



OMNTEC

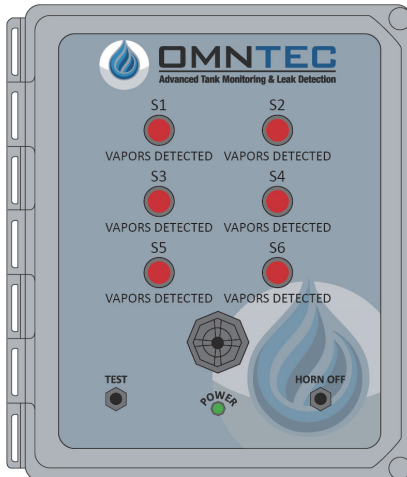
Advanced Tank Monitoring & Leak Detection



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-VS-240V

INSTALLATION GUIDE



SIX CHANNEL ALARM PANEL

Revision 2337

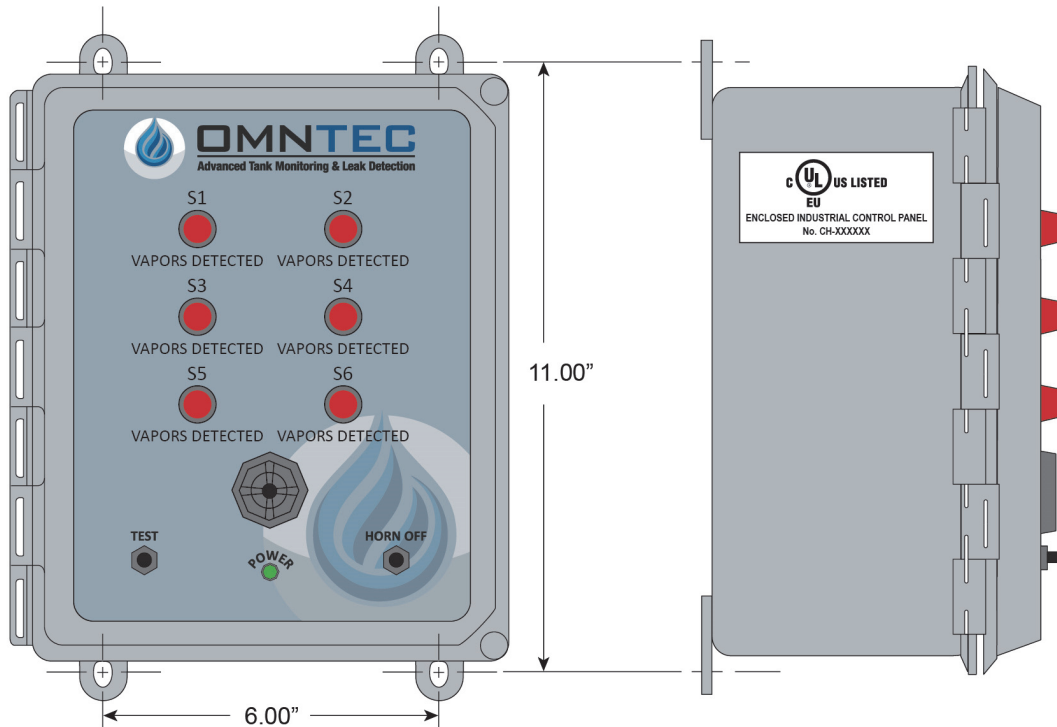
Document No. LU6-VS-240V

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LU6-VS-240V

SIX CHANNEL ALARM PANEL



LU6-VS-240V SPECIFICATIONS

POWER INPUT
220-240 VAC, 47-63 Hz
1.4 amps maximum

POWER TO SENSORS
2 VDC @ 13 mA

RELAY OUTPUT
One SPST normally open dry contacts 0.5 AMPS, 120 AC/DC switches when an alarm condition occurs for Sensor 1 only

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 test system lights and horn
GREEN LIGHT - Indicates the power is on
HORN OFF BUTTON - Silences the audible alarm when pressed

