The Model TFLS2 Compact Tuning Fork Level Switch is an ideal choice for level control for powders. The TFLS2 incorporates a piezoelectric crystal that vibrates the fork at its natural frequency. When the fork comes in contact with a material, the vibration is dampened and the switch changes state. As the material is removed from the fork, the switch changes back to its normal state. Featured in the TFLS2 is user selectable fail-safe operation of the contacts. The unit is not affected by vibration from conveying systems, motors, or the movement of material. Its compact size allows for mounting in places a larger tuning fork level switch may not fit, providing great versatility.

The Model TFLS2 is easy to use with adjustable calibration, and no mechanical moving parts means no routine maintenance. The TFLS2 is not affected by the dielectric constant of the sensed material, making it superior to a comparable capacitance level switch for applications where the dielectric constant is low, more than one material is being used in the single vessel, and when material moisture content can change. The level switch is also great for applications when the bulk density is too low for a rotating paddle level switch, making it the ideal choice for low density bulk solids and liquids. Comes standard with a great for applications when the bulk density is too low for a rotating paddle level switch, the single vessel, and when material moisture content can change. The level switch is also great for applications when the bulk density is too low for a rotating paddle level switch, making it the ideal choice for low density bulk solids and liquids. Comes standard with a user friendly PNP/NPN configurable output.

SPECIFICATIONS

Service: Dry powder compatible with wetted materials.
Sensitivity: Min. bulk solid density: 4.4 lb/ft³ (70 g/l); Max. particle size: 0.4” (10 mm).
Wetted Materials: 316 L SS.
Temperature Limits:
Ambient: -40 to 140°F (-40 to 60°C);
Process: -40 to 266°F (-40 to 130°C).
Pressure Limit: 600 psi (40 bar).
Power Requirement: 20 to 250 VAC, 50/60 Hz.
Power Consumption: 10 VA.

Model TFLS2-01, Compact Tuning Fork Level Switch

The Model CTF Mini Tuning Fork Level Switch is an ideal choice for level control for powders. The CTF incorporates a piezoelectric crystal that vibrates the fork at its natural frequency. When the fork comes in contact with a material, the vibration is dampened and the switch changes state. As the material is removed from the fork, the switch changes back to its normal state. Featured in the CTF is user selectable fail-safe operation of the contacts. The unit is not affected by vibration from conveying systems, motors, or the movement of material. Its compact size allows for mounting in places a larger tuning fork level switch may not fit, providing great versatility.

The Model CTF is easy to use with no calibration required, and no mechanical moving parts mean no routine maintenance. The CTF is not affected by the dielectric constant of the sensed material, making it superior to a comparable capacitance level switch for applications where the dielectric constant is low, more than one material is being used in the single vessel, and when material moisture content can change. The level switch is also great for applications when the bulk density is too low for a rotating paddle level switch, making it the ideal choice for low density bulk solids and liquids.

SPECIFICATIONS

Service: Dry powder compatible with wetted materials.
Sensitivity: Min. bulk solid density: 4.4 lb/ft³ (70 g/l).
Wetted Materials: 304 SS and 316 L SS.
Temperature Limits:
Ambient: -40 to 212°F (-40 to 100°C);
Process: -40 to 266°F (-40 to 130°C).
Pressure Limit: 600 psi (40 bar).
Power Requirement: 12 to 35 VDC.
Power Consumption: 10 mA (max) @ 12 to 55 VDC.

Model CTF-01, Mini Tuning Fork Level Switch

APPLICATIONS

Lime, styrofoam, tobacco, dry cereals, sugar, animal feed, milk powder, flour, insulation, cement, paper shavings, plastic granules, sawdust, carbon black, light fibers, detergent powders, dyes, chalk, silica, sand, wood chips.