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
INPUT DC POWER:
RED.................+VDC
BLACK.............-VDC

RELAY SWITCH OUTPUT WIRES:
WHITE.............FILL START/STOP
BROWN...........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.

110/220 VAC Input

Relay Board

Outputs

See Relay Board Options 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

RELAY BOARD	INPUT #	OUTPUT #			
		NO	NO	NO	NC
RPB-24-NO	1, 2	1	2		
RPB-24-NC	1, 4	1			4
RPB-24-NO-TB	1, 2	1*	2*		
RPB-24-NC-TB	1, 4	1*			4
RPB-24-PF	1, 2	1	2		4**

* Used for 24VDC switch output   ***Used for Power Fault detection*

Name:

Company:

Signature:

Date:

Signature is required to release product to production