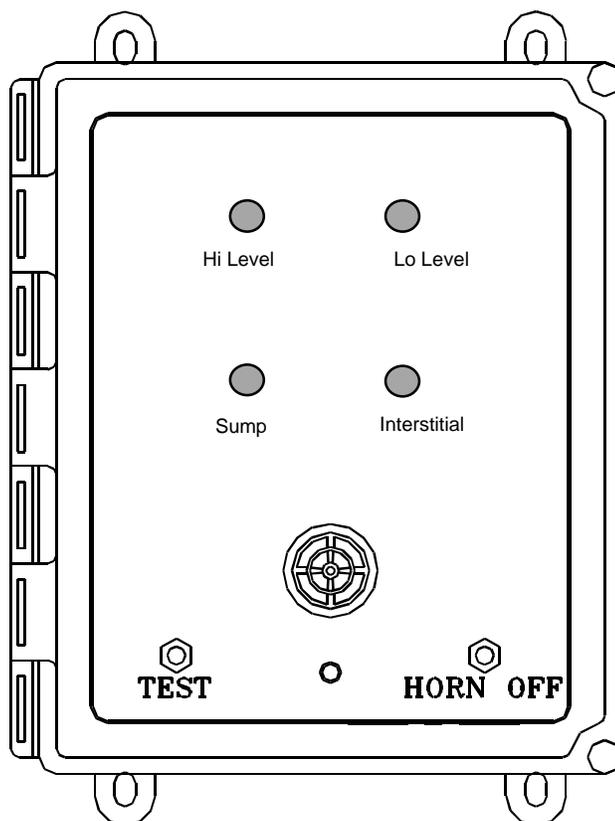


LU4-SP1

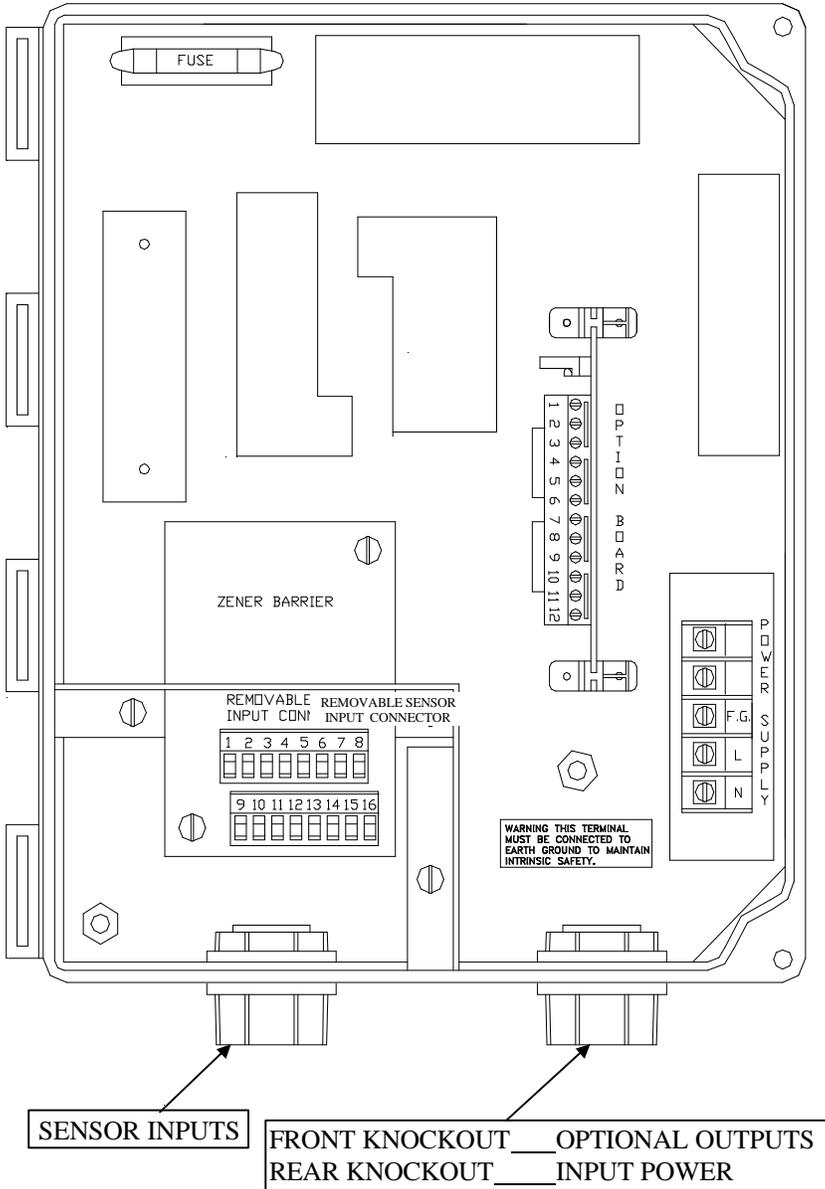


SPECIFICATIONS

<p><u>POWER INPUT</u> 100-120 VAC, 47-63 Hz., 25 VA</p>	<p><u>AUDIO/VISUAL CONTROLS</u> Audible alarm - 95 dB pulsing horn with 30 sec. time out.</p>
<p><u>RESPONSE TIME</u> Immediate</p>	<p>Green light - Indicates power is on.</p>
<p><u>PROBE CABLE</u> Shielded 22 AWG UL-E118830 CM Maximum length 2000 feet</p>	<p>RED LIGHTS – Indicates alarm condition exists Horn Off Button - When pressed will silence horn.</p>
<p><u>OPERATING TEMPERATURE</u> -40 to +140 F</p>	<p>Test Button - When pressed will actually test system electronics from control panel to optical sensors.</p>
