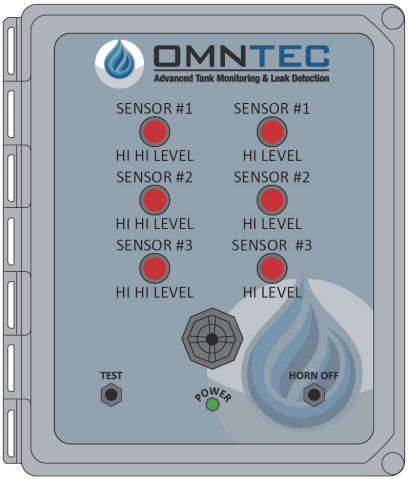
OMNTEC
Advanced Tank Monitoring & Leak Detection

1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

LU6-LF-2261
INSTALLATION GUIDE



SIX CHANNEL ALARM PANEL

Revision 2645

Document No. LU6-LF-2261

OMNTEC® Mfg., Inc. | 2420 Pond Road | Ronkonkoma | NY 11779 | (631) 981-2001 | Email: OMNTEC@OMNTEC.com | www.OMNTEC.com

TABLE OF CONTENTS

LU6-LF-2261 SPECIFICATIONS 3

DIMENSIONS FOR MOUNTING AND KNOCKOUTS 4

LU6-LF-2261 CONTROLLER CONNECTION DIAGRAM 5

FI-NM-DC-D SENSOR DIMENSION APPROVAL 6

DUOCHECK FI-NM-DC-D SENSOR INSTALLATION 7

VERSALEVEL-02 FI-NM-V2-M-160 SENSOR INSTALLATION 8

RLY-RA-6-2261 RELAY DIMENSIONS 9

RLY-RA-6-2261 RELAY WIRING 10

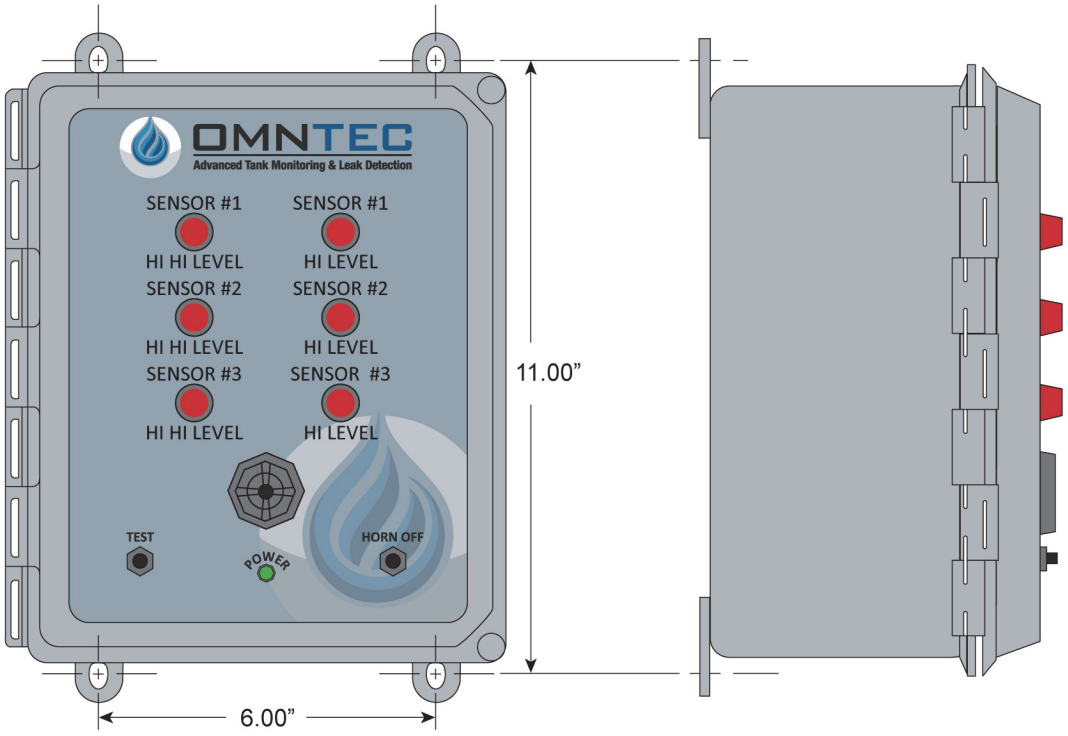
ACK-R-2261 REMOTE ANNUNCIATOR 11

LOG SHEET 12

WARRANTY 13

LU6-LF-2261

SIX CHANNEL ALARM PANEL



LU6-LF-2261 SPECIFICATIONS

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

POWER TO SENSORS
13.80 VDC @ 13 ma

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 LF Series sensors
TEST BUTTON - When pressed will test system lights and horn
GREEN LIGHT - Indicates the power is on
HORN OFF BUTTON - Silences the audible alarm when pressed

