✔ Checkpoint ™

2SPF02-ROD SmartProbe Sensor Submittal
Simplex Fill with Low Alarm

SENSOR APPROVAL SHEET

CUSTOMER	
PO#	
SO#	
SHIP DATE	
QUANTITY	
WIRE LENGTH (ft)	

SENSOR WIRE:
Standard wire length is 20ft.
Minimum wire length is 5ft.

18AWG Sensor Wire

SENSOR INPUT POWER:

RED.................+24VDC
BLUE...............GND

SENSOR OUTPUT WIRES:

WHITE.............FILL START/STOP
GREEN................LOW ALARM

Sequence of Operation (SOO):

Function 1: Fill Start/Stop
When the water level is below the White rod, White output will be Active.

When the water level contacts the Orange rod, White output will be Inactive.

The White output will remain Inactive until the water level drops below the White rod.

Function 2: Low Alarm
When the water level is below the Brown rod, Brown output will be Active. When the water level is at or above the Brown rod, Brown output will be Inactive.

24VAC Class 2 Input

Mini Control Board

Sensor Output Wires

WHITE
GREEN

Outputs

See Mini Control Board Options Matrix Below

3/16"
1 5/16"   2" PVC Slip Plug

A
B
C

← FILL STOP - Orange
← FILL START - White
← LOW ALARM - Brown
↑ REFERENCE - Black

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 & wires are Intrinsically safe with circuit limited signals.

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.

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	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			

Unless otherwise noted below, all relay outputs are Dry Contact

MINI CONTROL BOARD OPTIONS	INPUT #	OUTPUT #			
		NO	NO	NO	NO/NC
MCB-24VAC	1, 2	1	2		4**
MCB-24VAC-TB	1, 2	1*	2*		4**

* Used for 24VDC switch output

**Use Input #4 for NO or NC Dry Contact output option

Name:
Company:
Signature:
Date:

Signature is required to release product to production