



# 2CPF02-ROD SmartProbe Sensor Submittal

## Simplex Fill with Low Alarm

### SENSOR APPROVAL SHEET

<p>CUSTOMER</p> <hr/> <p>PO#</p> <hr/> <p>SO#</p> <hr/> <p>SHIP DATE</p> <hr/> <p>QUANTITY</p> <hr/> <p>WIRE LENGTH (ft)</p> <hr/>	<p><b>SENSOR WIRE:</b> Standard wire length is 20ft. Minimum wire length is 5ft.</p> <p>18AWG Sensor Wire</p> <p><b>INPUT DC POWER WIRE COLOR:</b> RED.....+VDC BLACK.....GND</p> <p><b>FUNCTION WIRE COLOR:</b> WHITE.....FILL START/STOP BROWN.....LOW ALARM</p> <p><u>Sequence of Operation (SOO):</u></p> <p><b>Function 1: Fill Start/Stop</b> When the water level is below the White rod, the White output wire will be Active (Fill Start). When the water level contacts the Orange rod, the White output wire will be Inactive (Fill Stop). The White output wire will remain Inactive until the water level drops below the White rod.</p> <p><b>Function 2: Low Alarm</b> When the water level is below the Brown rod, the Brown output wire will be Active (Low Alarm). When the water level is at or above the Brown rod, the Brown output wire will be Inactive.</p>	<p>110/220 VAC Input</p> <p style="text-align: center;">All rods are 304 stainless steel with 1/4-20 threaded ends. Sensor rods can be extended using an Extension Rod kit accessory. Sensor rods &amp; wires are Intrinsically safe with circuit limited signals.</p>
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Custom rod length requests should be measured from where the bottom of the sensor cup will be seated after mounting, down to the required function or alarm level(s) in inches. Be sure to take into account any riser pipes or man-way risers.

SENSOR		ROD LENGTH	
		STANDARD	CUSTOM
Orange	FILL STOP	A	14-7/8"
White	FILL START	B	16-3/8"
Brown	LOW ALARM	C	17"
Black	same length as longest rod		

RELAY BOARD	INPUTS	OUTPUTS
RPB-12-2-NO	1 & 2	1 & 2
RPB-12-2-NC	1 & 4	1 & 4
RPB-24-2-NO	1, 2 OR 1, 3	1, 2 OR 1, 3
RPB-24-2-NC	1 & 4	1 & 4

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

*Signature is required to release product to production*