



3SPD24-ROD SmartProbe Sensor Submittal

Duplex Pump Down Sequence On/All Off with High Alarm

SENSOR APPROVAL SHEET

CUSTOMER	
PO#	
SO#	
SHIP DATE	
QUANTITY	
CABLE 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.....PUMP 1
 BROWN.....PUMP 2
 GREEN.....HIGH ALARM

Sequence of Operation (SOO):

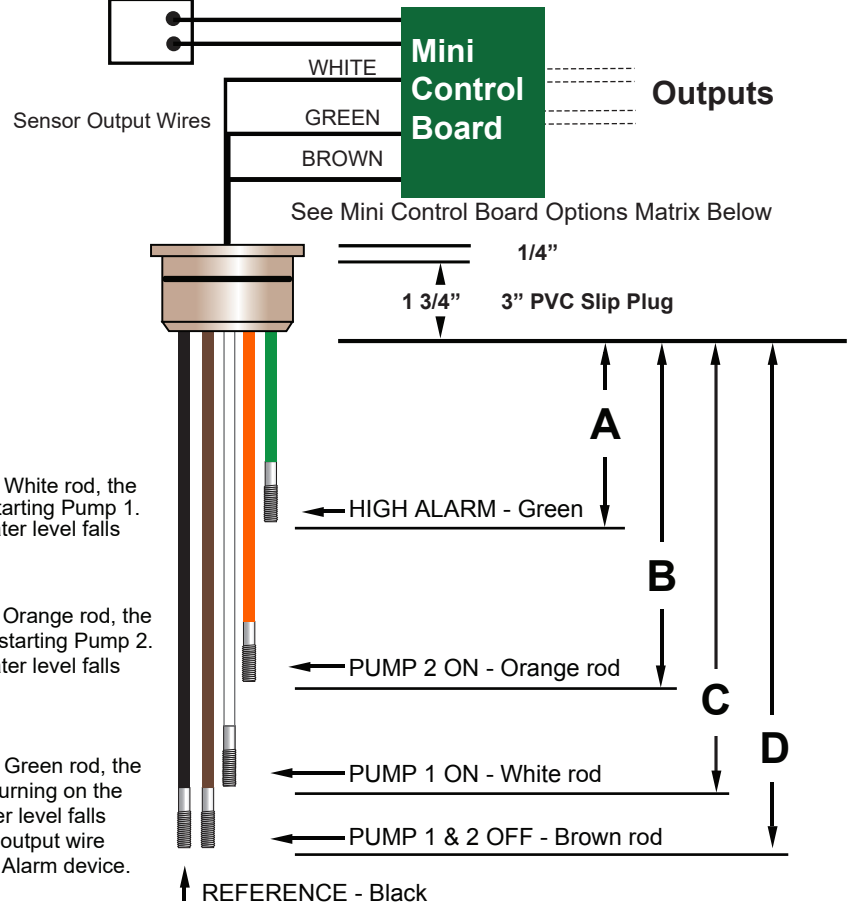
Three function sequence:

Function 1: Pump 1 On
 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 On
 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.

24VAC Class 2 Input



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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		ROD LENGTH	
SENSOR		STANDARD	CUSTOM
Green	HIGH ALARM	A	10-3/8"
Orange	PUMP 2 ON	B	14-7/8"
White	PUMP 1 ON	C	16-3/8"
Brown	ALL PUMPS OFF	D	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, 3	1	2	3	4**
MCB-24VAC-TB	1, 2, 3	1*	2*	3	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