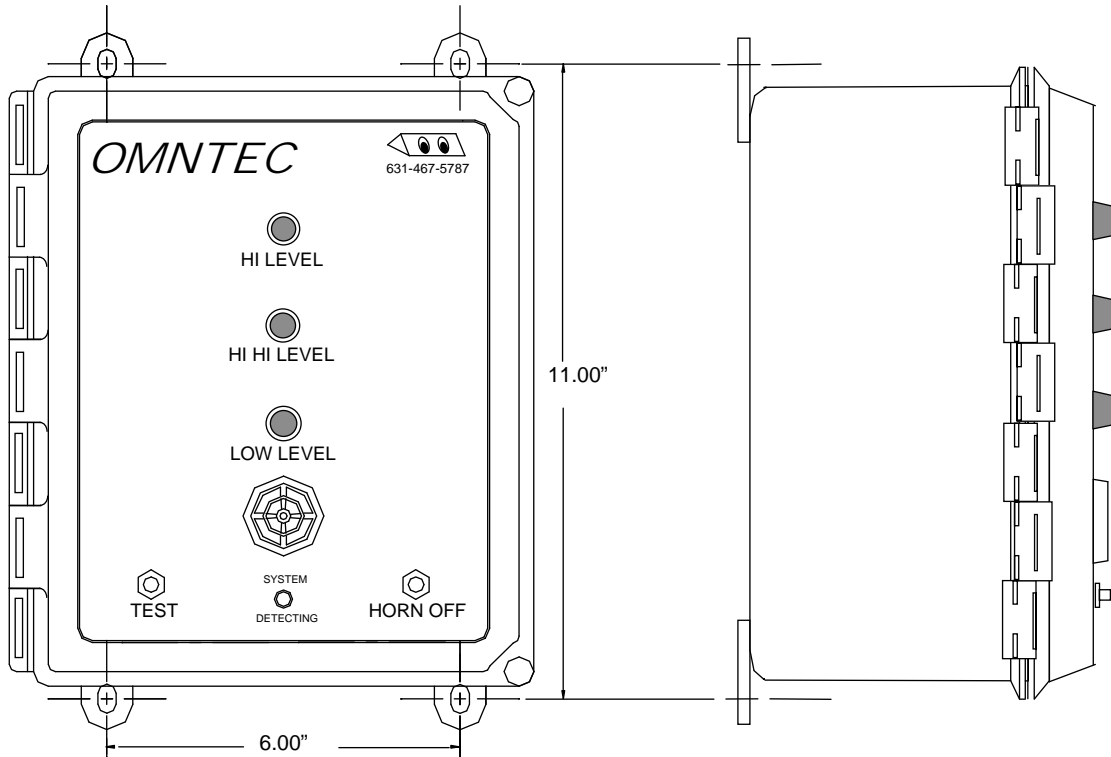


OMNTEC

LU3-HHLO

THREE CHANNEL



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-3 Three point liquid level optic sensor for high
high, high and low levels

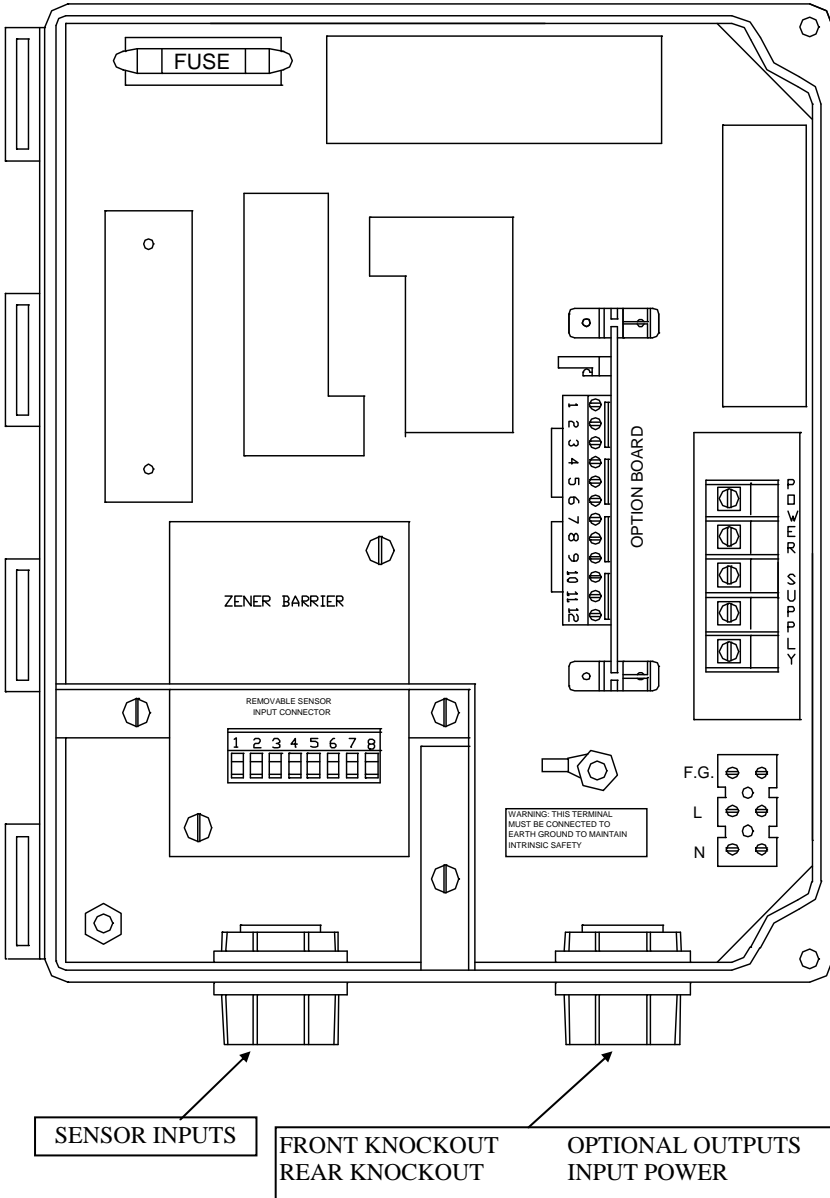
ACCESSORIES (OPTIONAL)