SENSORS

FI-NM-DC-D	Dual float, high and high high liquid level sensor, normally closed
FI-NM-V2-M-160	Dual Level, high and high high, 2" Float, w/MagLift™ Checking Mechanism, 160" Long, All SS, Metal J-Box, with mounting bracket

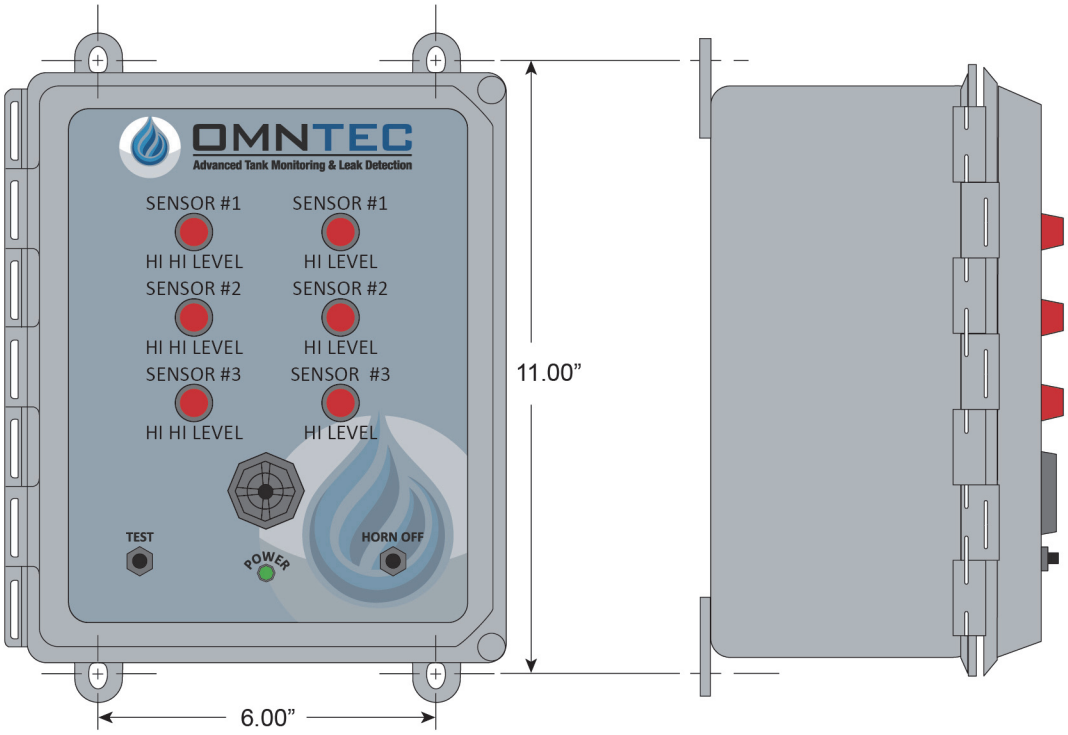
accepts up to three sensors per system

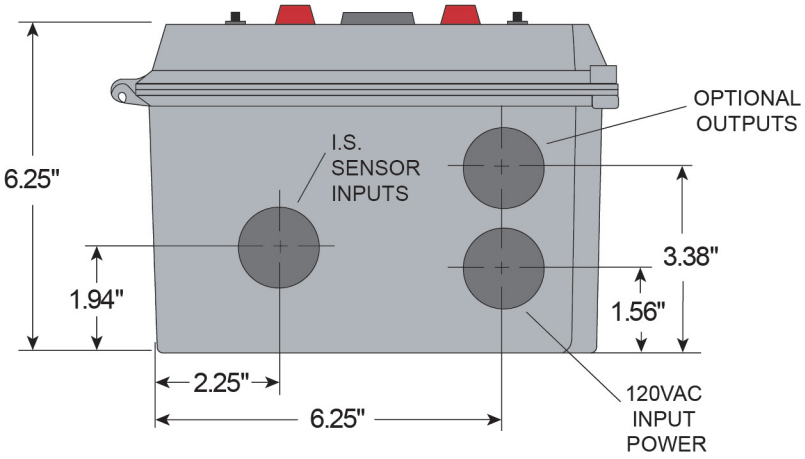
OPTIONAL ACCESSORIES
RLY-RA-6-2261 Relay

