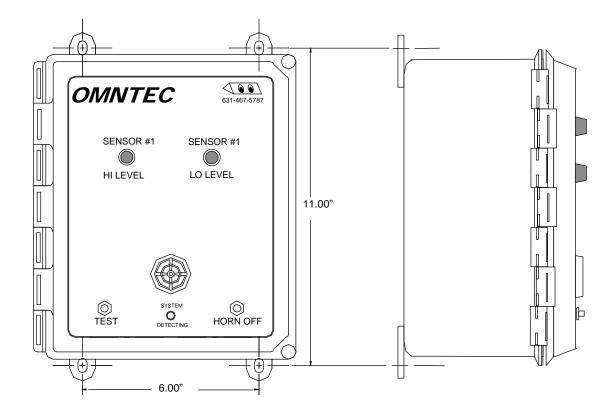
OMNTEC

LU2-SP1

TWO CHANNEL



LU2-SP1 Specifications

POWER INPUT

85-125 VAC, 47-440 Hz 16 Watts maximum

POWER TO SENSORS

2 VDC @ 13 ma

RELAY OUTPUT

SPST normally open dry contacts 1.25 AMPS, 120 AC/DC switches when an alarm condition occurs

WEIGHT	DIMENSIONS

6 LBS. (W) 9" x (H) 10.5"

SENSOR CABLE

Shielded 22 AWG UL-E118830 CM Maximum length 2000 feet

ENCLOSURE OPERATING TEMPERATURE

NEMA 4X

-40° to 140° F

AUDIO/VISUAL CONSOLE

AUDIBLE ALARM - 95 dB pulsing horn with 30 second timeout

RED LIGHT -Indicates liquid alarm for L-series sensors **TEST BUTTON-** When pressed will actually test entire system electronics from control panel to sensors **GREEN LIGHT-** indicates the power is on **HORN OFF BUTTON** - Silences the audible alarm when pressed

SENSORS

L-2 Two point liquid level optic sensor for hi / low L-R-1 Reservoir sensor

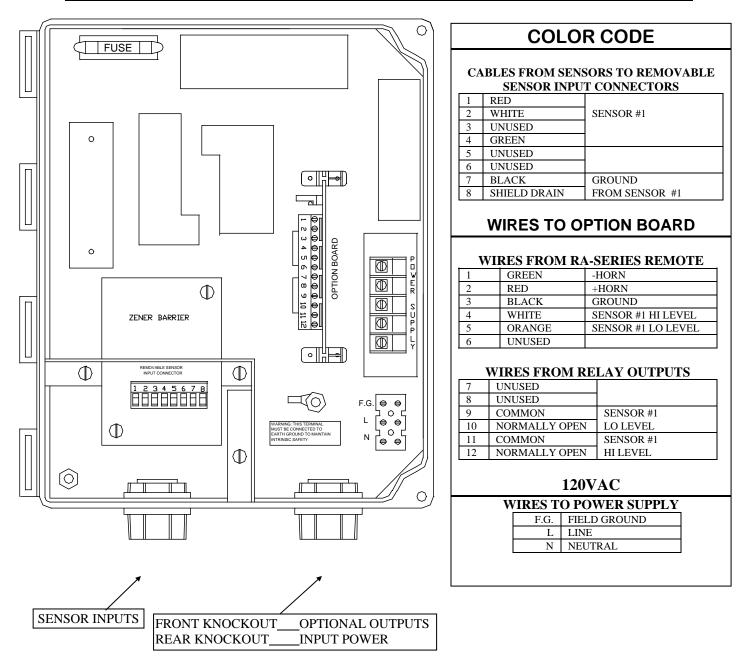
ACCESSORIES

RA-1 audio/visual remote annunciator RLY-RA Relay (consult factory) RA-1-NYS Remote annunciator with strobe (consult factory)