<p><u>ENCLOSURE</u> NEMA 4X</p>	<p><u>Sensors</u> L-2 - Dual Level Optical sensor LS-ASC – Liquid optic sensor LWF – liquid optic sensor for dry interstitial fiberglass</p>

ELP21LU4-SP1

THREE CHANNEL CONTROLLER CONNECTION DIAGRAM



COLOR CODE

CABLES FROM SENSORS TO REMOVABLE SENSOR INPUT CONNECTORS

1	RED	DUAL LEVEL OPTIC SENSOR #1
2	WHITE	
3	UNUSED	
4	GREEN	
5	RED	OPTIC SENSOR #2
6	WHITE	FROM SENSOR #1 & #2
7	BLACK	
8	SHIELD DRAIN	FROM SENSOR #1 & #2
9	BLACK	FROM SENSOR #3
10	SHIELD DRAIN	FROM SENSOR #3
11	RED	OPTIC SENSOR #3
12	WHITE	

WIRES TO OPTION BOARD

WIRES FROM REMOTE

1	GREEN	-HORN
2	RED	+HORN
3	BLACK	GROUND
4	WHITE	HIGH SENSOR #1
5	ORANGE	LOW SENSOR #1
6	BLUE	SENSOR #2
7	BROWN	SENSOR #3
8	UNUSED	