LABELS
Provided with controller

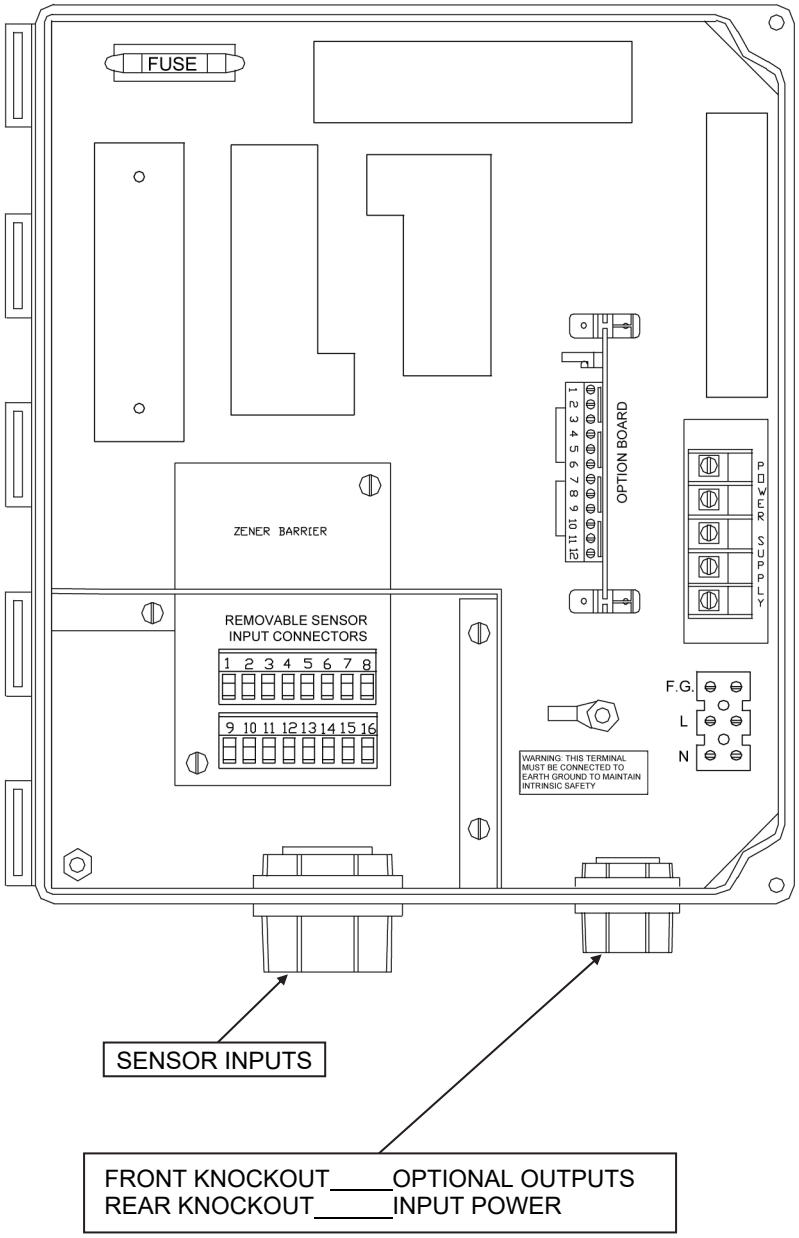
LU6-LF-2261

DIMENSIONS FOR MOUNTING AND KNOCKOUTS





LU6-LF-2261 CONTROLLER CONNECTION DIAGRAM



COLOR CODE

CABLES FROM SENSORS TO REMOVABLE SENSOR INPUT CONNECTORS

1	UNUSED	SENSOR #1
2	WHITE (OR YELLOW)	HIGH HIGH LEVEL
3	UNUSED	SENSOR #1
4	RED	HIGH LEVEL
5	UNUSED	SENSOR #2
6	WHITE (OR YELLOW)	HIGH HIGH LEVEL
7	BLACK	FROM SENSOR #1 - #3
8	SHIELD DRAIN	FROM SENSOR #1 - #3
9	BLACK	FROM SENSOR #4 - #6
10	SHIELD DRAIN	FROM SENSOR #4 - #6
11	UNUSED	SENSOR #2
12	RED	HIGH LEVEL
13	UNUSED	SENSOR #3
14	WHITE (OR YELLOW)	HIGH HIGH LEVEL
15	UNUSED	SENSOR #3
16	RED	HIGH LEVEL

WIRES TO OPTION BOARD

WIRES FROM RA-SERIES REMOTE

1	GREEN	-HORN (to RLY-RA-6-2261)
2	RED	+HORN (to RLY-RA-6-2261)
3	BLACK	GROUND
4	WHITE	SENSOR #1 HIGH HIGH
5	ORANGE	SENSOR #1 HIGH
6	BLUE	SENSOR #2 HIGH HIGH
7	BROWN	SENSOR #2 HIGH
8	YELLOW	SENSOR #3 HIGH HIGH
9	PURPLE	SENSOR #3 HIGH
10	UNSUED	
11	BLACK	GROUND (RLY-RA-6-2261)
12	BLUE	HORN SILENCE (RLY-RA-6-2261)