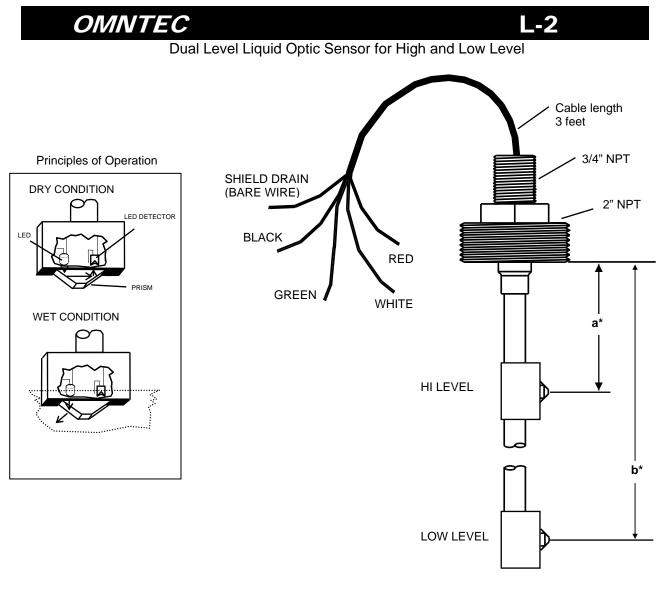
LABELS

Provided with controller

LU2-SP1 CONTROLLER CONNECTION DIAGRAM



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



U.L. LISTED 5L04

Intrinsically safe Class I, Group D Hazardous Locations when connected in accordance with Control Drawing nos. L1, L2, L3, L4, L6, L9

OPERATING TEMPERATURE

-40 TO +140 F

POWER 2 VDC @ 13 mA

WEIGHT

2 pounds

L-2 SPECIFICATIONS

PRINCIPLES OF OPERATION

LIQUIDS (ex: fuel, water) – Photo Optic DRY CONDITION – High level: Normally closed light beam Low Level: Normally open light beam ALARM CONDITION –

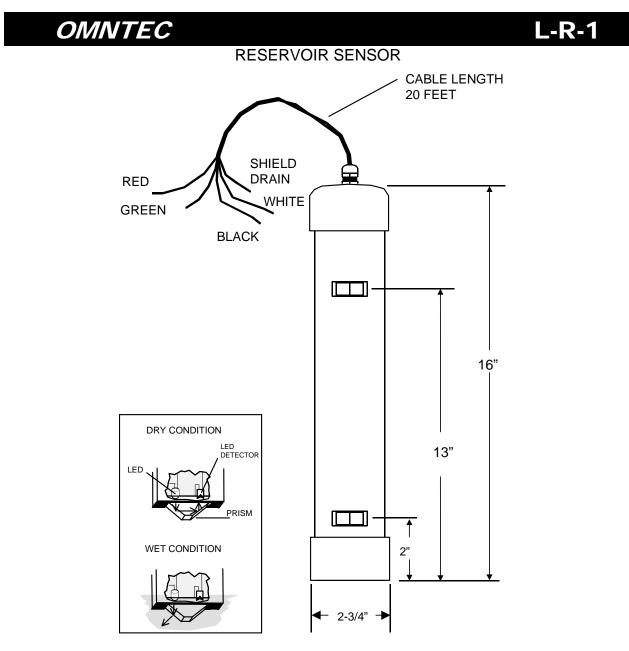
Hi level: Opens (refracts) normally closed light beam Low level: Closes normally open light beam

SENSOR CABLE

Shielded 22 AWG UL-E118830 CM Maximum length 2000 feet

RESPONSE TIME

Immediate



L-R-1 SPECIFICATIONS SOLID STATE (NO MOVING PARTS)

