



# 2SPD16-STK SmartProbe Stick Submittal

## Simplex Pump Down with High Alarm

### SENSOR APPROVAL SHEET

CUSTOMER		<b>SENSOR WIRE:</b> Standard wire length is 20ft. Minimum wire length is 5ft. 18AWG Sensor Wire	
PO#		<b>INPUT DC POWER:</b> RED.....+VDC BLACK.....GND	
SO#		<b>RELAY SWITCH OUTPUTS:</b> WHITE.....PUMP START/STOP GREEN.....HIGH ALARM	
SHIP DATE			
QUANTITY			
WIRE LENGTH (ft)		<b>Sequence of Operation (SOO):</b>  <b>Function 1: High Alarm</b> When the water level contacts the HIGH ALARM ring, GREEN output goes ACTIVE. When the water level falls below the HIGH ALARM ring, GREEN output goes INACTIVE.  <b>Function 2: Pump Start/Stop</b> When the water level contacts the PUMP START ring, WHITE output goes ACTIVE and will remain ACTIVE until the water level falls below the PUMP STOP ring at which time the WHITE output goes INACTIVE.	
		<b>Components</b> 2" PVC Slip Fitting cup. 1" Schedule 40 PVC Pipe with 3/4" passivated Stainless Steel rings (1" overall ring assembly). 18AWG Sensor Wire.	
		<b>Determining Ring Placement</b> Measurement B is from the bottom of the ring to the bottom of the sensor stick. 3-1/2" minimum between rings. The Over All Length is measured from the bottom of the sensor cup to the bottom of the sensor stick.	

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SENSOR	CUSTOM LENGTH
OAL	D + 9"
HIGH ALARM	D
PUMP START	C
PUMP STOP	B
REFERENCE	A 3.5"

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