RA-1,2,3,4 Audio/visual remote annunciator.
RLY-RA Relay (consult factory)
RA-1-NYS Remote annunciator with strobe (consult factory)

LABELS

Provided with controller

ELP21LU3-HHLO CONTROLLER CONNECTION DIAGRAM



COLOR CODE

CABLES FROM SENSORS TO REMOVABLE SENSOR INPUT CONNECTORS

1	RED	SENSOR 1
2	WHITE	HI-HI LEVEL
3	RED/YELLOW	SENSOR 1
4	WHITE/YELLOW	HI LEVEL
5	RED/BLUE	SENSOR 1
6	WHITE/BLUE	LOW LEVEL
7	BLACK	SENSOR 1
8	SHIELD DRAIN	GROUND

WIRES TO OPTION BOARD

WIRES FROM RA-SERIES REMOTE

1	GREEN	-HORN
2	RED	+HORN
3	BLACK	GROUND
4	WHITE	SENSOR #1 HI-HI LEVEL
5	ORANGE	SENSOR #1 HI LEVEL
6	BLUE	SENSOR #1 LOW LEVEL

WIRES FROM RELAY OUTPUTS

7	COMMON	SENSOR #1
8	NORMALLY OPEN	LOW LEVEL
9	COMMON	SENSOR #1
10	NORMALLY OPEN	HI LEVEL
11	COMMON	SENSOR #1
12	NORMALLY OPEN	HI-HI LEVEL

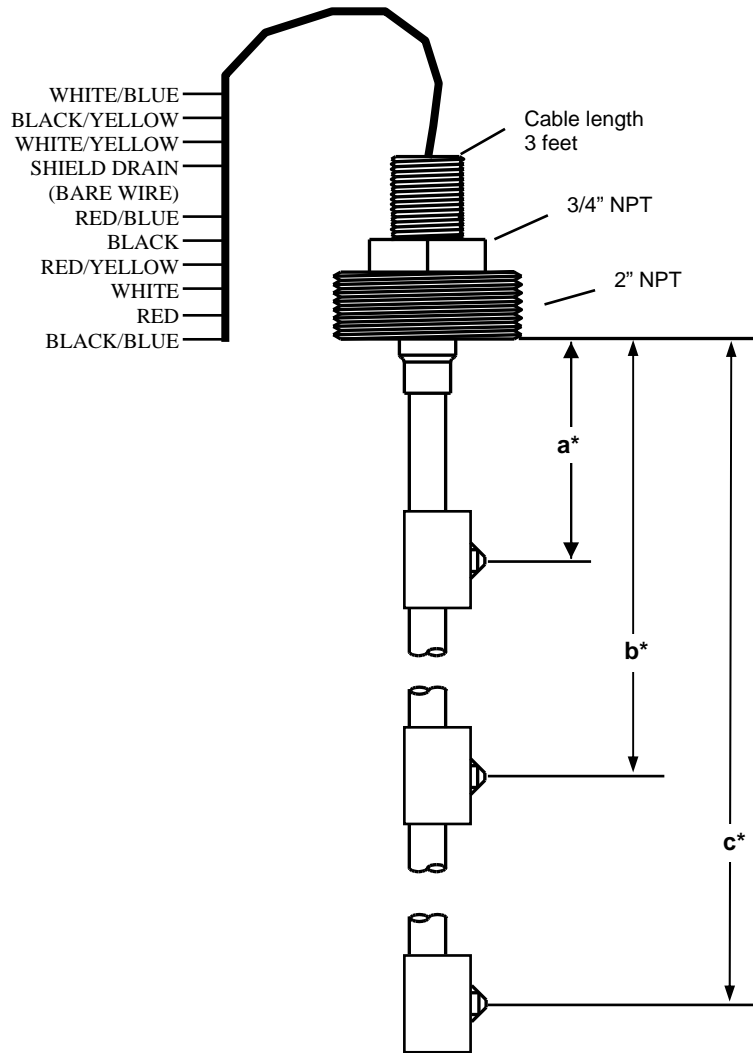
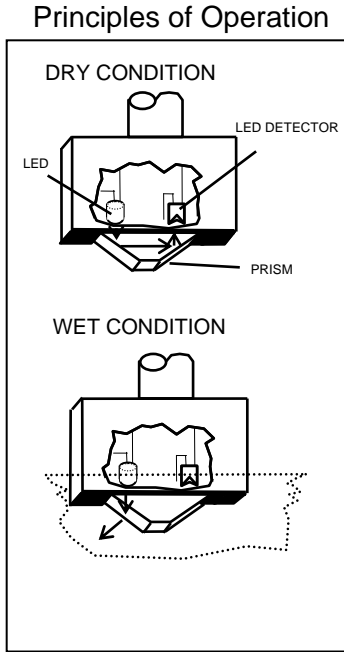
120VAC