WIRES FROM RELAY OUTPUTS

9	COMMON	SENSOR #2 & #3
10	NORMALLY OPEN	
11	COMMON	SENSOR #1
12	NORMALLY OPEN	

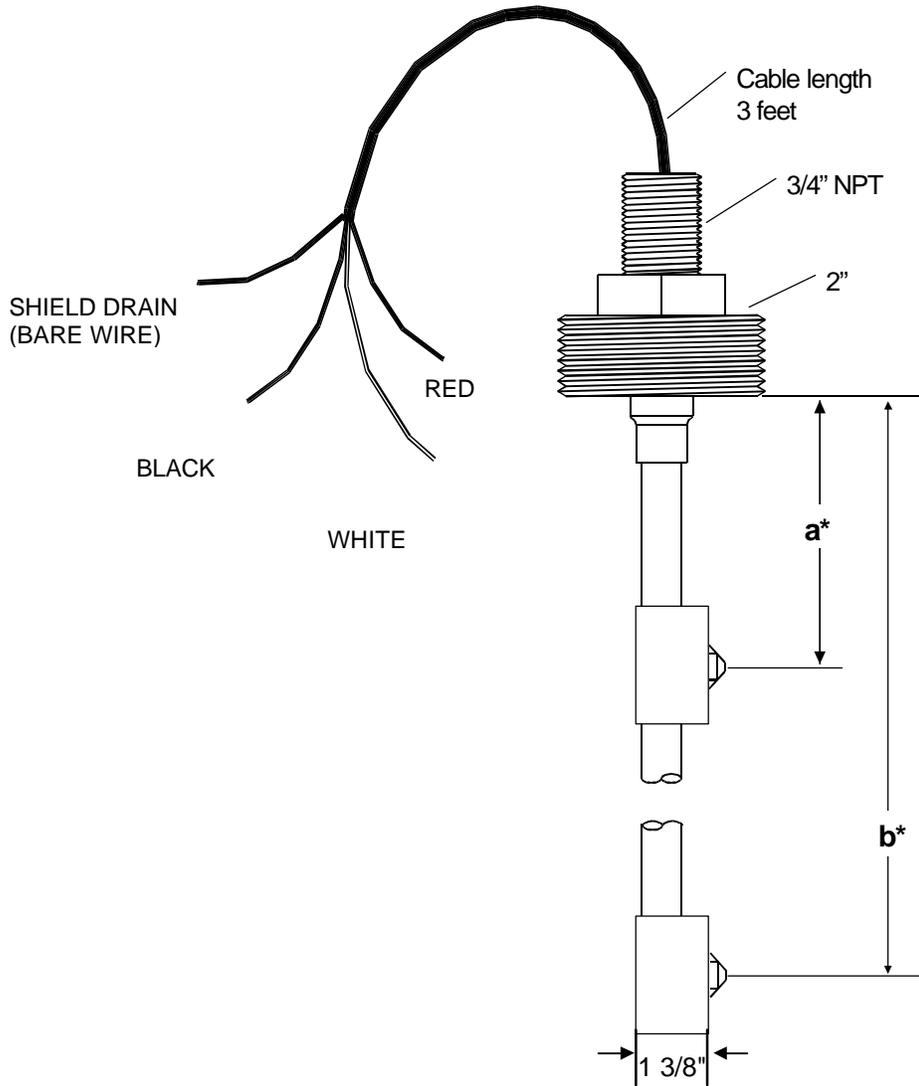
120VAC

WIRES TO POWER SUPPLY

F.G.	FIELD GROUND
L	LINE
N	NEUTRAL

NOTE: To maintain proper shielding, **BLACK sensor wires** and SHIELD DRAINS **should not be connected together** at sensors.