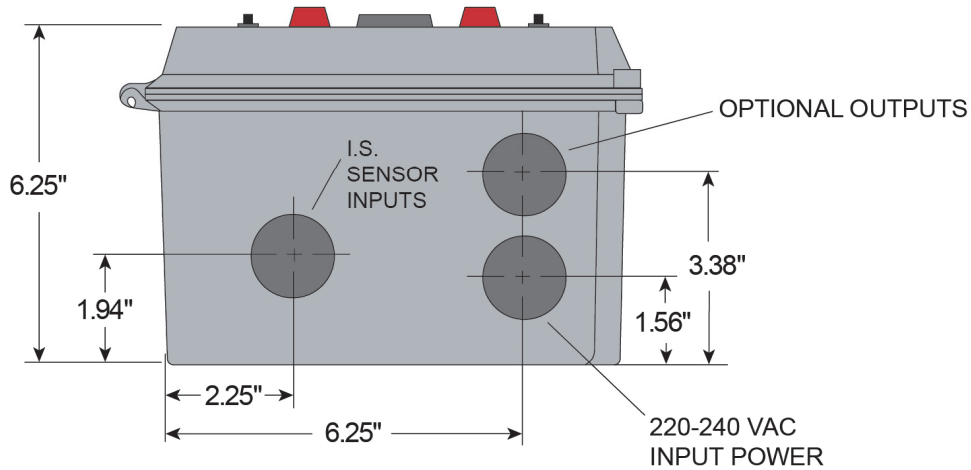
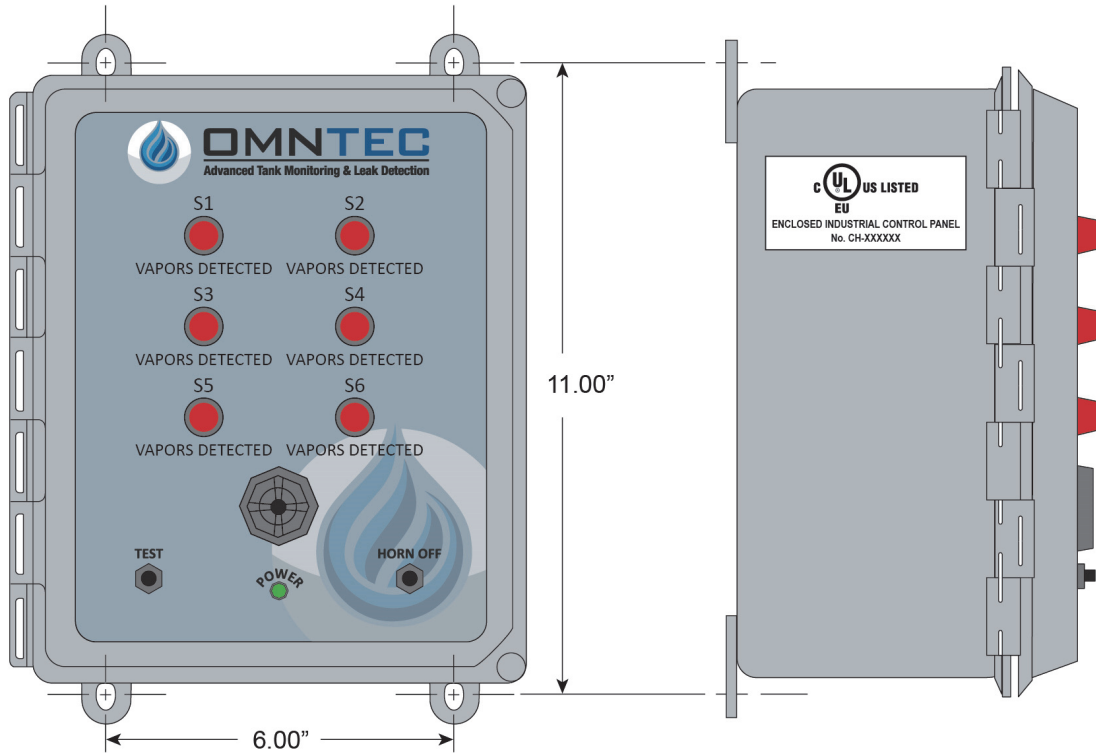
SENSORS
VS-1 Vapor sensor

