



3SPD24R-STK SmartProbe™ Stick 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

SENSOR INPUT POWER:

RED.....+24VDC

BLUE.....GND

BLACK.....INPUT (V)

SENSOR OUTPUT WIRES:

WHITE.....PUMP 1

BROWN.....PUMP 2

GREEN.....HIGH ALARM

Sequence of Operation (SOO):

Function 1: Pump 1 Start

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 & 2 STOP ring.

Function 2: Pump 2 Start

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 & 2 Stop ring.

Function 3: High Alarm

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.

Components:

PVC Slip Fitting cup.

1" Schedule 40 PVC Pipe with 3/4" passivated Stainless Steel rings (1" overall ring assembly).

18AWG Sensor Wire.

Determining Ring Placement

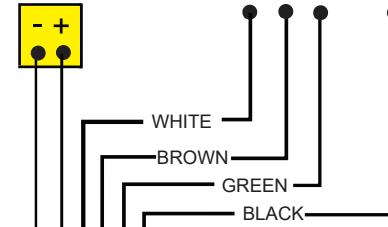
Measurement B is from the bottom of the ring to the bottom of the sensor stick. 3-1/2" minimum between rings.

The OAL is measured from the bottom of the sensor cup when mounted to the bottom of the sensor stick.

User Provided 24VDC Power Supply

RELAY SWITCH

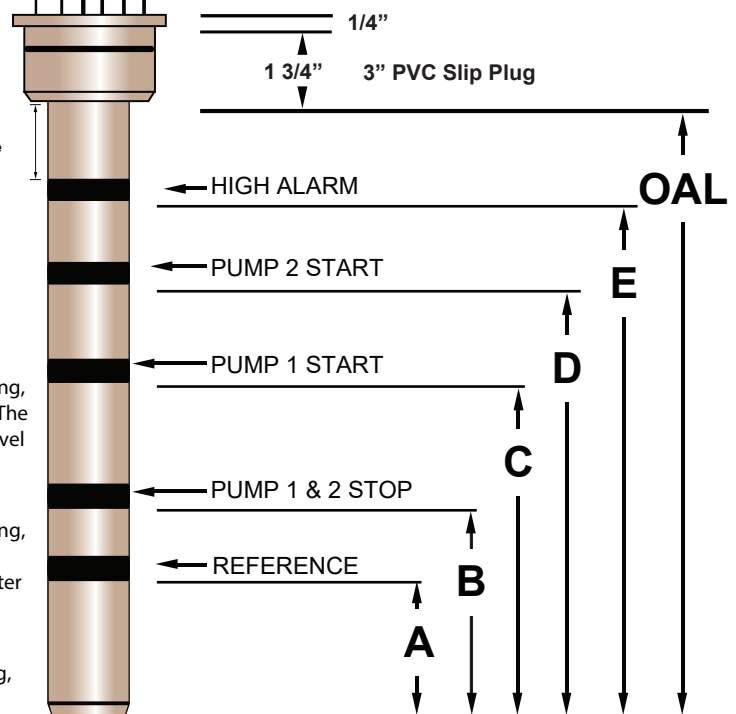
OUTPUTS INPUT (V)



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

**Each Relay Output is rated:
1.0 Amp @ 30VDC**

9" Minimum Head-space



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SENSOR		CUSTOM LENGTH
OAL		E + 9"
HIGH ALARM	E	
PUMP 2 START	D	
PUMP 1 START	C	
PUMP 1 & 2 STOP	B	
REFERENCE	A	3.5"

Name: _____

Company: _____

Signature: _____

Date: _____

Signature is required to release product to production