assembly to open or close depending on the orientation of the float switch. Float activation can be ordered in a normally open or a normally closed configuration.

INSTALLATION INSTRUCTIONS:

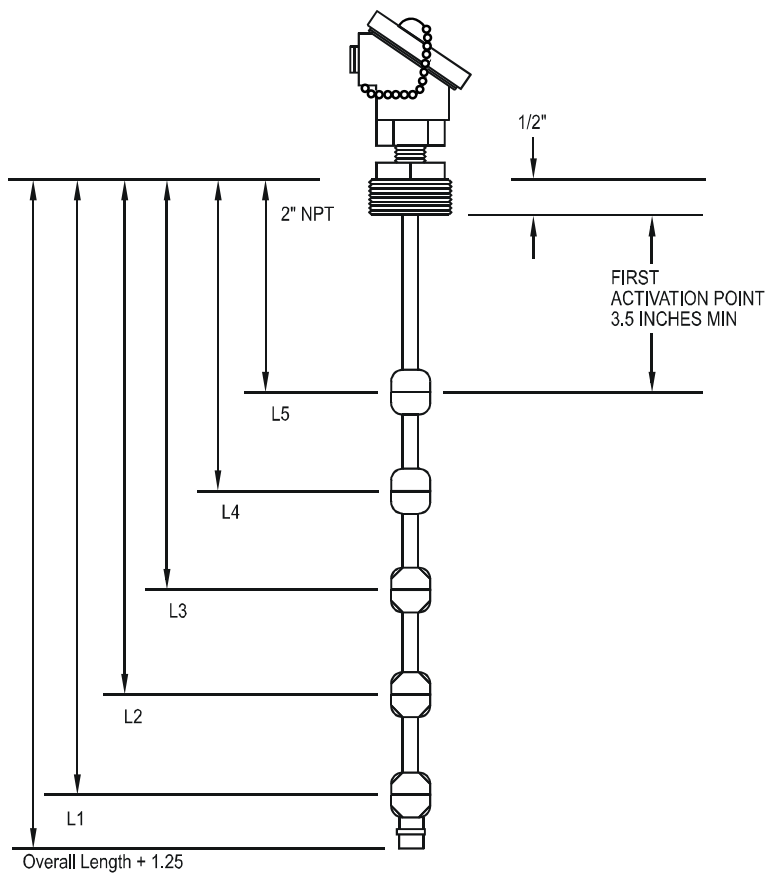
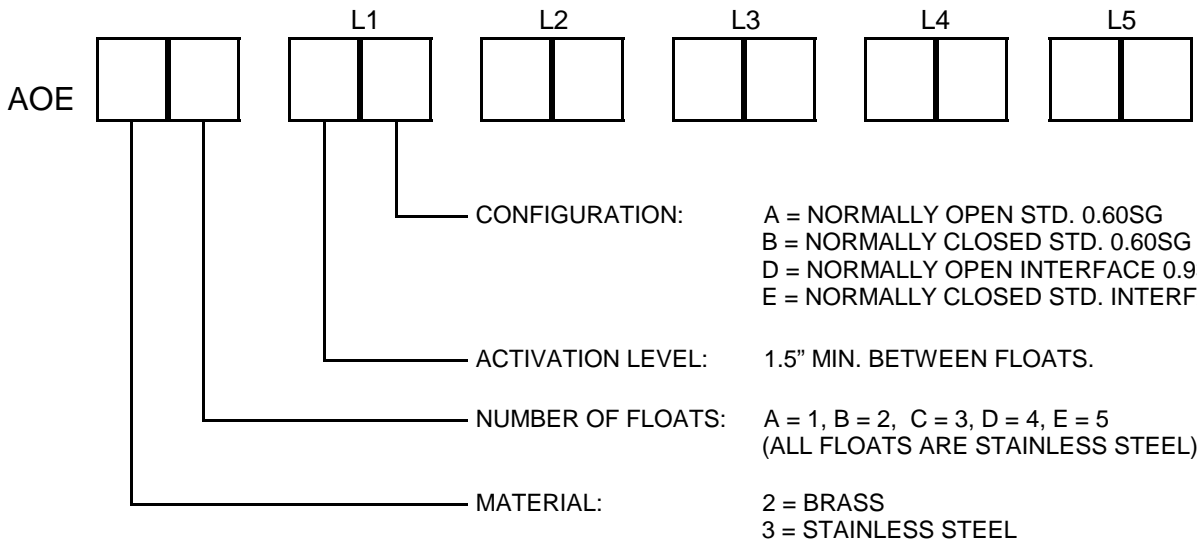
The AOE conduit head has a 3/4" NPT connection with a 1/2" NPT conduit adapter, for ease of electrical connection. When wiring to the Float switch wires, AWG 14 -16 Type MTW or THHN wire. Intrinsically safe wire must be used in "Hazardous Locations" applications and connected to intrinsically safe level controls. Consult NEC article 500 through 516 for additional guidance on Hazardous Locations. All splices, conduit and wiring conduit runs to the AOE, should be connected in such a way as to prevent moisture from entering the AOE conduit head. Water inside the conduit head could result in system failure. Liquid tight conduit is recommended.



(866) 697-TANK / (866) 697-8265

The logo for Kleerwater, featuring a stylized blue and black water drop icon above the company name 'Kleerwater' written in a large, bold, blue sans-serif font.

Form AOE-100
April, 2000



SPECIFICATIONS:

- HOUSING: CAST IRON NEMA 4
- FITTING: BRASS OR STAINLESS STEEL
- THREAD SIZE * : 2" - 11 1/2 NPT
- FLOAT SIZE: 1" WIDE
1/2" HIGH
- CONTACT RATING: 50 WATT 120/240 VAC
- STEM SIZE: .5/16"
- TEMPERATURE: 200° F
- PRESSURE: 100 P.S.I. MAX
- SPECIFIC GRAVITY: 0.6 STANDARD
0.93 INTERFACE
- WIRE COLOR CODE:
L1 = RED
L2 = YELLOW
L3 = BLUE
L4 = BROWN
L5 = BLACK

NOTES:

- 1) FOR TOTAL LENGTHS OF OVER 8 FEET, CONTACT FACTORY FOR SHIPPING AND CRATE ADDER
- 2) ACTIVATION LEVEL TOLERANCE + / - .125"
- 3) OVERALL LENGTH OF STEM IS L1 ACTIVATION POINT + 1.25

*** NOTE:**

CONSULT FACTORY FOR OPTIONAL MOUNTING APPLICATIONS

(866) 697-TANK / (866) 697-8265