120VAC

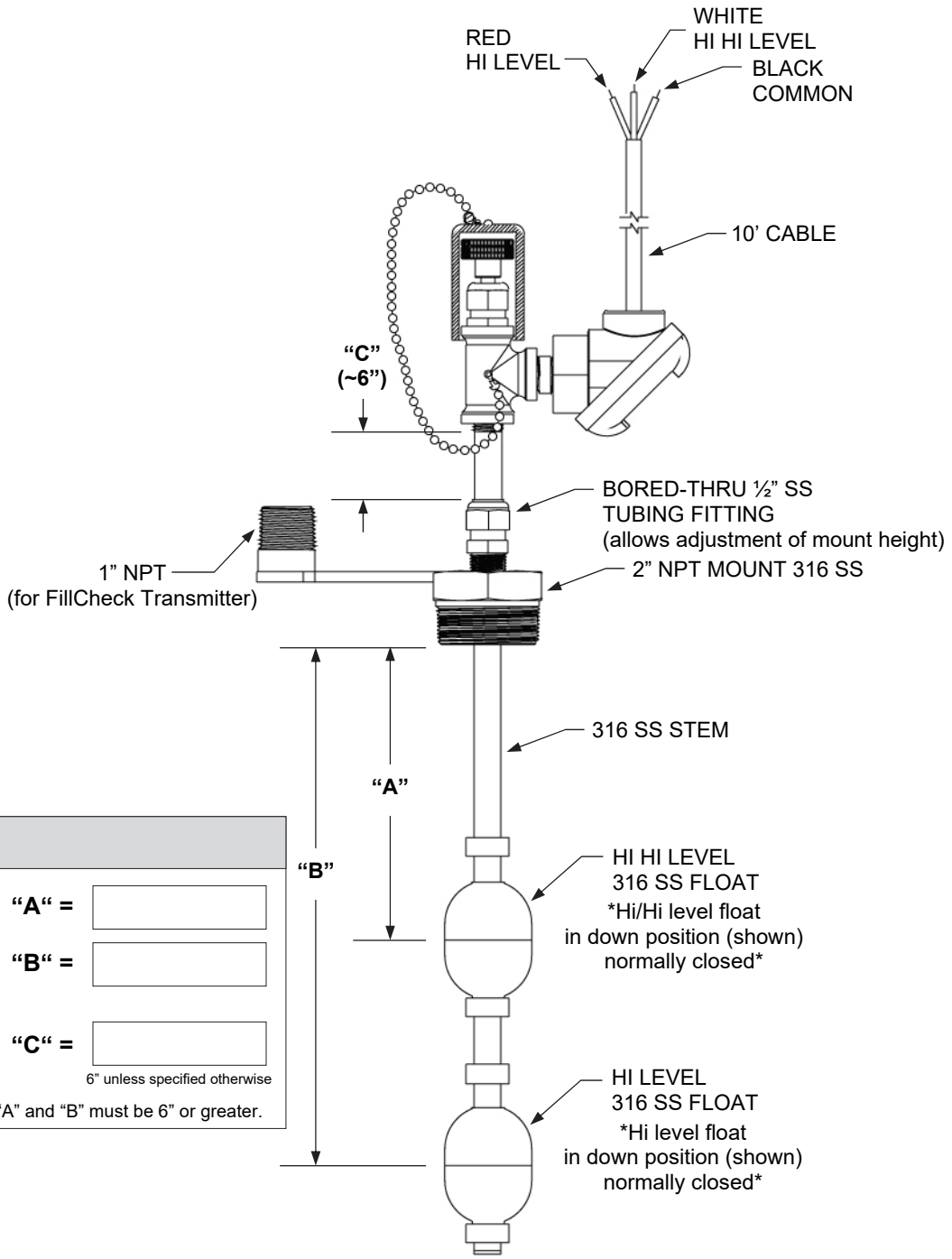
WIRES TO POWER SUPPLY

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.

FI-NM-DC-D SENSOR DIMENSION APPROVAL

CUSTOMER
PO #
SO #
SHIP DATE
QUANTITY
PRODUCT



"A" =	**HI HI LEVEL**	**"A" =**	
"B" =	**HI LEVEL**	**"B" =**	
"C" =	**OPTIONAL ADJUSTABILITY LEVEL**	**"C" =**	6" unless specified otherwise

IMPORTANT: Distance between "A" and "B" must be 6" or greater.

