



OMNTEC

Advanced Tank Monitoring & Leak Detection

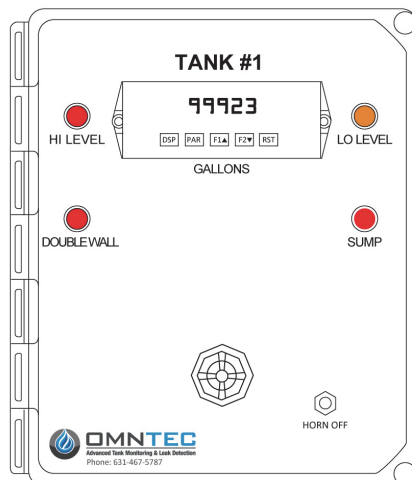


1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

RD625-1-HLOLL

FOR OEL8000IIIK/X GenIV

INSTALLATION GUIDE



REMOTE DISPLAY

Revision 2633

Document No. RD625-1-HLOLL

TABLE OF CONTENTS

RD625-1-HLOLL SPECIFICATIONS	3
OEL8000IIK MB-232/485 WIRING	4
OEL8000IIX MB-232/485 WIRING	5
RD625-1-HLOLL WIRING	6
OEL8000IIK / XC-R8 / RD625-1-HLOLL WIRING	7
OEL8000IIX / XB-RB8 / RD625-1-HLOLL WIRING.....	8

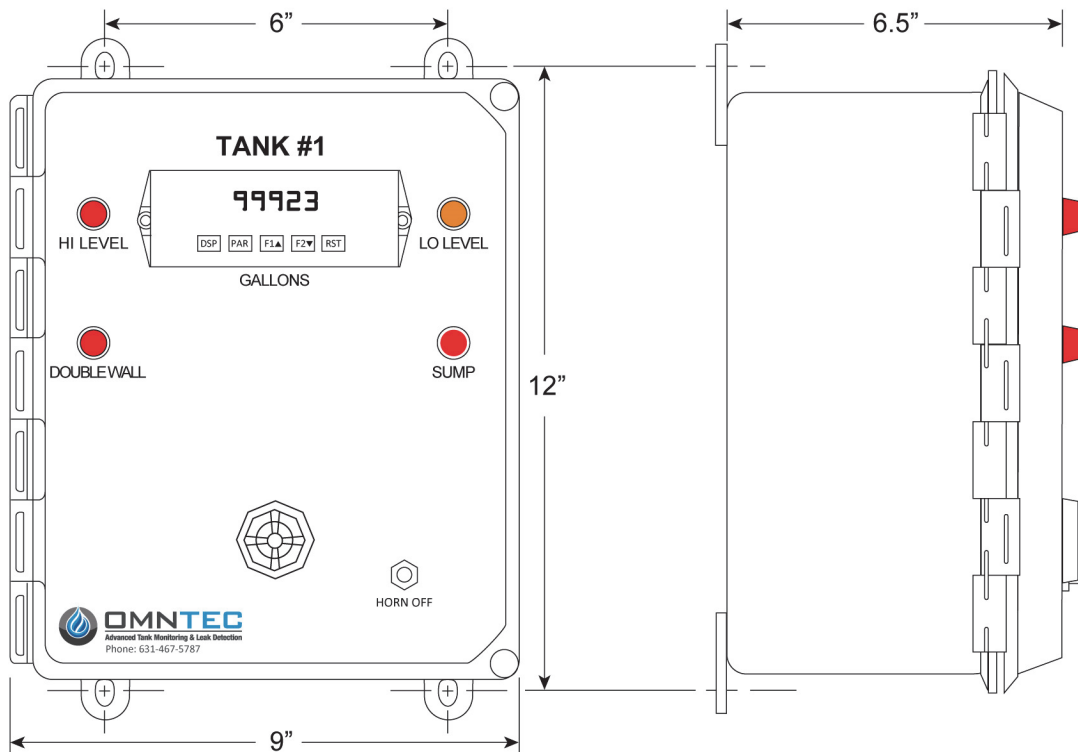


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Advanced Tank Monitoring & Leak Detection