OPERATING TEMPERATURE

-40 TO +140 F

POWER 2 VDC @ 13 mA

WEIGHT

2 pounds

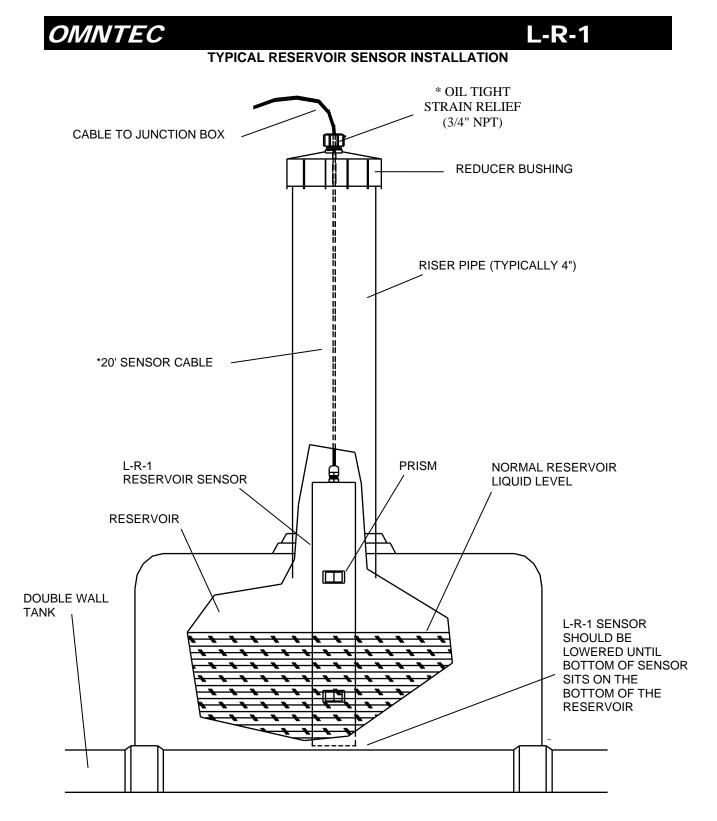
RESPONSE TIME Immediate

PRINCIPLES OF OPERATION

LIQUIDS (ex: fuel, water) – Photo Optic DRY CONDITION – High level: Normally closed light beam Low Level: Normally open light beam ALARM CONDITION – Hi level: Opens (refracts) normally closed light beam Low level: Closes normally open light beam

SENSOR CABLE

Shielded 22 AWG UL-E118830 CM Maximum length 2000 feet

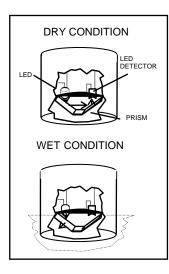


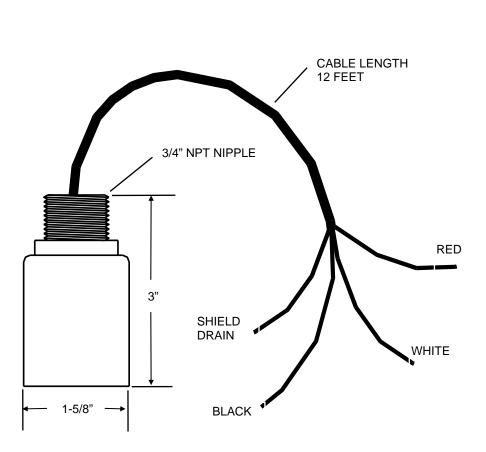
*SUPPLIED BY OMNTEC MFG., INC.

OMNTEC

LS-ASC

Non-product distinguishing Optic Sensor





LS-ASC SPECIFICATIONS

U.L. LISTED 5L04

Intrinsically safe Class I, Group D Hazardous Locations when connected in accordance with control drawing nos. L1, L2, L3, L4, L6, L9

OPERATING TEMPERATURE

-40 TO +140 F

POWER 2 VDC @ 13 mA

WEIGHT

1/2 pound

PRINCIPLES OF OPERATION

LIQUIDS (ex: fuel, water) – photo Optic DRY CONDITION – Normally closed light beam ALARM CONDITION – Opens (refracts) normally closed light beam