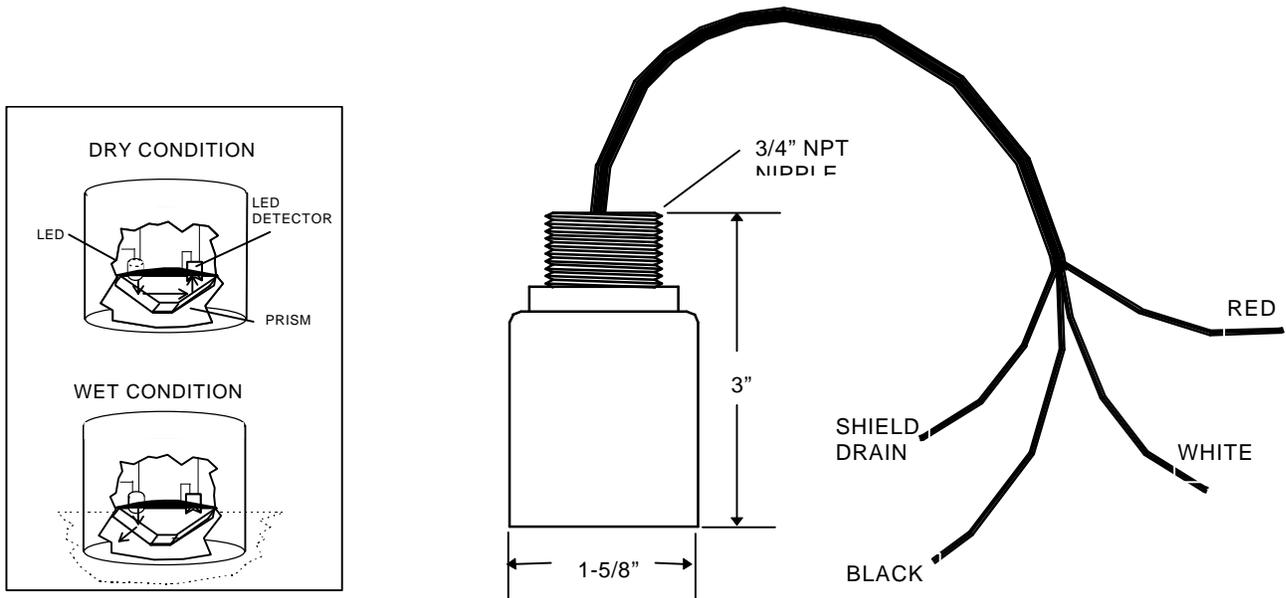
L-2- SENSOR



<p style="text-align: center;"><u>U.L. LISTED 5L04</u> INTRINSICALLY SAFE CLASS I, GROUP D HAZARDOUS LOCATIONS WHEN CONNECTED IN ACCORDANCE WITH CONTROL DRAWING NOS. L1PD2, L2PD4, L3PD6, LU1, LU2, LU3, LU4, LU6, LU9</p>	<p style="text-align: center;"><u>PRINCIPLES OF OPERATION</u> NON POLAR LIQUIDS (FUEL ONLY) - PHOTO OPTIC DRY CONDITION - NORMALLY CLOSED LIGHT BEAM ALARM CONDITION - OPENS (REFRACTS) NORMALLY CLOSED LIGHT BEAM</p>
<p style="text-align: center;"><u>OPERATING TEMPERATURE</u> -40 to +140 F</p>	<p style="text-align: center;"><u>PROBE CABLE</u> SHIELDED 22 AWG UL-E118830 CM MAXIMUM LENGTH 2000 FEET</p>
<p style="text-align: center;"><u>POWER</u> 2 VDC @ 13 mA</p>	<p style="text-align: center;"><u>RESPONSE TIME</u> IMMEDIATE</p>
<p style="text-align: center;"><u>WEIGHT</u> 2 POUNDS</p>	

LS-ASC

INTERSTITIAL SUMP SENSOR



SPECIFICATIONS

SOLID STATE (NO MOVING PARTS)

