



S003

Description

The S003 is a low-cost, single or multiple point level switch designed for use in extremely contaminated or highly viscous fluids. Developed for parts cleaners and chemical plating tanks, the S003 features a telescoping float arm that slides in and out of the switch tube which is mounted on the side of the tank and out of the process. The retractable float movement and isolated switch element make it an ideal choice for thick, slurried or corrosive liquids where a conventional float switch will not operate. Available in lengths extended up to 20", the S003 can be furnished with up to three independent switch points and a variety of wiring options and wetted materials.

Principle of Operation

A magnet located inside the float shaft actuates a hermetically sealed reed switch element sealed within the switch tube.

Key Features

- Telescoping float arm for a wide range of tank sizes and levels
- Isolated, "dry" switch housing
- Selectable arm movement
- All stainless steel construction
- SPST and SPDT switch types

Environmental

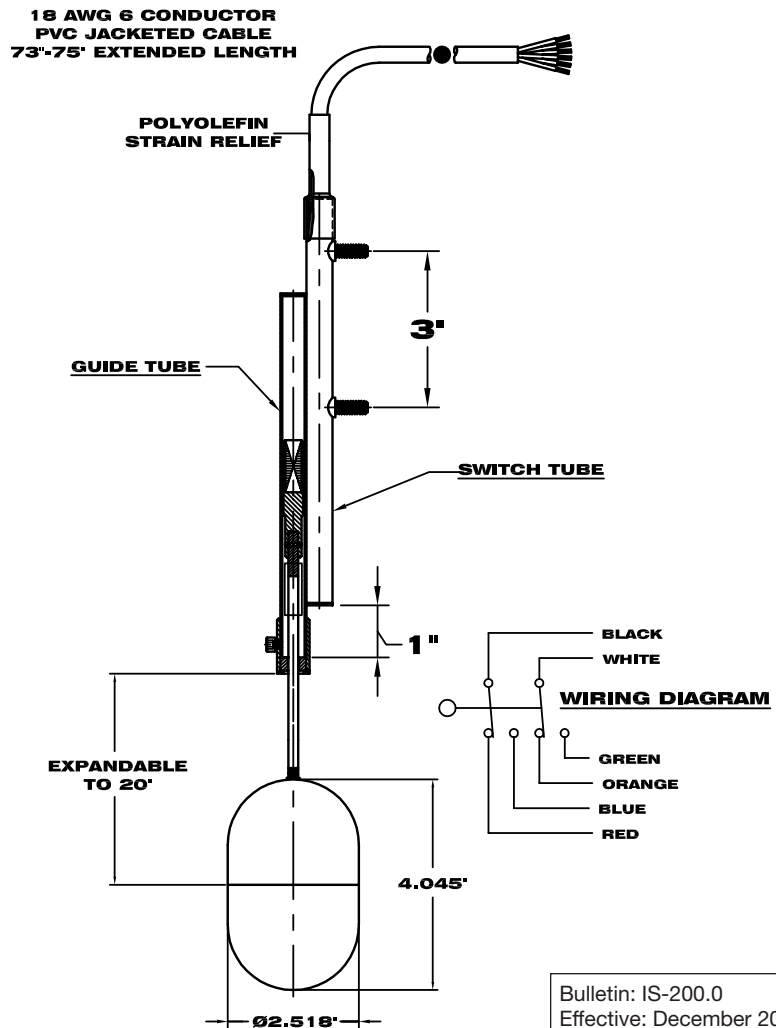
- Process Temperature: Stainless Steel: -40° to +500° F (-40 to +260° C)
- Process Pressure: Stainless Steel: 150 psig (10 bar)

Applications

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

Electrical

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



Bulletin: IS-200.0
Effective: December 2009