OPTIONAL ACCESSORIES
RA Series Remote annunciator
RLY-RA Series Relay (consult factory)

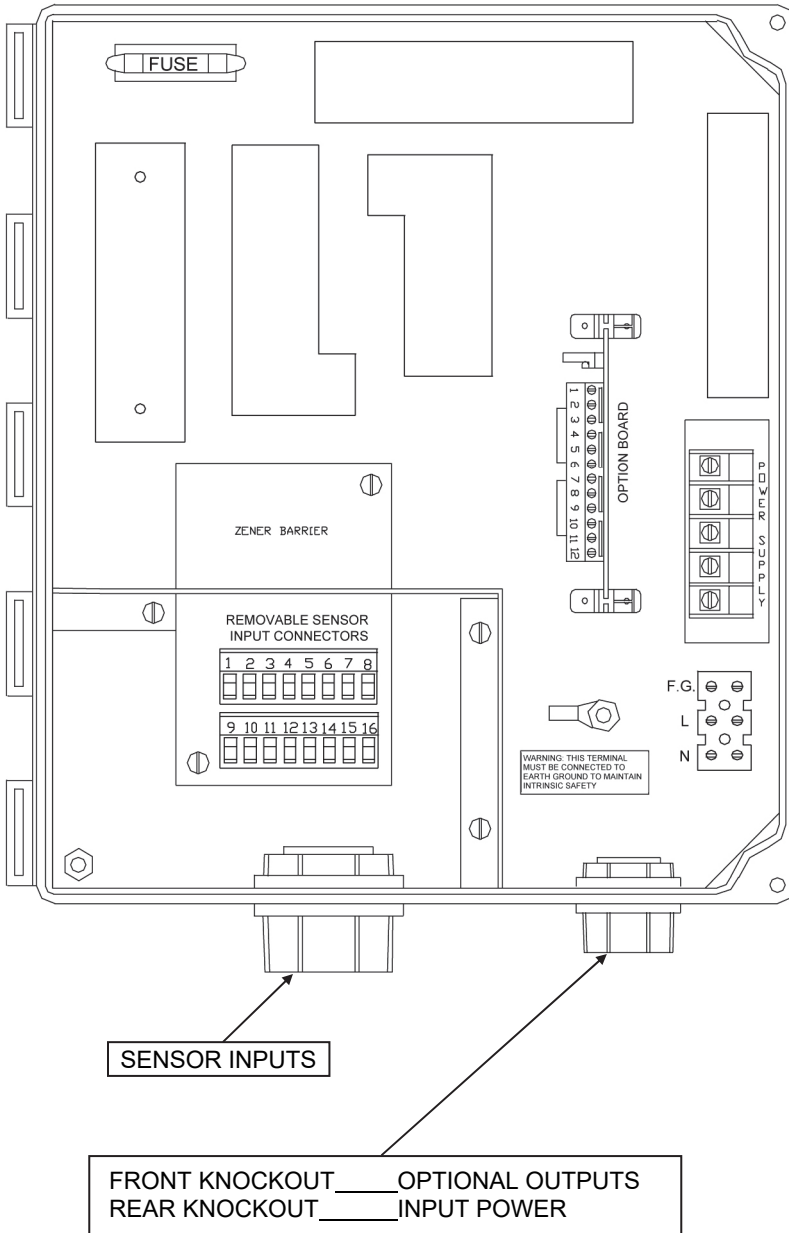
LABELS
Provided with controller

LU6-VS-240V

DIMENSIONS FOR MOUNTING AND KNOCKOUTS



LU6-VS-240V CONTROLLER CONNECTION DIAGRAM



COLOR CODE

CABLES FROM SENSORS TO REMOVABLE SENSOR INPUT CONNECTORS

1	UNUSED	SENSOR #1
2	WHITE	VS-1
3	UNUSED	SENSOR #2
4	WHITE	VS-1
5	UNUSED	SENSOR #3
6	WHITE	VS-1
7	BLACK	FROM SENSOR #1, #2, & #3
8	SHIELD DRAIN	
9	BLACK	FROM SENSOR #4, #5, & #6