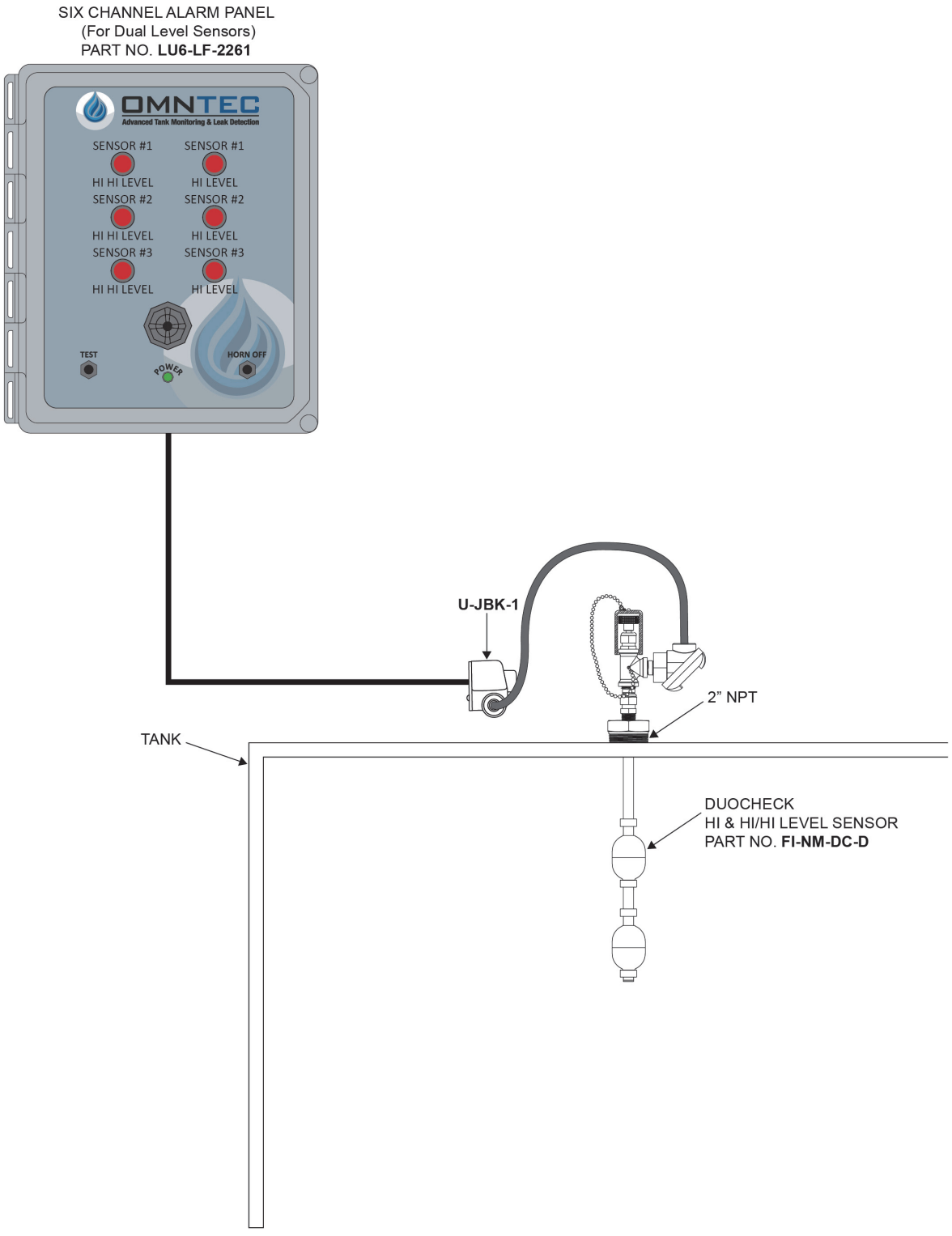
Name: _____ **Company:** _____

Signature: _____ **Date:** _____

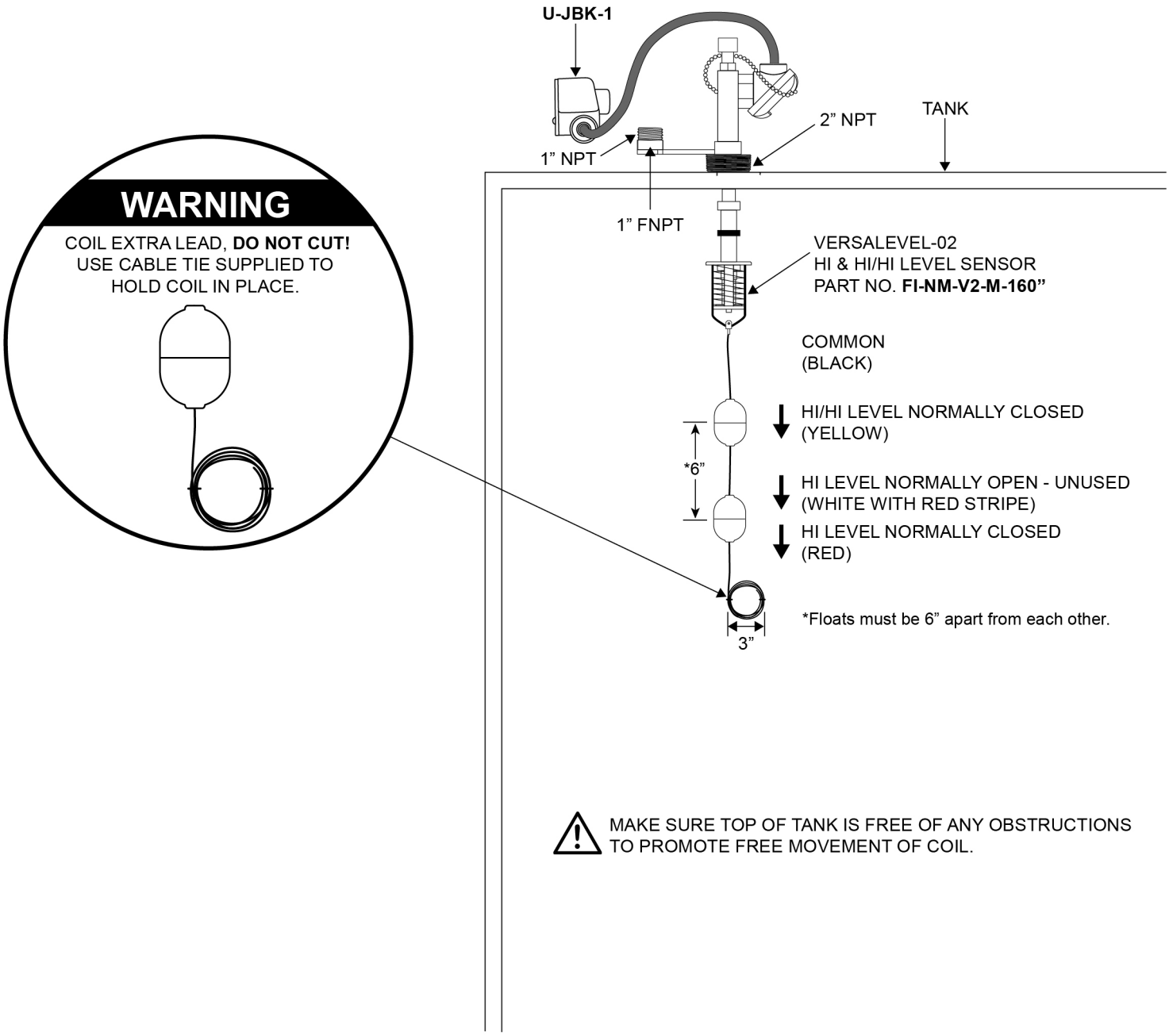
The signature above confirms the buyer's acceptance of all the dimensions contained in this document and authorizes OMNTEC to release order for production.