RD625-1-HLOLL

REMOTE DISPLAY



RD625-1-HLOLL SPECIFICATIONS

POWER INPUT

120-volt AC

OPERATING TEMPERATURE

0 to 50 deg. C

WEIGHT

10 Pounds

ENCLOSURE

TYPE 4X

COMPATIBLE CONTROLLERS

OEL8000IIIK GenIV

OEL8000IIIX GenIV

AUDIO/VISUAL CONSOLE

AUDIBLE ALARM - 95 dB pulsing horn with 30 second timeout

LED DIGITAL DISPLAY - Tank volume

RED LIGHT - Hi Level and Leak alarm indication

AMBER LIGHT - Lo Level alarm indication

HORN OFF BUTTON - Silences the audible alarm

TEST BUTTON - Test system lights and horn

INPUT

MB-232/485 From OEL8000IIIK and OEL8000IIIX

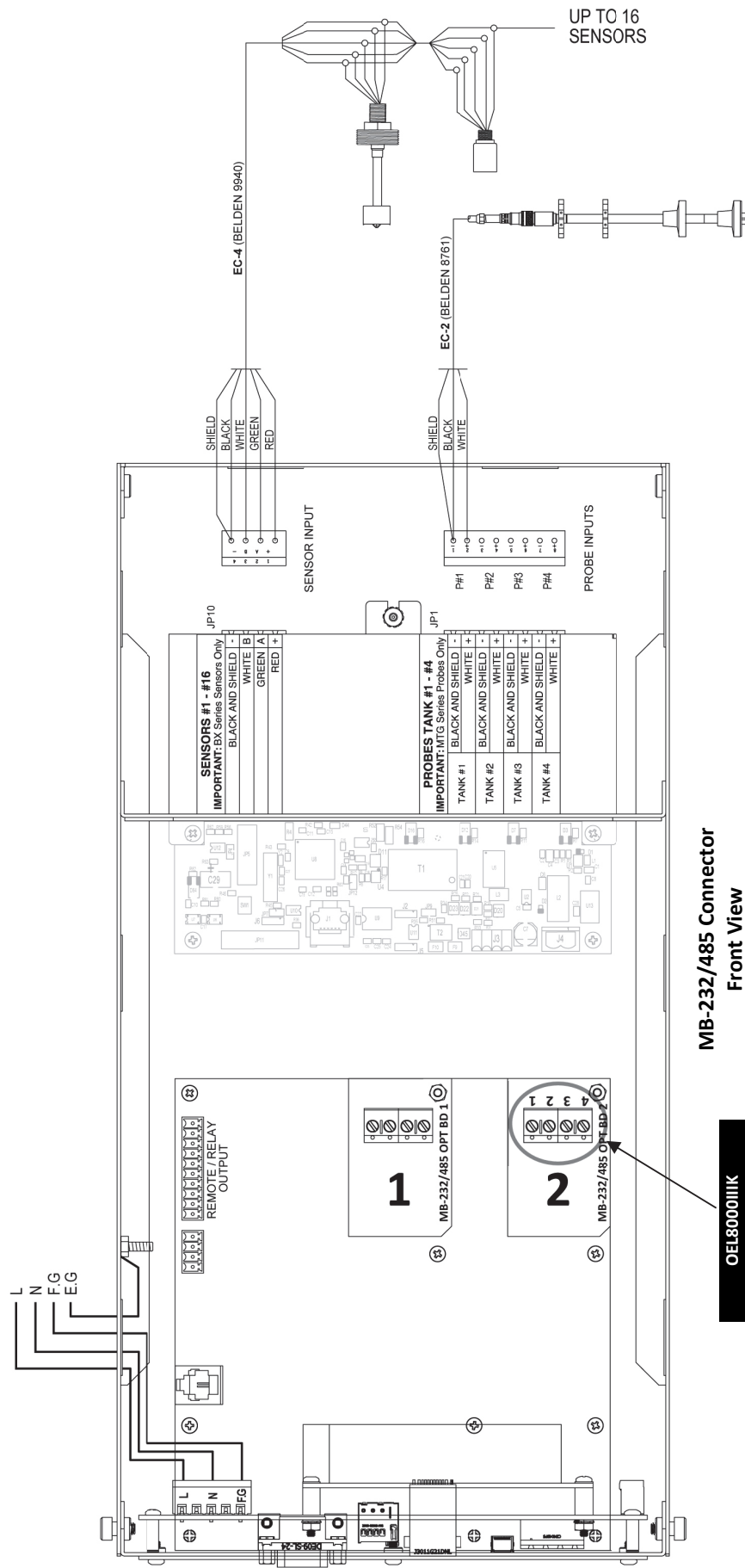
MCU J16 Remote/Relay Output

XC-R8 Relay output

XB-RB8 Relay output from OEL8000IIIX

IMPORTANT: Cable runs not to exceed 2000 feet.

