



3SPD24-STK SmartProbe Stick Submittal

Duplex Pump Down Sequence On/All Off 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 1 BROWN.....PUMP 2 GREEN.....HIGH ALARM | |
| SHIP DATE | 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. | |
| QUANTITY | 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. | |
| WIRE LENGTH (ft) | 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 Over All Length is measured from the bottom of the sensor cup to the bottom of the sensor stick. | | |

System Dynamics, Inc.
 P.O. Box 12544
 Scottsdale, Arizona 85260
 Toll Free: 866-243-2505
 sales@waterlevelcontrols.com
 www.waterlevelcontrols.com

| SENSOR | | CUSTOM LENGTH |
|---------------|---|---------------|
| OAL | | D + 9" |
| HIGH ALARM | E | |
| PUMP 2 START | D | |
| PUMP 1 START | C | |
| ALL PUMPS OFF | B | |
| REFERENCE | A | 3.5" |

Name: _____

Company: _____

Signature: _____

Date: _____

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

Signature is required to release product to production