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.

Three Level Liquid Optic Sensor for High/High, High and Low Levels



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

2 pounds

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

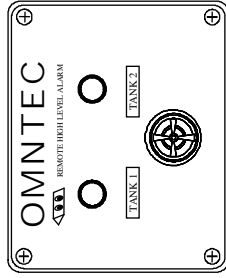
Immediate

RA-Series Remote High Level Alarm (OPTIONAL)

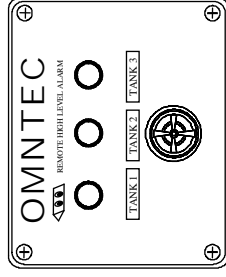
RA-1



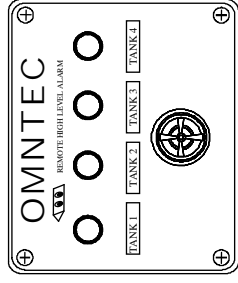
RA-2



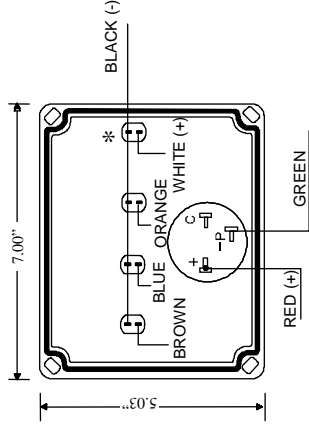
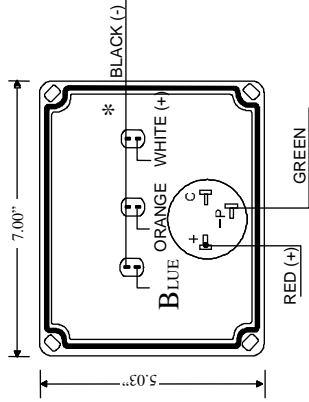
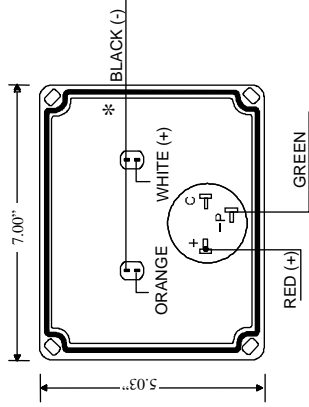
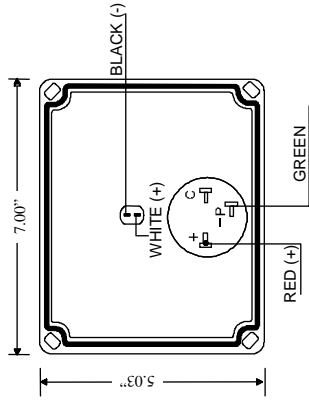
RA-3



RA-4

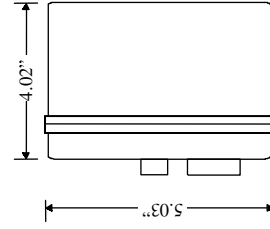


Internal Wiring Color Code

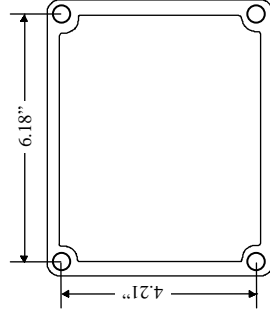


* **WARNING LABEL PLACED HERE:** Warning: Low voltage inputs only

SIDE VIEW



MOUNTING DIMENSIONS



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.

Note: It is recommended that knockouts be placed in the bottom of the enclosure

LOG SHEET

DATE	NAME	SYSTEM STATUS	SIGNATURE

WARRANTY

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 warranties 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 warranties 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 warranties 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: MTG-F flexible magnetostrictive probes, custom equipment, pressure transducers, and control systems.