OEL8000IIK MB-232/485 WIRING



MB-232/485 Connector

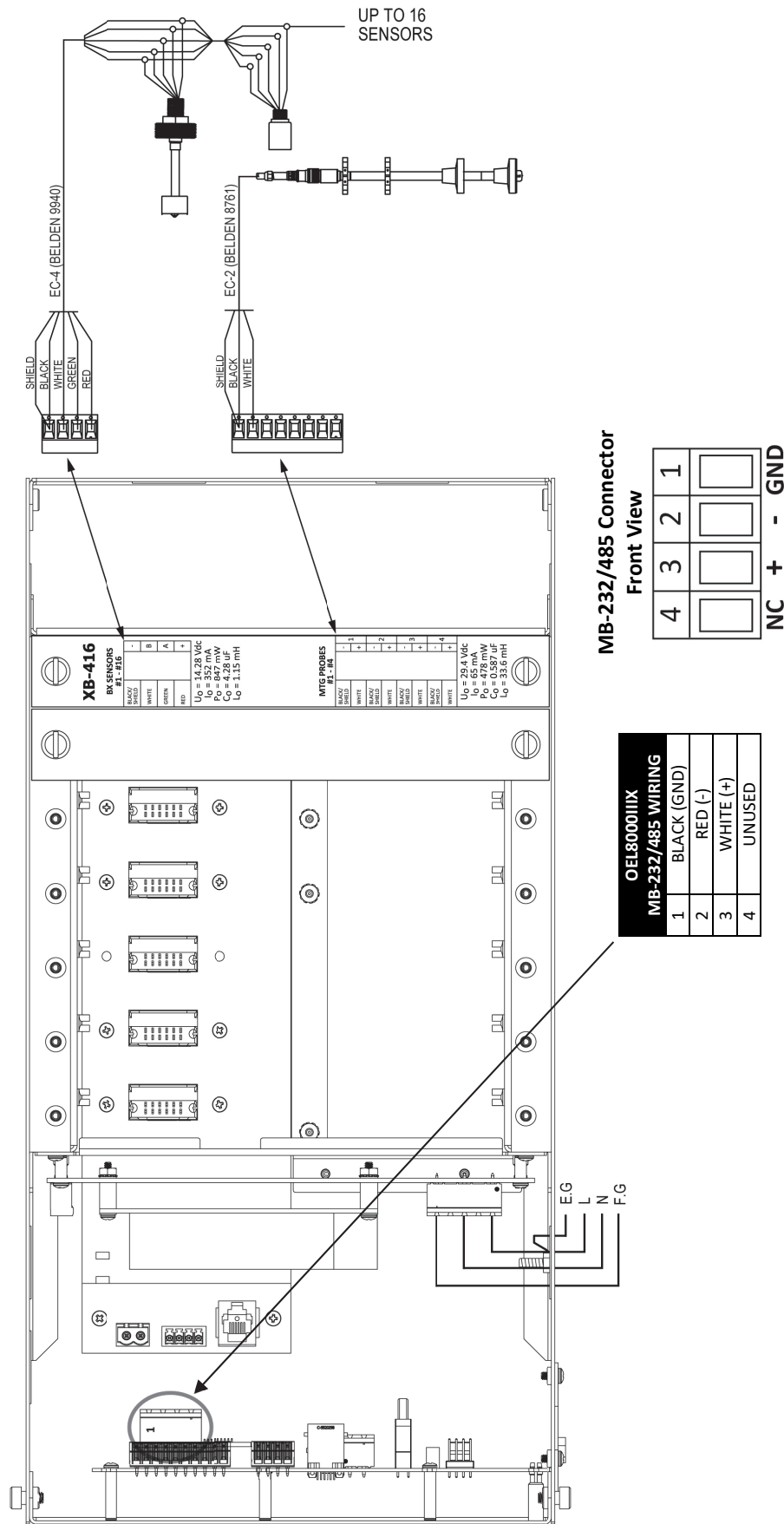
Front View

4	3	2	1
NC	+	-	GND

OEL8000IIK MB-232/485 WIRING			
1	BLACK (GND)		
2	RED (-)		
3	WHITE (+)		
4	UNUSED		

Note: Slot 1 or Slot 2 can be used for MB-232/485 board.