10	SHIELD DRAIN	
11	UNUSED	SENSOR #4
12	WHITE	VS-1
13	UNUSED	SENSOR #5
14	WHITE	VS-1
15	UNUSED	SENSOR #6
16	WHITE	VS-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	YELLOW	SENSOR #5
9	PURPLE	SENSOR #6
10	UNUSED	

WIRES FROM RELAY OUTPUTS

11	COMMON	
12	NORMALLY OPEN	SENSOR #1

220-240 VAC

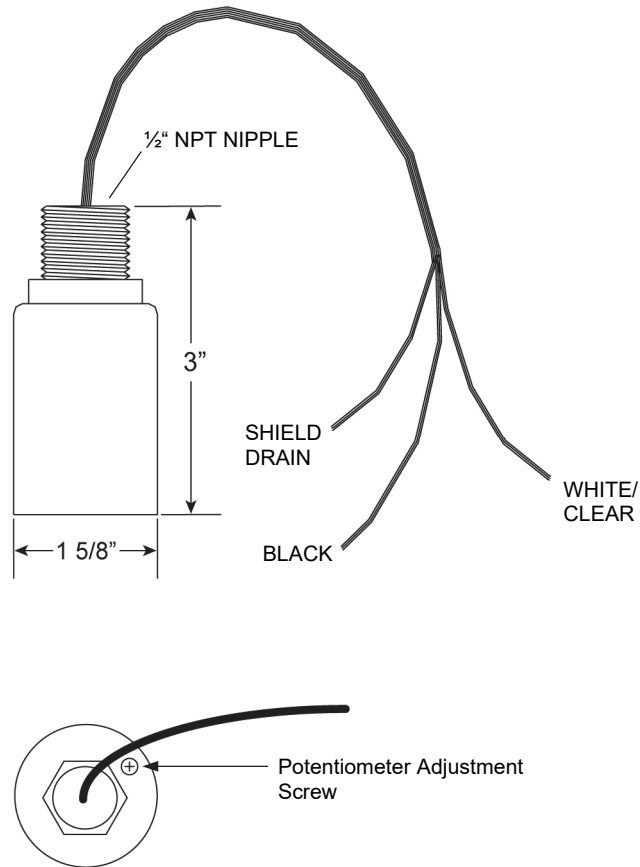
WIRES TO POWER SUPPLY

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.

VS-1 SENSOR

VAPOR SENSOR



VS-1 SPECIFICATIONS

SOLID STATE (NO MOVING PARTS)

