



# 3SPD24-STK SmartProbe Stick Submittal

## Duplex Pump Down Sequence On/All Off with High Alarm

### SENSOR APPROVAL SHEET

<p>CUSTOMER</p>	<p><b>SENSOR WIRE:</b> Standard wire length is 20ft. Minimum wire length is 5ft.</p>	<p>110/220 VAC Input</p>
<p>PO#</p>	<p>18AWG Sensor Wire</p> <p><b>INPUT DC POWER:</b> RED.....+VDC BLACK.....-VDC</p>	
<p>SO#</p>	<p><b>RELAY SWITCH WIRES:</b> WHITE.....PUMP 1 BROWN.....PUMP 2 GREEN.....HIGH ALARM</p>	
<p>SHIP DATE</p>	<p><u>Sequence of Operation (SOO):</u></p> <p><b>Function 1: Pump 1 Start</b> When the water level contacts the Pump 1 START ring, the White Output wire goes Active (Pump 1 Start). The White Output wire remains Active until the water level falls below the PUMP 1 &amp; 2 STOP ring.</p> <p><b>Function 2: Pump 2 Start</b> When the water level contacts the Pump 2 START ring, the Brown Output wire goes Active (Pump 2 Start). The Brown Output wire remains Active until the water level falls below the PUMP 1 &amp; 2 STOP ring.</p> <p><b>Function 3: High Alarm</b> When the water level contacts the High Alarm ring, the Green output wire will be Active (High Alarm). When the water level is below the High Alarm ring, the Green Output wire will be Inactive.</p>	
<p>QUANTITY</p>	<p><b>Components</b></p> <p>PVC Slip Fitting cup. 1" Schedule 40 PVC Pipe with 3/4" passivated Stainless Steel rings (1" overall ring assembly). 18AWG Sensor Wire.</p>	
<p>WIRE LENGTH (ft)</p>	<p><b>Determining Ring Placement</b></p> <p>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.</p>	

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SENSOR	CUSTOM LENGTH
OAL	D + 9"
HIGH ALARM	E
PUMP 2 START	D
PUMP 1 START	C
PUMP 1 & 2 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, 3	1	2	3	
RPB-24-NC	1, 2, 4	1	2		4
RPB-24-NO-TB	1, 2, 3	1*	2*	3	
RPB-24-NC-TB	1, 2, 4	1*	2*		4
RPB-24-PF	1, 2, 3	1	2	3	4**

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

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

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

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

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

Signature is required to release product to production