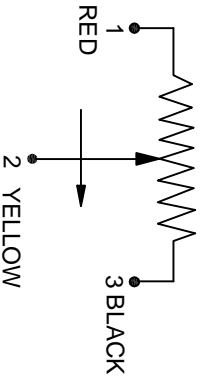


FLANGE TOP VIEW



Electrical Schematic Diagram

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DRN.	K.I.N	XXXXXX	SYMBOL	DESCRIPTION	IDIR	SIR
CKD.	N.Y.M	XXXXXX	END USER SAFETY / STATUTORY	PERFORMANCE	✓	✓
APPD.			NO SYMBOL	LAYOUT INSPECTION	✓	✓

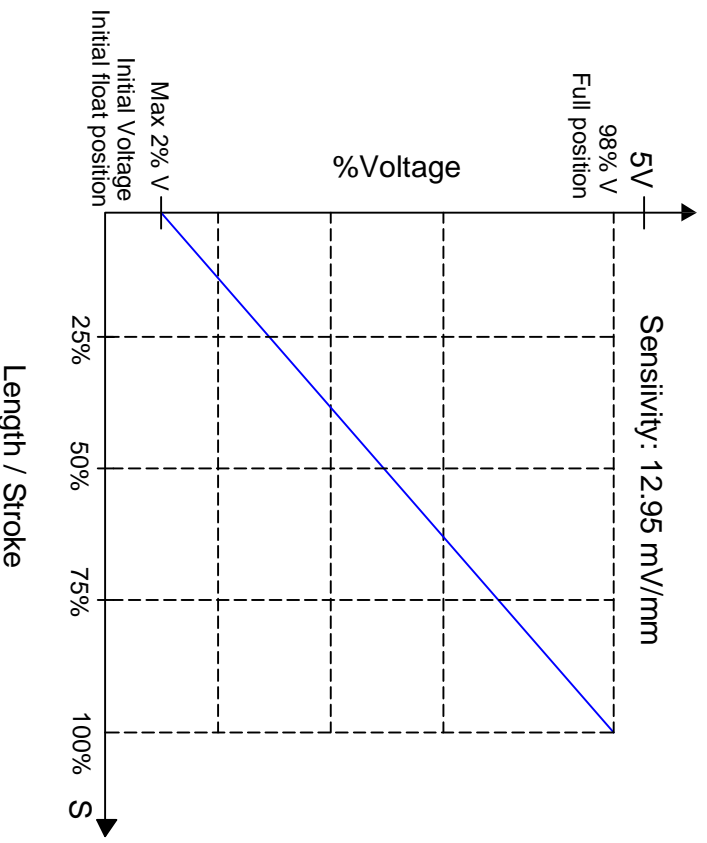
UNI-AUTOMATION (I) PVT LTD
 TEL./FAX: +91-(020)-24420890
 www.uniautomation.com

FUEL LEVEL SENSOR - 400
 CUSTOMER : XXXXXXXX

FIRST ISSUE: 26/04/17	SCALE:- N.T.S	TOLERANCES DIN/ISO 2768-1 (1991/68) (TOLERANCE CLASS-MEDIUM)	UAPL PART NO XXXXXX	CUSTOMER DRAWING REF NO	REV - 00
					SHEET 1-2

DATE CODE MONTH CODE YEAR CODE
 X - DATE (1-24) - A TO Z (EXCEPT I AND O)
 DATE (25-31) - 1 TO 7
 X - MONTH (1 TO 12) - A TO M (EXCEPT I)
 X - LAST DIGIT OF YEAR

NOTES:
 1) ALL DIMESNDION ARE IN MM
 2) CONNECTOR , CUSTOMER SPECIFIC
 3) DATE CODE , UNI LOGO, PART NUMBER ARE LASER MARKED
 4) BATCH CODE MARKING FORMAT IS GIVEN *
 5) MOUNTING FLANGE CAN BE DEVELOPED AS PER CUSTOMER REQUIREMENTS
 6) CONNECTOR WIRES 20 AWG (19/32) TEFLON WIRES (WIRES CAN BE CHANGE AS PER CUSTOMER REQUIREMENTS)



% FUEL LEVEL VS OUTPUT, FOR 5 VDC SUPPLY

% fuel	Length (mm)	Voltage (V)
100	100 % stroke length	>4.9
75	75 % stroke length	3.5
50	50 % stroke length	2.3
25	25 % stroke length	1.2
0	0	0.1 max

ELECTRICAL CHARACTERISTICS

Resistance Range	As per stroke (3 Kohm to 20 Kohm)
Resistance Tolerance	±30 %
Independent Linearity	±2 %
Sensor length	100 to 1000 mm
Resolution	<1mm
Temperature Coefficient of Resistance(TCR)	±400 ppm/deg C
Power Rating @ 70°C	2 Watts
Insulation Resistance @ 500 Vdc	1000 M Ohms
Dielectric Strength @ 50 Hz	500 V ac
Maximum Wiper current.	1 mAmps
Short time wiper current 10 sec.	10 mAmps
Initial voltage	± 2% of supply

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-20 to +85 °c
IP Protection	IP68

PERFORMANCE

Life 1 Lakh Kms

features

- Provision for anti-sloshing
- Continuous output over the length

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FUEL LEVEL SENSOR- 400

DRN. K.I.N	XXXXXX	SYMBOL	DESCRIPTION	IDIR	SIR
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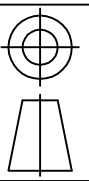
CKD. N.V.M	XXXXXX	END USER SAFETY / STATUTORY	✓	✓
		PERFORMANCE	✓	✓
APPD.		MOUNTING	✓	✓
		LAYOUT INSPECTION	✓	✓

APPD.	No SYMBOL	LAYOUT INSPECTION	✓	✓
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FIRST ISSUE: 26/04/17

TOLERANCES
 DIN:ISO 2768-1 (1991:68)
 (TOLERANCE CLASS-MEDIUM)

UAPL PART NO
 XXXXXX



CUSTOMER DRAWING REF NO

CUSTOMER : XXXXXXXX

REV - 00

SHEET-2-2