RESPONSE TIME
IMMEDIATE

POWER
COLD SENSOR, NO POWER REQUIRED

WEIGHT
1 POUND

OPERATING TEMPERATURE
-40 TO +140° F

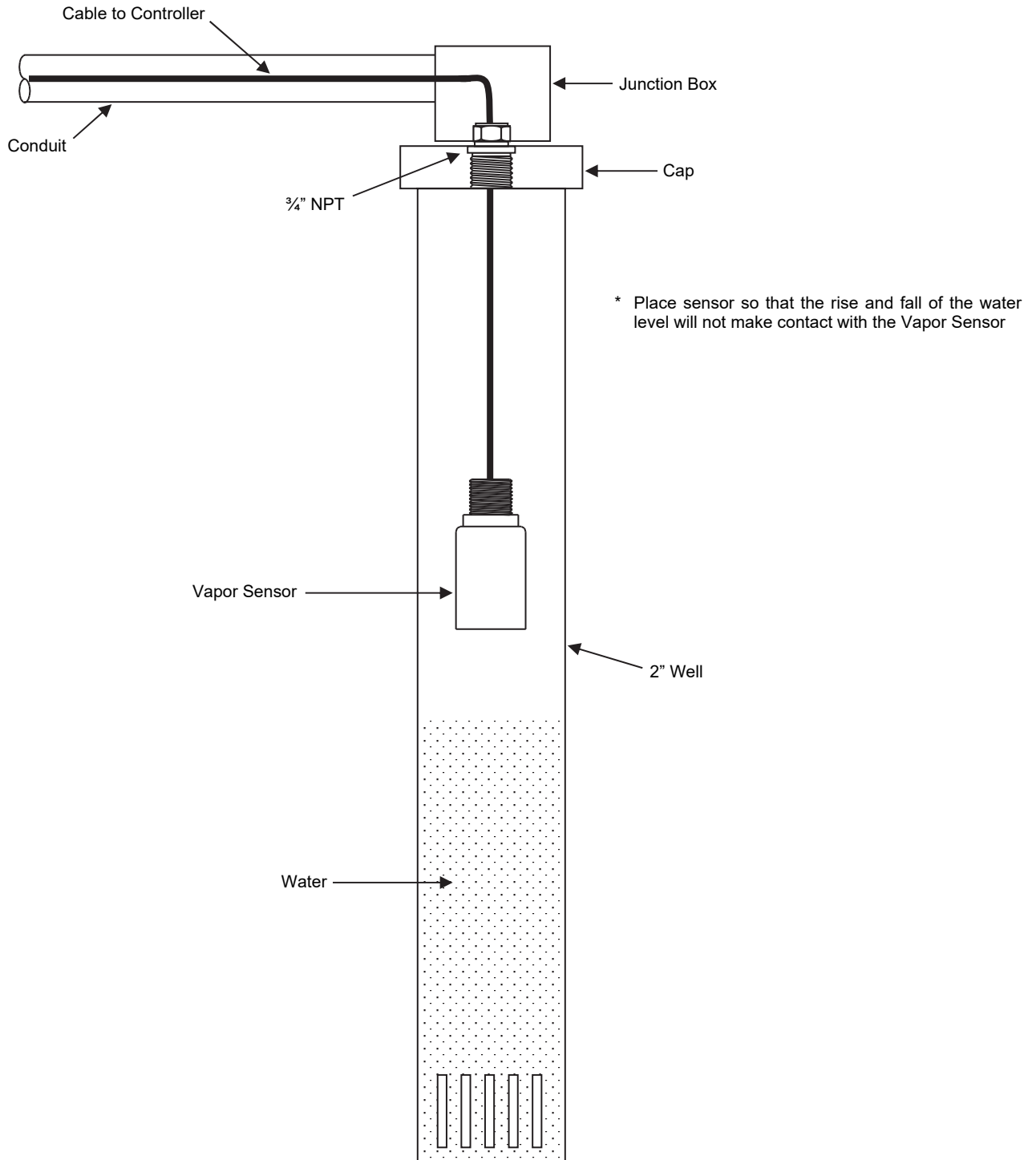
U.L. LISTED
INTRINSICALLY SAFE FOR USE CLASS 1, GROUP D
HAZARDOUS LOCATIONS WHEN CONNECTED IN
ACCORDANCE WITH CONTROL DRAWINGS
L1PD2,L2PD4,L3PD6
OEL8000 N.F.P.A. 493-1969

PROBE CABLE
SHIELDED 22 AWG MAXIMUM LENGTH 2000 FEET

PRINCIPLES OF OPERATION
SURFACE ABSORPTION OF VOLITILE ORGANICS
IE: GASOLINE, DIESEL AND MOTOR FUELS
CAPABLE OF DETECTING GASOLINE AT
CONCENTRATIONS BETWEEN 10 PPM AND 100 PPM

RESISTANCE
INITIAL RESISTANCE 500Ω
TRIGGER RESISTANCE 85KΩ

VS-1 VAPOR SENSOR INSTALLATION



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 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 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 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 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 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: custom equipment and control systems.