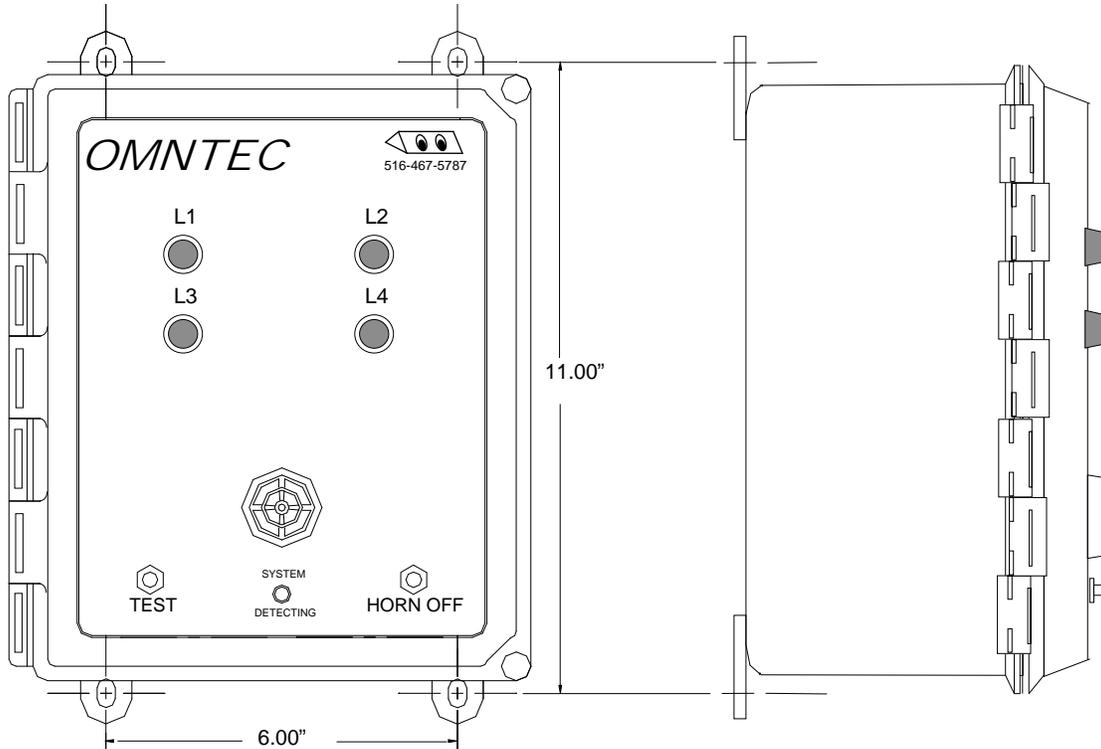


INDEPENDENT LEVEL ALARM SYSTEM

OMNTEC

LU4-LF

FOUR CHANNEL



Specifications

POWER INPUT

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

POWER TO SENSORS

2 VDC @ 13 ma

RELAY OUTPUTS

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

NEMA 4X

OPERATING TEMPERATURE

-40° to 140° F

AUDIO/VISUAL CONSOLE

AUDIBLE ALARM - 95 dB pulsing horn with 30 second
timeout

RED LIGHT -Indicates liquid alarm for LF-series float
sensor

TEST BUTTON- When pressed will test system
electronics

GREEN LIGHT- indicates the power is on

HORN OFF BUTTON - Silences the audible alarm when
pressed

SENSORS

(4) LF-1 Single float liquid level sensor, normally closed

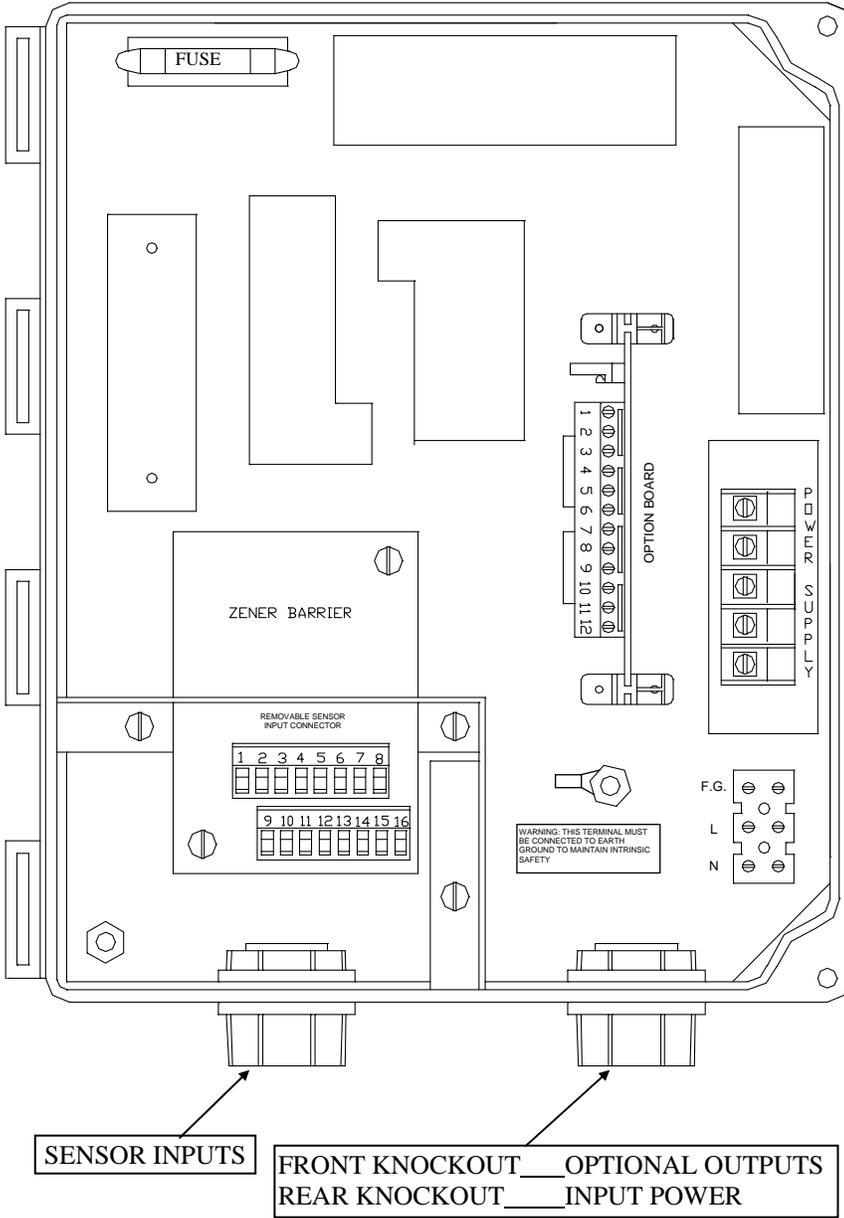
ACCESSORIES

~~RA-1 audio/visual remote annunciator~~

LABELS

Provided with controller

LU4-LF CONTROLLER CONNECTION DIAGRAM



COLOR CODE

CABLES FROM SENSORS TO REMOVABLE SENSOR INPUT CONNECTORS

1	UNUSED	SENSOR #1
2	RED	LF-1
3	UNUSED	SENSOR #2
4	RED	LF-1
5	UNUSED	SENSOR #3
6	RED	LF-1
7	BLACK	FROM SENSOR #1 - #3
8	SHIELD DRAIN	FROM SENSOR #1 - #3
9	BLACK	FROM SENSOR #4
10	SHIELD DRAIN	FROM SENSOR #4
11	UNUSED	SENSOR #4
12	RED	LF-1

WIRES TO OPTION BOARD

WIRES FROM RA-SERIES REMOTE

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

WIRES FROM RELAY OUTPUTS

9	COMMON	SENSOR #2
10	NORAMLLY 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.

