



3SPD26-ROD SmartProbe Sensor Submittal

Simplex Pump Down with Oil Fault, High Oil & High Water Alarms

SENSOR APPROVAL SHEET

CUSTOMER		<p>SENSOR WIRE: Standard wire length is 20ft. Minimum wire length is 5ft. 18AWG Sensor Wire</p> <p>INPUT DC POWER: RED.....+VDC BLACK.....GND</p> <p>RELAY SWITCH OUTPUTS: WHITE.....PUMP START/STOP GREEN.....HIGH ALARM BROWN.....OIL FAULT BLUE.....OIL HIGH ALARM</p> <p><u>Sequence of Operation (SOO):</u> Function 1: Pump Start/Stop When the water level contacts the BROWN rod, the White output wire (Pump Start) will be Active. When the water level falls below the BLUE rod, the White output wire (Pump Stop) will be Inactive . Function 2: Oil Fault When the OIL FAULT ALARM FLOAT is raised, the Brown output wire (Oil Fault) will be Active. When the OIL FAULT ALARM FLOAT is NOT raised, the Brown output wire will be Inactive. Function 3: High Water Alarm When the water level contacts the GREEN rod, the Green output wire (High Alarm) will be Active. When the water level is below the GREEN rod, the Green output wire will be Inactive. Function 4: High Oil Alarm When the HIGH OIL ALARM FLOAT is raised, the Black output wire (High Oil Alarm) will be Active. When the HIGH OIL ALARM FLOAT is NOT raised, the Black output wire will be Inactive.</p>	110/220 VAC Input	
PO#				
SO#				
SHIP DATE				
QUANTITY				
WIRE LENGTH (ft)				

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

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.

SENSOR		ROD LENGTH	
		STANDARD	CUSTOM
	HIGH OIL	A	4"
Green	HIGH WATER	B	5-1/2"
White	OIL FAULT	C	6-3/4"
Brown	PUMP START	D	8-1/4"
Blue	PUMP STOP	E	17"
Black	same length as longest rod		

Unless otherwise noted below, all relay outputs are Dry Contact

RELAY BOARD	INPUT #	OUTPUT #			
		NO	NO	NO	NC
RPB-24-NO	1, 2, 3, 4	1	2	3	4
RPB-24-NC	1, 2, 3, 4	1	2	3	4
RPB-24-NO-TB	1, 2, 3, 4	1*	2*	3	4
RPB-24-NC-TB	1, 2, 3, 4	1*	2*	3	4

* Used for 24VDC switch output

Name: _____

Company: _____

Signature: _____

Date: _____

Signature is required to release product to production