

Technical Bulletin

Re: CustomKraft level control float switch

Description: Crydom® float switch for positive fluid level controls on high volume tanks. Component replaces stainless steel conductivity probes and uses level control integrated circuit boards. The float replaces the probes to eliminate the scaling and/or non-conductance problem associated with poor supply water quality.

Operation

The unit is a totally sealed polypropylene, magnetically operated reed-switch float. The float operates as a low amperage on-off switch (0.6 amps up to 240 VAC). When used in conjunction with the level control integrated circuit (IC) board, the float will operate a Dema 474 normally closed solenoid for positive fluid level control. The IC board increases the amperage load to a fused 1.0 amp circuit to operate the solenoid safely.

Exclusive features for the float switch include:

- Compact design.
- Operates on a range of voltages.
- Total sealed Polypropylene unit isolates fluid from electronic components.
- Magnetically operated for safe operation in conductive or flammable fluids.
- Operates in conjunction with CustomKraft's fluid level IC boards (level 1 and level 2).
- Overall reduction of components to further increase system reliability.
- UL approved.



The RSF10 series drop float has been designed to eliminate problems associated with lime scale build up around the pivot point of a conventional float switch and/or the stainless steel conductivity probes. It is also suitable in more viscous liquids that might affect the pivot action of a standard float type.

The drop float actuator allows the switch housing and float pivots to be located above the surface of the liquid and provides normally closed switch contact, opening as the liquid level rises. They are manufactured in a variety of materials, with a choice of gasket materials, to suit most commonly used liquids.

TECHNICAL SPECIFICATIONS

Material		RSF14
Color		Polypropylene
Temp. Range	C	-20° /+100°
	F	-4°/+212°
Min. Fluid S.G.		0.75
Must close level (S.G.= 1)		39mm
Must open level (S.G.=1)		24mm

Maximum temperature requires ETFE cable to be specified.

ELECTRICAL SPECIFICATIONS

Contact Form	N/C
VA Rating Max	25
Switching Voltage AC Max	240
Switching Voltage DC Max	120
Switching Current Max	0.6