OEL8000IIIX MB-232/485 WIRING

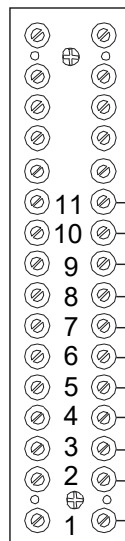




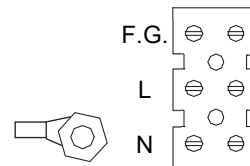
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RD625-1-HLOLL WIRING



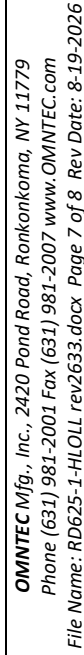
- | | | | |
|----|--------|----------------------------|--|
| 11 | YELLOW | OUTPUT 4 T1 SUMP | } XC-R8 (EXTERNAL)
OR
XB-RB8 (OEL8000IIIX) |
| 10 | PURPLE | OUTPUT 3 T1 DOUBLE WALL | |
| 9 | BROWN | OUTPUT 2 T1 LO LEVEL | |
| 8 | WHITE | OUTPUT 1 T1 HI LEVEL | |
| 7 | GREEN | (-) HORN | } MCU
J16
REMOTE |
| 6 | BLUE | HORN ACK | |
| 5 | BLACK | GROUND | |
| 4 | RED | (+)12V | |
| 3 | BLACK | to RS-485 in OEL8000IIIX/X | |
| 2 | WHITE | to RS-485 in OEL8000IIIX/X | |
| 1 | RED | to RS-485 in OEL8000IIIX/X | |