Liquid Level Float Sensors

- Stainless Steel or Brass Mountings
- 1 to 6 Actuation Levels
- Lengths to over 11 feet
- U.L. Recognized, CSA Listed

LF series float sensors have multiple options including material of construction, mountings and float sizes. This allows for the LF sensor to be extremely versatile in a wide range of applications such as water, oils, chemicals and corrosive liquid.

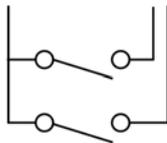
LF-* switches are U.L. Approved for Class I, Division 2, Groups A, B, C, D hazardous locations. FM Approved explosion proof junction box must be installed for Class I, Division I, Group D hazardous locations.



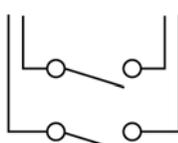
Specifications		
	BUNA N	Stainless Steel
Operating Temperature	Water: to 180 F Oil: -40 F to +230 F	40 F to +300 F
Stem & Mounting Material	Brass	316 Stainless Steel
Max Length (Lo)	120" (305 cm)	
Float Stops*	Beryllium Copper	316 Stainless Steel
Compatible Controllers	Consult factory	
Approvals	U.L. Recognized, CSA Listed	

Specifications subject to change without notice, verify with manufacturer.

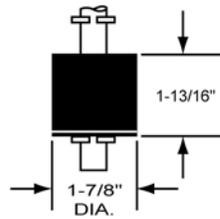
Group 1
Switch (N.O. or N.C.):
SPST: 50 VA



Group 2
Switch (N.O. or N.C.):
SPST: 50 VA

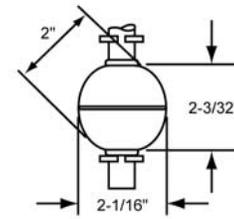


- For clarity, only two actuation levels are shown in each group diagram.
- Standard setup is Group 2 unless otherwise specified.