RESPONSE TIME

IMMEDIATE

PROBE CABLE

SHIELDED 22 AWG UL-E118830
MAXIMUM LENGTH 2000 FEET

PRINCIPLES OF OPERATION

NON POLAR LIQUIDS (FUEL OIL) -
PHOTO OPTIC

POWER

2 VDC @ 13 mA

OPERATING TEMPERATURE

-40 TO +140° F

DRY CONDITION - NORMALLY
CLOSED LIGHT BEAM

WEIGHT

2 POUNDS

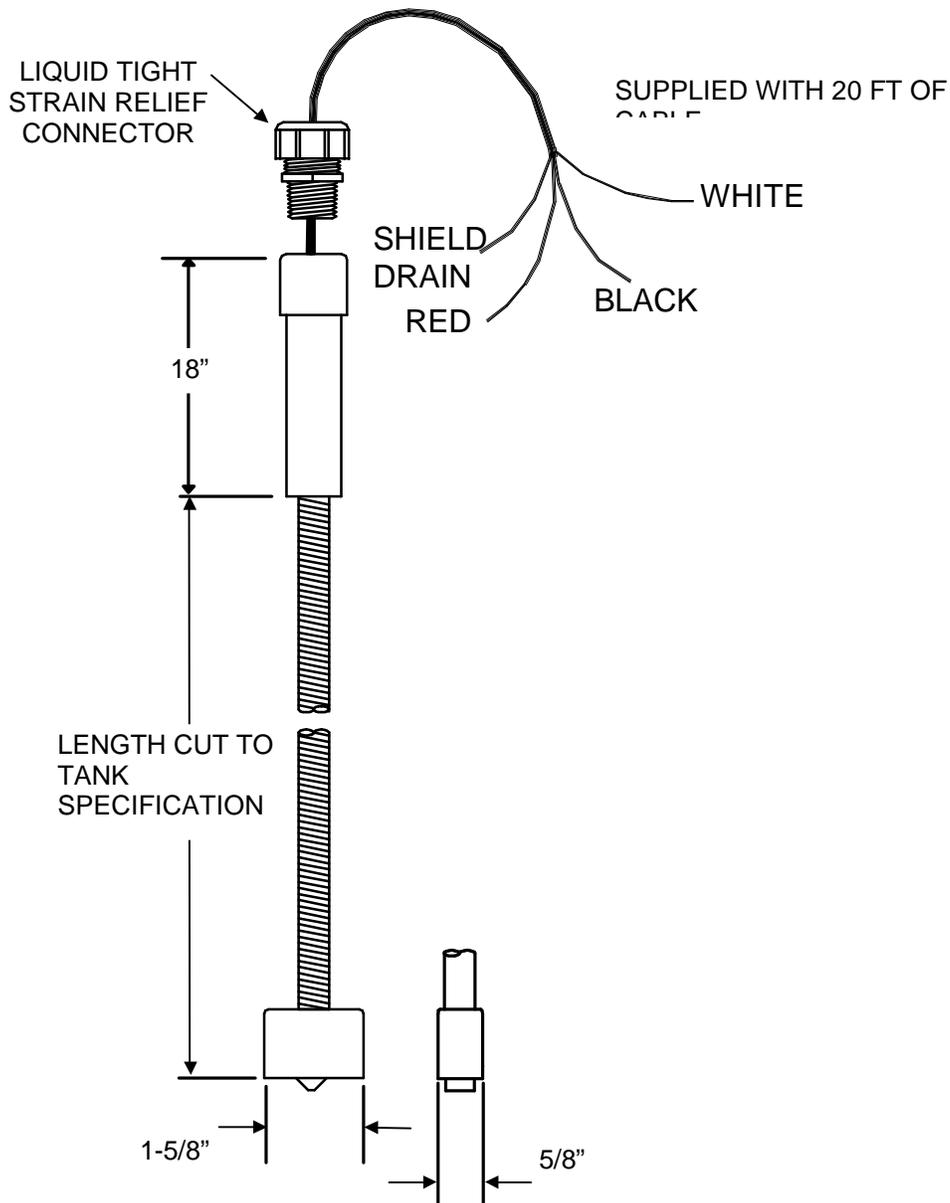
U.L. LISTED

INTRINSICALLY SAFE FOR USE
CLASS 1, GROUP D HAZARDOUS
LOCATIONS WHEN CONNECTED IN
ACCORDANCE WITH CONTROL
DRAWINGS L1PD2,L2PD4,L3PD6

ALARM CONDITION - OPENS
(REFRACTS) NORMALLY CLOSED
LIGHT BEAM

LWF

Non-product distinguishing Fiberglass tank interstitial sensor



SPECIFICATIONS

SOLID STATE (NO MOVING PARTS)

