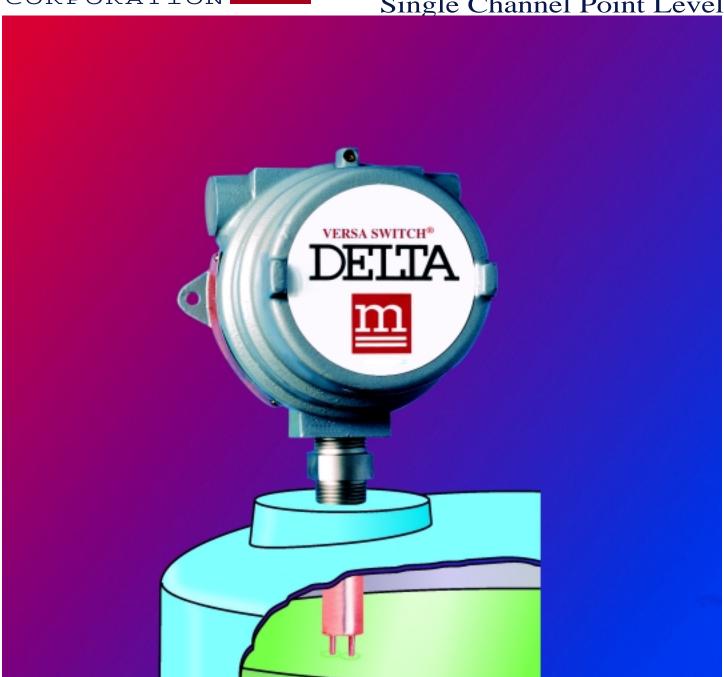


VERSA-SWITCH® MODEL LS51SC Single Channel Point Level



- Thermal point level switch for the detection of level in all vessels.
- Wide operating temperature range -100° F to +850° F (-70° C to +458° C).
- Switch on level change of .03 inch without concern for changing temperature, density, dielectric constant or chemical composition.
- Removable, plug in electronics.

- Free of all moving parts that can stick coat or fail.
- Fast response time of .1 to 1 second on wetting, media dependent.
- Self heating sensor design improves repeatability. No separate heater to fail or slow response time.
- Two Year Workmanship Warranty.

MODEL LS51SC

VERSA-SWITCH®

Single Channel Point Level Switch

SPECIFICATIONS

Sensor

Type:

Thermal Differential, Dual RTD Sensors

Process Connection:

Standard 0.75 inch MNPT

Optionally 0.5 inch and larger MNPT and various other process connections such as sanitary and flanges

Insertion Length:

Standard 2.0 inch

Optionally 0.5 inch or greater up to a length of 30 feet

Operating Temperature Range:

Standard -100° F to 390° F $(-70^{\circ}$ C to $+200^{\circ}$ C)

Medium Temperature to +572° F (+300° C)

High Temperature to +850° F (+458° C)

Materials of Construction:

Standard 316 Series Stainless Steel

Optionally Hastelloy, Monel, Inconel and other exotic materials

Operating Pressure Range:

Standard to 3000 psia (207 bar)

Electronics

Powers

Standard Field selectable 110VAC, 220VAC, or 24VDC at 3 watts (No heater power required)

Operating Temperature Range:

Standard -40° F to $+140^{\circ}$ F $(-40^{\circ}$ C to $+60^{\circ}$ C)

Optionally Remote electronics for use in medium and high temperature environments

Outputs:

Independent relay DPDT, contacts rated at 5 amp, 250 VAC with fail safe capability.

Self-Test:

Integral and automatic during power up.

Enclosure:

Explosion proof; NEMA 3, 4, 7, and 9; CSA, FM, UL, CENELEC, and EECS approved

Instrument

Response Time:

Sensor response time 0.1 to 1 second on wetting, media dependent.

Response to level Change:

Will respond to a level change as small as .03 inch.

Approvals:

FM and CSA approved as a complete operating unit.

Model Number Selection Guide

Code - Model LS51SC - Single Channel Point Level Switch Code - Process Connection 3A1 - 1.5 inch Sanitary w/3A Stamp 075 - 0.75 inch MNPT (std) 050 - 0.50 inch MNPT 100 - 1 inch MNPT RA1 - Raised face flange 150 # 1 inch RA2 - Raised face flange 150 # 2 inch RB1 - Raised face flange 300 # 1 inch RB2 - Raised face flange 300 # 2 inch FA1 - Flat face flange 150 # 1 inch FA2 - Flat face flange 150 # 2 inch FB1 - Flat face flange 300 # 1 inch FB2 - Flat face flange 300 # 2 inch SPL - Special Code - Sensor Material S6-316 Stainless Steel (std) S4-304 Stainless Steel SL - 304L Stainless Steel HB - Hastelloy B HC - Hastelloy C IO - Inconel 600 MN-Monel A2 - Alloy 20 SM - Special Material Code - Insertion Length 002.00 - 2.00 inch (std) 000.00 - 0.50" to 12.00" in .25" 000.00 - 12.25" to 120.00" in .25" 000.00 - Custom length Code - Power Input FLD - Field Config. (std) 110-110 VAC 220 - 220 VAC 24D - 24 VDC 24A - 24 VAC Code - Configuration LE-Local electronics(std) **RE-Remote electronics** Code - Special Option 00 - No Special Opt. CB - Calibration req. EN - Extended Neck XW-X proof window VI- Variable Insertion LT - Live Tap DS - Double Sided MT - Medium Temp. HT - High Temp. RT - RTD Output TO - Thermocouple LS51SC - 075 - S6 - 002.00 - 110 - LE - 00 Model Number

Form Number (DML 1006.01)