SENSOR CABLE

Shielded 22 AWG UL-E118830 CM Maximum length 2000 feet

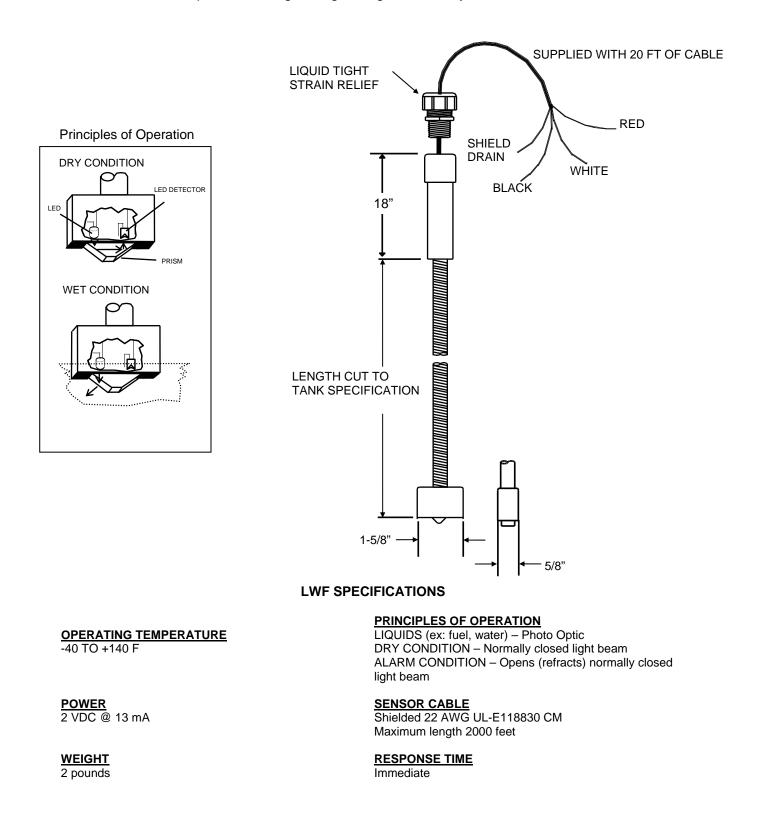
RESPONSE TIME

Immediate

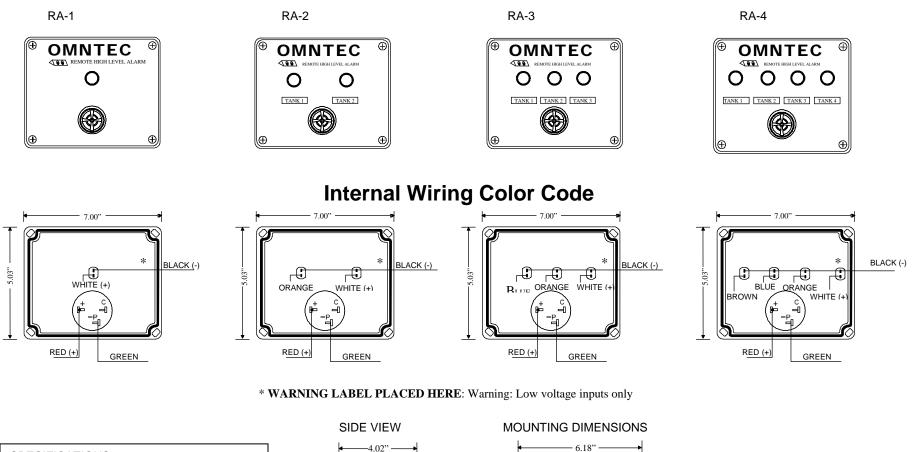


LWF

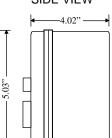
Non-product distinguishing Fiberglass tank dry interstitial sensor



RA-Series Remote High Level Alarm



SPECIFICATIONS			
Audible Alarm	95 dB pulsing horn		
Red Light	Liquid-high-level alarm		
Response Time	Immediate		
Power Input	12VDC @200mA maximum		
	from controller		
Wire	22 AWG minimum		
Weight	1 lb.		
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Note: It is recommended that knockouts be placed in the bottom of the enclosure

OMNTEC Mfg., Inc., 1993 Pond Road, Ronkonkoma, NY 11779 Phone (631) 981-2001 Fax (631) 981-2007 www.OMNTEC.com File Name: LU2-SP1 rev1-0.doc Page 8 of 10 Rev: 1.0 Rev Date: 10-4-2011

4.21"

LOG SHEET

DATE	NAME	SYSTEM STATUS	SIGNATURE
	1		l

The seller OMNTEC Mfg., Inc. warrants to buyer 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 for one year and only after evaluation by factory. The liability of the seller shall not exceed the price paid for the components found to be defective. The above warranty is exclusive of all other warrantees whether implied or expressed. Seller assumes no obligation for special or, indirect damages incurred by user.

All standard tank gauging systems are free of defects when properly installed and maintained by user. Warranty on tank gauging systems will only be effective after proper documentation has been submitted by the buyer to OMNTEC Mfg., Inc. The sellers sole obligation is to repair or replace parts found to be defective, or non-conforming for one year and only after evaluation by factory. The liability of the seller shall not exceed the price paid for the components found to be defective. The above warranty is exclusive of all other warrantees whether implied or expressed. Seller assumes no obligation for special or indirect damages incurred by user.

All standard replacement parts, "add-ons", or spare parts 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 for 90 days and only after evaluation by factory. The liability of the seller shall not exceed the price paid for the components found to be defective. The above warranty is exclusive of all other warrantees whether implied or expressed. Seller assumes no obligation for special or indirect damages incurred by user.

Equipment not covered by this warranty includes, but is not limited to: custom equipment, pressure transducers, and control systems.