RESPONSE TIME
IMMEDIATE

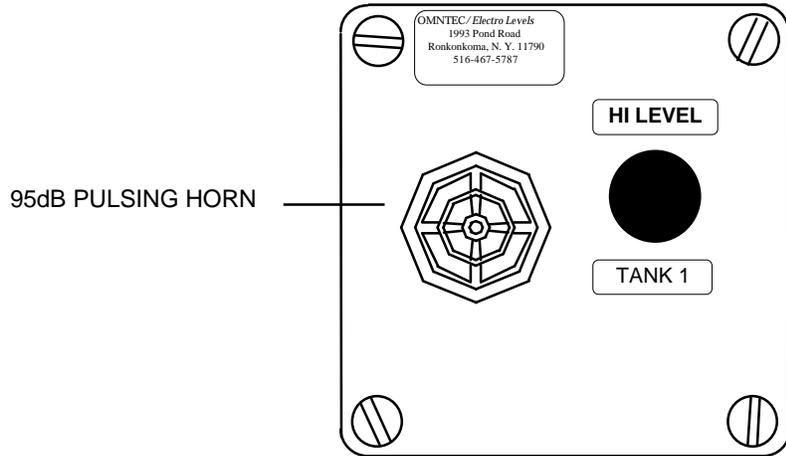
OPERATING TEMPERATURE
-40° TO +140°F

PRINCIPLES OF OPERATION
DRY CONDITION - NORMALLY
CLOSED LIGHT BEAM

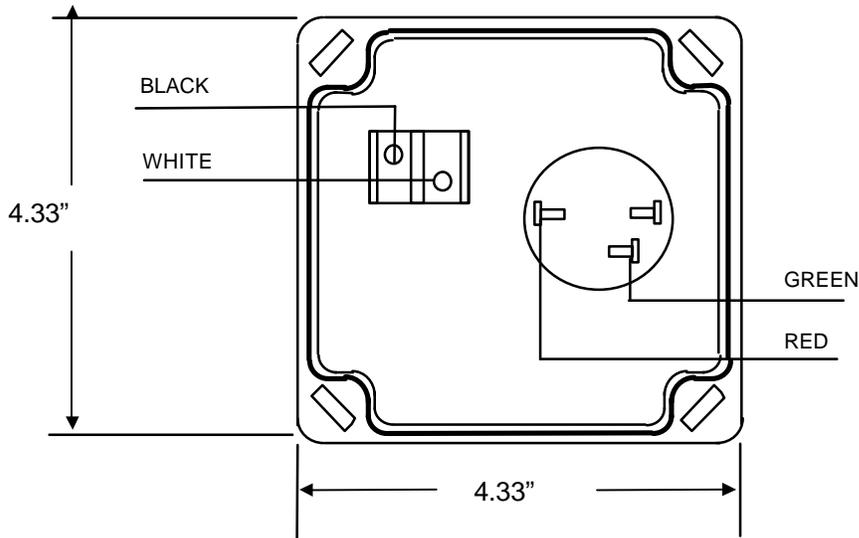
ALARM CONDITION - OPENS
(REFRACTS) NORMALLY CLOSED
LIGHT BEAM

RA1 - SERIES REMOTE

FRONT VIEW



BACK VIEW OF FRONT PANEL



POWER
2 VDC @ 13 mA

WEIGHT
1/2 PPOUND

PROBE CABLE
SHIELDED 22 AWG UL-E118830
CM MAXIMUM LENGTH 2000 FT

WARRANTY

The seller OMNTEC/Electro Levels Mfg., Inc. warrants to buyer, for one year: That all systems meet specifications herein. All systems are free of defects when properly installed, and maintained by user. The sellers sole obligation is to repair or replace parts found to be defective, or non-conforming after evaluation by factory. The liability of the seller shall not exceed the price paid for the system. The above warranty is exclusive of all other warranties whether implied or expressed. Seller assumes no obligation for special or, indirect damages incurred by user.