

# 3CP24RB SmartProbe Sensor Submittal



**Duplex Pump Down with Sequence On - All Off & High Alarm and Common Relay**

## 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.....GND

**RELAY SWITCH WIRES:**

WHITE.....PUMP 1 START/STOP

GREEN.....HIGH ALARM

BROWN.....PUMP 2 START/STOP

BLUE.....INPUT VOLTAGE (V)

**Specify DC Voltage Requirement**

12VDC

24VDC

Three function sequence:

**Function 1: Pump 1 Start**

When the water level contacts the White rod, the WHITE output wire goes Active, starting Pump 1. Pump 1 will remain on until the water level falls below the Brown rod.

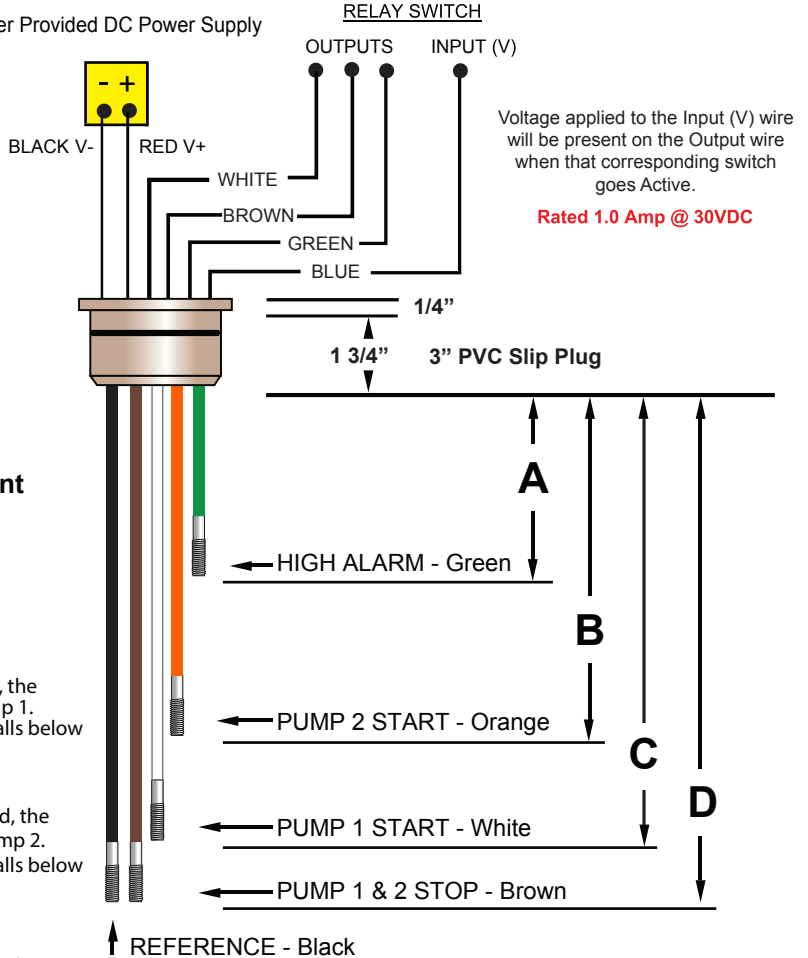
**Function 2: Pump 2 Start**

When the water level contacts the Orange rod, the BROWN output wire goes Active, starting Pump 2. Pump 2 will remain on until the water level falls below the Brown rod.

**Function 3: High Alarm**

When the water level contacts the Green rod, the GREEN output wire goes Active, turning on the High Alarm device. When the water level falls below the Green rod, the GREEN output wire goes Inactive, turning off the High Alarm device.

User Provided DC Power Supply



Voltage applied to the Input (V) wire will be present on the Output wire when that corresponding switch goes Active.

**Rated 1.0 Amp @ 30VDC**

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
Green	HIGH ALARM	A	
Orange	PUMP 2 START	B	
White	PUMP 1 START	C	
Brown	PUMP 1 & 2 STOP	D	
Black	same length as longest rod		

Name:

Company:

Signature:

Date:

Signature is required to release product to production

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