BUNA N Float

Consult factory for materials other than stainless steel and BUNA N.

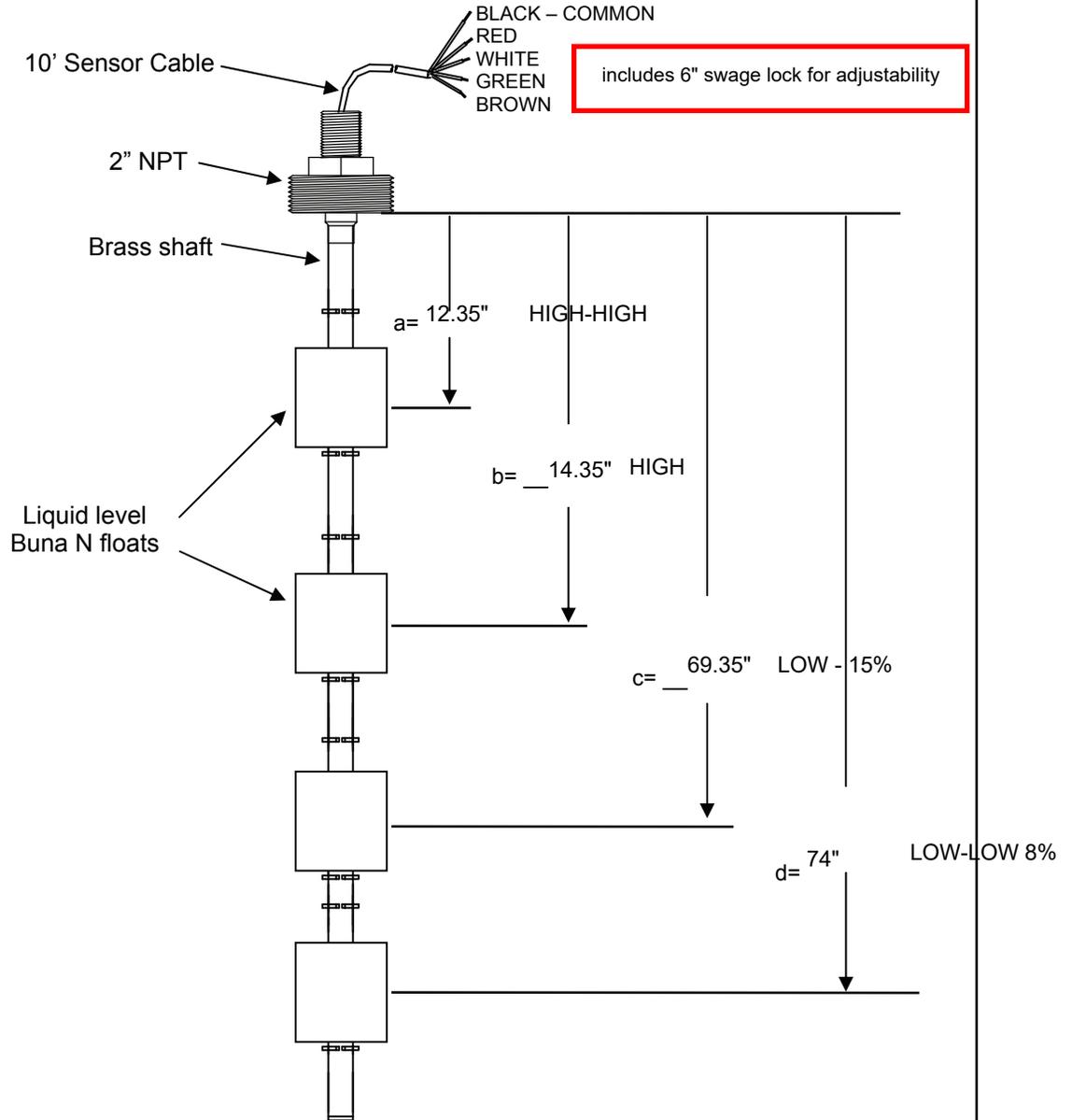


Stainless Steel Float

LF-4 SENSOR DIMENSION

APPROVAL SHEET

CUSTOMER Core Engineered Solutions, Inc
PO# 883503
SO#
SHIP DATE
QUANTITY 1
PRODUCT Fuel Oil



Dimensions should be calculated from the top of the tank or riser down to the required alarm level(s) in inches. Be sure to take into account any riser pipes or manway risers.

Wiring Color Code*	
Common	BLACK
LEVEL 1	RED
LEVEL 2	YELLOW
LEVEL 3	BLUE
LEVEL 4	BROWN
LEVEL 5	ORANGE
LEVEL 6	GRAY

* Colors subject to change. Consult factory or controller connection diagram

Name: Tarana Aliyeva

Company: Core ES

Signature: Tarana Aliyeva

Date:

Signature is required to release product to production