



2SPD16-ROD SmartProbe Sensor Submittal

Simplex Pump Down with High Alarm

SENSOR APPROVAL SHEET

CUSTOMER	SENSOR WIRE: Standard wire length is 20ft. Minimum wire length is 5ft. 18AWG Sensor Wire
PO#	SENSOR INPUT POWER: RED.....+24VDC BLUE.....GND
SO#	SENSOR OUTPUT WIRES: WHITE.....PUMP ON/OFF GREEN.....HIGH ALARM
SHIP DATE	Sequence of Operation (SOO): Function 1: High Alarm When the water level contacts the GREEN rod, the GREEN output wire goes ACTIVE. When the water level falls below the GREEN rod, the GREEN output wire goes INACTIVE. Function 2: Pump On/Off ORANGE AND WHITE rods are a differential function through the WHITE output wire. When the water level contacts the ORANGE rod, the WHITE output wire goes ACTIVE (Pump On). When the water level falls below the WHITE rod, the WHITE output wire goes INACTIVE (Pump Off). The WHITE output wire remains INACTIVE until the water level again rises to the ORANGE rod.
QUANTITY	
WIRE LENGTH (ft)	

24VAC Class 2 Input

White
Green
Sensor Output Wires
Mini Control Board
Outputs
See Mini Control Board Options Matrix Below
3/16"
1 5/16"
2" PVC Slip Plug
A
B
C
HIGH ALARM - Green rod
PUMP ON - Orange rod
PUMP OFF - White rod
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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			ROD LENGTH	
SENSOR			STANDARD	CUSTOM
Green	HIGH ALARM	A	10 3/8"	
Orange	PUMP ON	B	15 1/2"	
White	PUMP OFF	C	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	1	2		4**
MCB-24VAC-TB	1, 2	1*	2*		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