*** * * CUSTOM PARTS ARE NON-CANCELLABLE AND NON-RETURNABLE * * ***

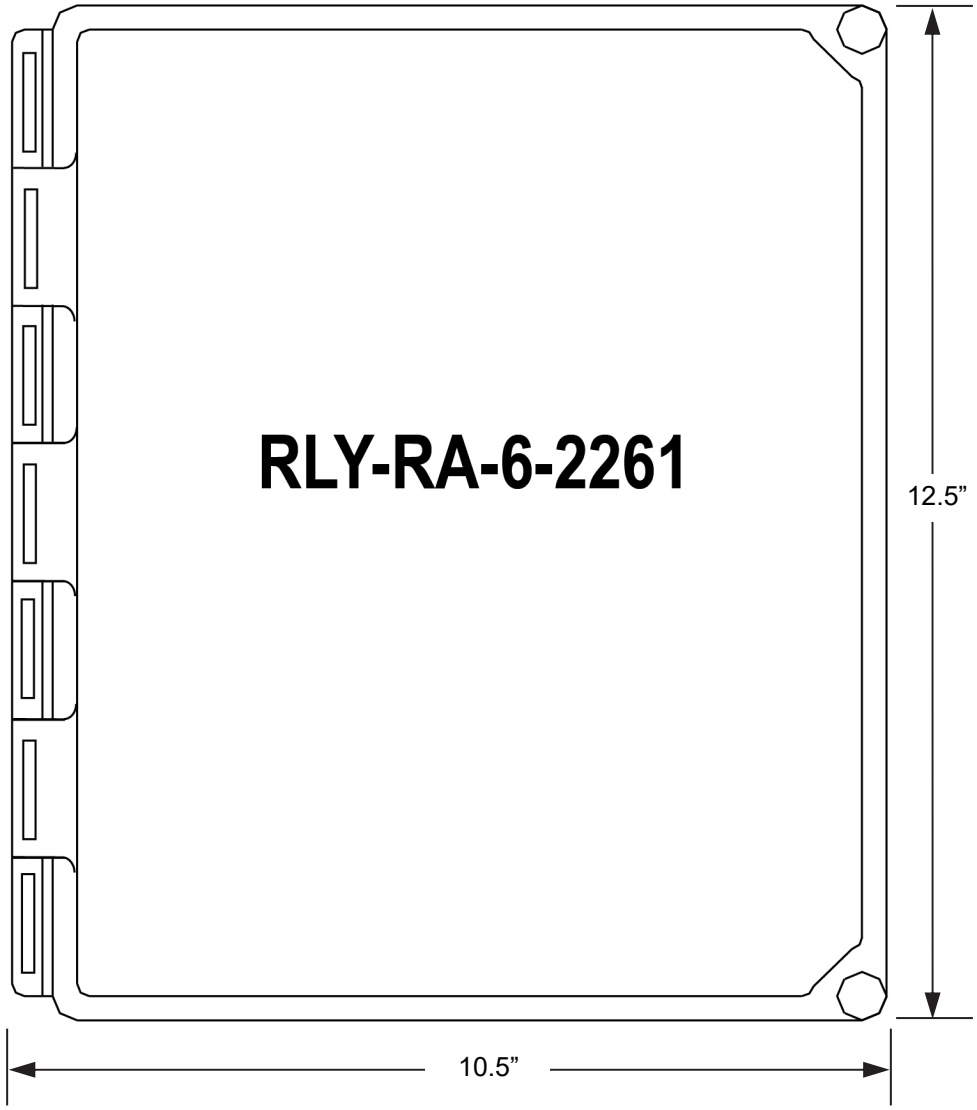
DUOCHECK FI-NM-DC-D SENSOR INSTALLATION



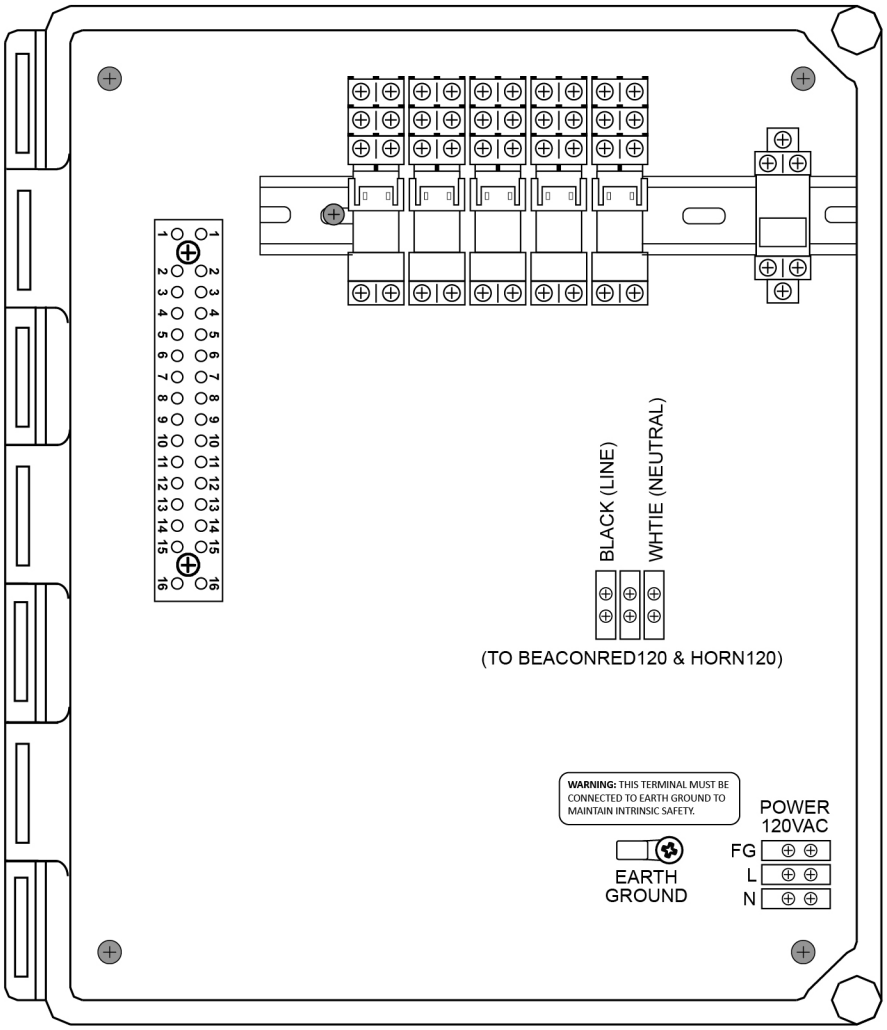
VERSALEVEL-02 FI-NM-V2-M-160 SENSOR INSTALLATION



RLY-RA-6-2261 RELAY DIMENSIONS

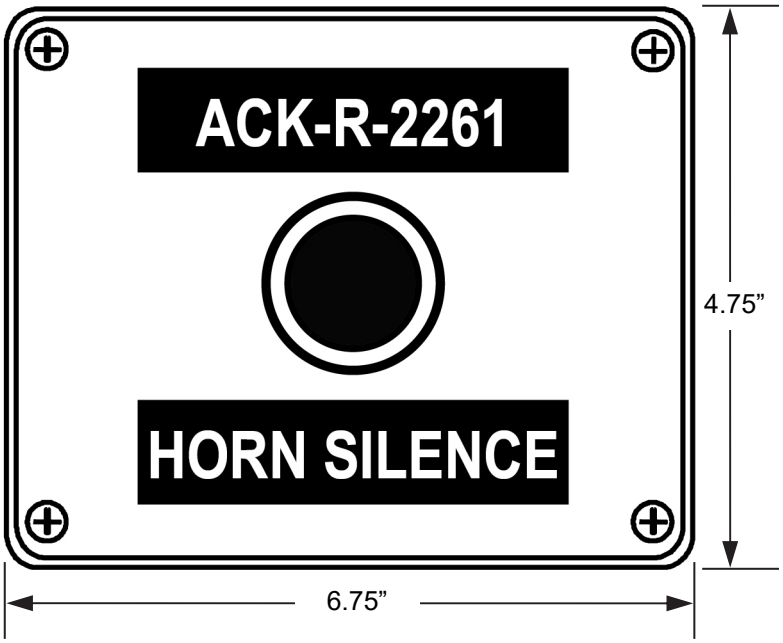


RLY-RA-6-2261 RELAY WIRING

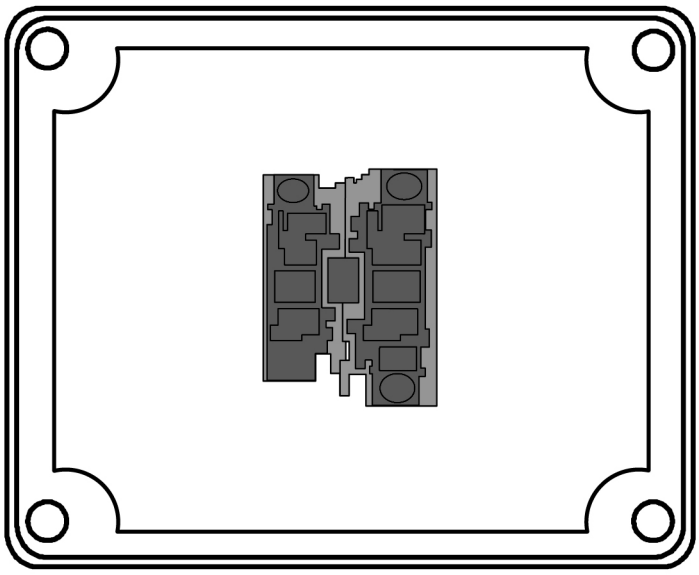


WIRES TO LU6-LF-2261			
1	GREEN	SYSTEM	1
2	RED	1	2
3	GREEN	SYSTEM	1
4	RED	2	2
5	GREEN	SYSTEM	1
6	RED	3	2
7	GREEN	SYSTEM	1
8	RED	4	2
9	GREEN	SYSTEM	1
10	RED	5	2
11	UNUSED		
12	UNUSED		
13	UNUSED		
14	UNUSED		
15	UNUSED		
16	UNUSED		

ACK-R-2261 REMOTE ANNUNCIATOR



INSIDE VIEW



WIRES TO OPTION BOARD IN LU6-LF-2261		
NORMALLY OPEN	BLUE	INPUT 12 SYSTEM 1
COMMON	BLACK	INPUT 11 SYSTEM 1
NORMALLY OPEN	BLUE	INPUT 12 SYSTEM 2
COMMON	BLACK	INPUT 11 SYSTEM 2
NORMALLY OPEN	BLUE	INPUT 12 SYSTEM 3
COMMON	BLACK	INPUT 11 SYSTEM 3
NORMALLY OPEN	BLUE	INPUT 12 SYSTEM 4
COMMON	BLACK	INPUT 11 SYSTEM 4
NORMALLY OPEN	BLUE	INPUT 12 SYSTEM 5
COMMON	BLACK	INPUT 11 SYSTEM 5

OMNTEC
Advanced Tank Monitoring & Leak Detection

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 seller's 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 seller's sole obligation is to repair or replace parts found to be defective, or non-conforming for one year and only after evaluation by factory. Technical support must be contacted for a Return Material Authorization (RMA #) prior to sending any potentially defective parts. 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 seller's 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 and control systems.