

S003 SERIES

"TROMBONE" LEVEL SWITCHES FOR DIRTY & VISCOUS LIQUIDS

DESCRIPTION

The S003 is a low-cost, single or multi-point level switch designed for level indication in extremely contaminated or highly-viscous fluids. Developed for parts cleaners and chemical plating baths, the S003 features a telescoping float arm that slides in and out of the externally-mounted switch tube. The retractable float movement and isolated switch element also make it an ideal choice for thick, slurried or corrosive liquids where conventional float switches will not operate. The S003 is available in lengths extending up to 20" and can be equipped with three independent switch points. Various wiring options are also available.

PRINCIPLE OF OPERATION

The switching action is achieved through the use of a magnet rod assembly and its interaction with the switch mechanism. As the liquid level fluctuates inside the tank, the float follows and the magnetic rod assembly actuates the switch inside the tube, completing an electrical circuit.

KEY FEATURES

- Telescoping Float Arm For Various Tank Sizes & Levels
- Isolated "Dry" Switch Housing
- Adjustable Arm Movement
- All Stainless Steel Construction
- SPST or SPDT Switch Types

ENVIRONMENTAL

- Process Temperature: -40° to +500° F (-40° to +260° C)
- Process Pressure: 150 PSIG (10.3 bar)
- Float Specific Gravity: 0.75

ELECTRICAL

- Output:
 - SPST 20 VA
 - SPST 50 VA
 - SPST 100 VA
 - SPDT 100 VA

APPLICATIONS

-  Chemical Tanks
-  Etching & Plating Baths
-  Parts Washers
-  Sumps & Wells
-  Wastewater



DIMENSIONS

