Techtrol RF Capacitance Level Switch - RFC



Consists of a Sensing Probe with Electronic Control unit Integral with the Probe. The sensing probe comprises of 3 elements viz. Sensing rod, SS Coatguard Shield and PTFE Insulation for powders & slurries and Ceramic Insulation for heady duty apllications. The combination of electronics and coat guard technique provides immunity against material built-up on the probe & container wall.

Salient Features:

- High reliability, as coat guard technique ignores material built-up on the probe.
- Ease to calibrate & install
- Suits highly dusty environment.
- Field selectable operation logic to configure either High or Low level switching.
- Economic solution for critical applications.

Specifications:

Sensing Probe:

Probe Type : Standard or Heavy Duty

Std. Probe Length: 300 mm (Standard), 350 mm (Heavy Duty) Max Probe Length: upto 1000 mm (Rigid), upto 3000 mm (Flexible)

Sense Rod : SS304 Coat Guard Shield : SS304 Extnd Grounding : GI or SS304

Insulation : a) PTFE -150°C (std), 200°C (with GI standoff)

b) Ceramic-150°C (std), ≥200°C (with GI standoff)

Max. Optg. Temp : upto 150°C (Std/heavy duty probe)

upto 200°C Temp Standoff (GI) (Std/heavy duty probe) upto 450°C Temp Standoff (GI) (Heavy duty, Two Part)

upto 600°C with Radiating Fins (Heavy duty, Two Part)

Mounting : Top/ Side

Process Connection: Screwed- 11/2"BSP(M), Flanged- 11/2"NB ANSI 150#

Enclosure : Cast Al. IP66 x PG13.5 Cable Gland Polymide or

Casl Al. Exd Gr. IIB x 1/2" NPT DC Cable Gland,

Brass

Control Unit:

Enclosure x Cable : 1) Cast Al IP66 (Integral or Two Part Sys) x 2 nos,

Entry PG 13.5 Cable Gland (Polyamide)

: 2) Cast Al. Exd IIB (Two Part Sys) x 2 nos, ½"NPT Cable Gland, Double Compression (Brass)

Ambient Temp. : 0 °C to 60 °C

Supply : 110 or 230 VAC, 50 Hz (±10%) or 24 VDC

Power : 2 VA

Output : Relay x DPDT; 5A, 250 VAC (Resistive Load)
Switching Delay : Continuously adjustable from 2 to 20 secs

(optional) probe free and covered

Safety Operation : Field selectable switch (FSL/FSH) for min or max

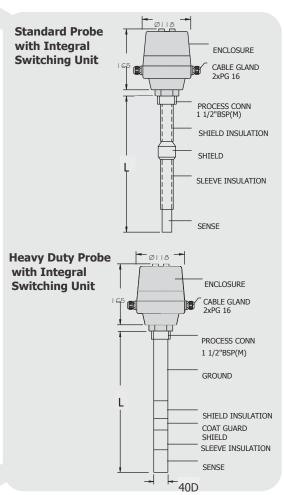
switching

LED Display : Green- Normal; Red- Alarm; Yellow- Power On

Signal Cable : 2 core, PVC insulated, low capacitance, co-axial

cable with additional drain wire.



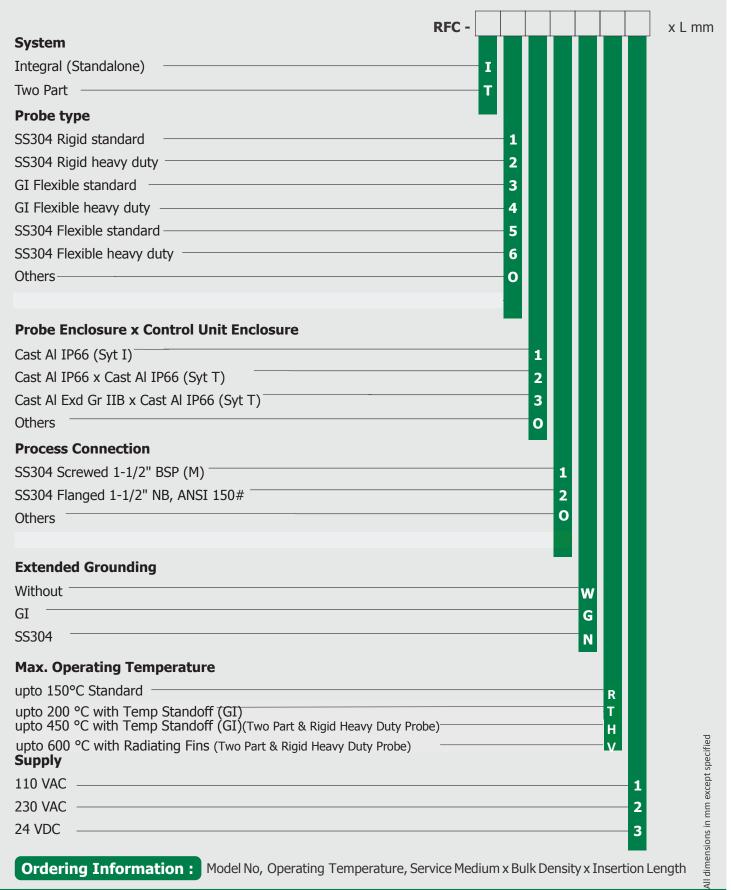


Applications:

Cement, Sand, Lime, Soda Ash, Fly Ash, Coal Powder, Talcum Powder, Milk/ Chocolate Powder, Coffee, Sugar, Salt, Resin Powder & Pellets, Grain & Grain Slurry, Grain Flour, Paddy Husk, Corn Stalk, Molasses, Fruit Pulp, Tomato Paste, Butter, Fish Food, Sludge, Chemical/ Solvent Slurry, Molten Naptha, Sewage, Cream/Lotion, Alumium Chips, Clinker.

Model Identification:





Pune Techtrol Pvt Ltd [CIN: U31909PN1991PTC063403]