WARNING: THIS TERMINAL
MUST BE CONNECTED TO
EARTH GROUND TO
MAINTAIN INTRINSIC SAFETY



OEL8000IIK / XC-R8 / RD625-1-HLOLL WIRING



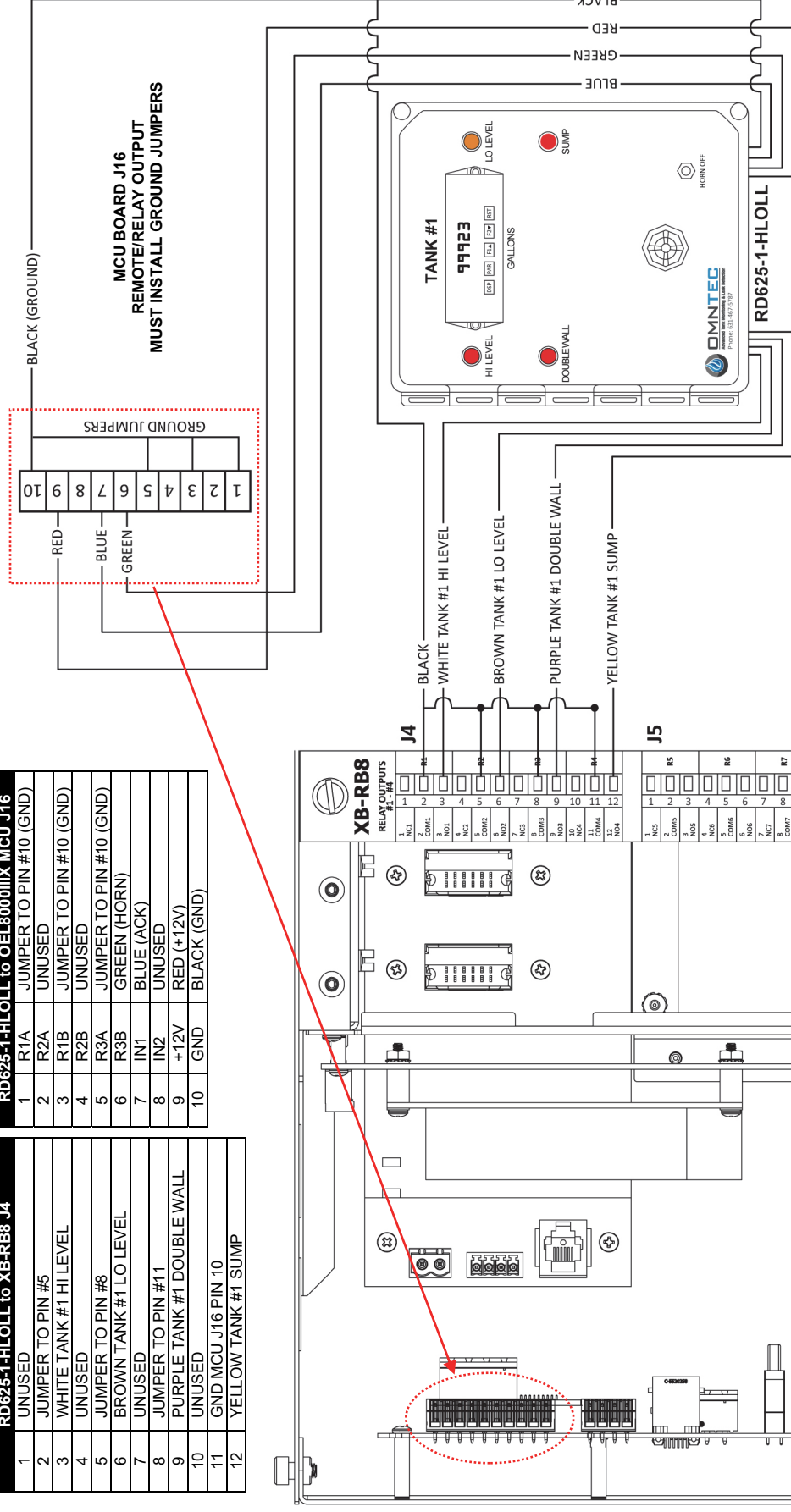
RD25-1-HLOLL to XC-R8 J4	
1	UNUSED
2	JUMPER TO PIN #5
3	WHITE TANK #1 HI LEVEL
4	UNUSED
5	JUMPER TO PIN #8
6	BROWN TANK #1 LO LEVEL
7	UNUSED
8	JUMPER TO PIN #11
9	PURPLE TANK #1 DOUBLE WALL
10	UNUSED
11	GND MCU J16 PIN #10
12	YELLOW TANK #1 SUMP

RD625-1-HL0LL to OEL8000IIK MCU J16		
1	R1A	UNUSED
2	R2A	UNUSED
3	R1B	UNUSED
4	R2B	UNUSED
5	R3A	JUMPER TO PIN #10
6	R3B	GREEN (HORN)
7	IN1	BLUE (ACK)
8	IN2	UNUSED
9	+12V	RED (+12V)
10	GND	BLACK (GND)

OEL8000IIIX / XB-RB8 / RD625-1-HLOLL WIRING

RD625-1-HLOLL to XB-RB8 J4	
1	UNUSED
2	JUMPER TO PIN #5
3	WHITE TANK #1 HI LEVEL
4	UNUSED
5	JUMPER TO PIN #8
6	BROWN TANK #1 LO LEVEL
7	UNUSED
8	JUMPER TO PIN #11
9	PURPLE TANK #1 DOUBLE WALL
10	UNUSED
11	GND MCU J16 PIN 10
12	YELLOW TANK #1 SUMP

RD625-1-HOLL to OEL8000IIX MCU J16		
1	R1A	JUMPER TO PIN #10 (GND)
2	R2A	UNUSED
3	R1B	JUMPER TO PIN #10 (GND)
4	R2B	UNUSED
5	R3A	JUMPER TO PIN #10 (GND)
6	R3B	GREEN (HORN)
7	IN1	BLUE (ACK)
8	IN2	UNUSED
9	+12V	RED (+12V)
10	GND	BLACK (GND)



Important Notes:

- Bring the annunciator cable into the annunciator via conduit.
- Ensure that the conduit connection is watertight.
- The optional annunciators (RD625 Series) require #22 AWG low voltage communication wire as a minimum.