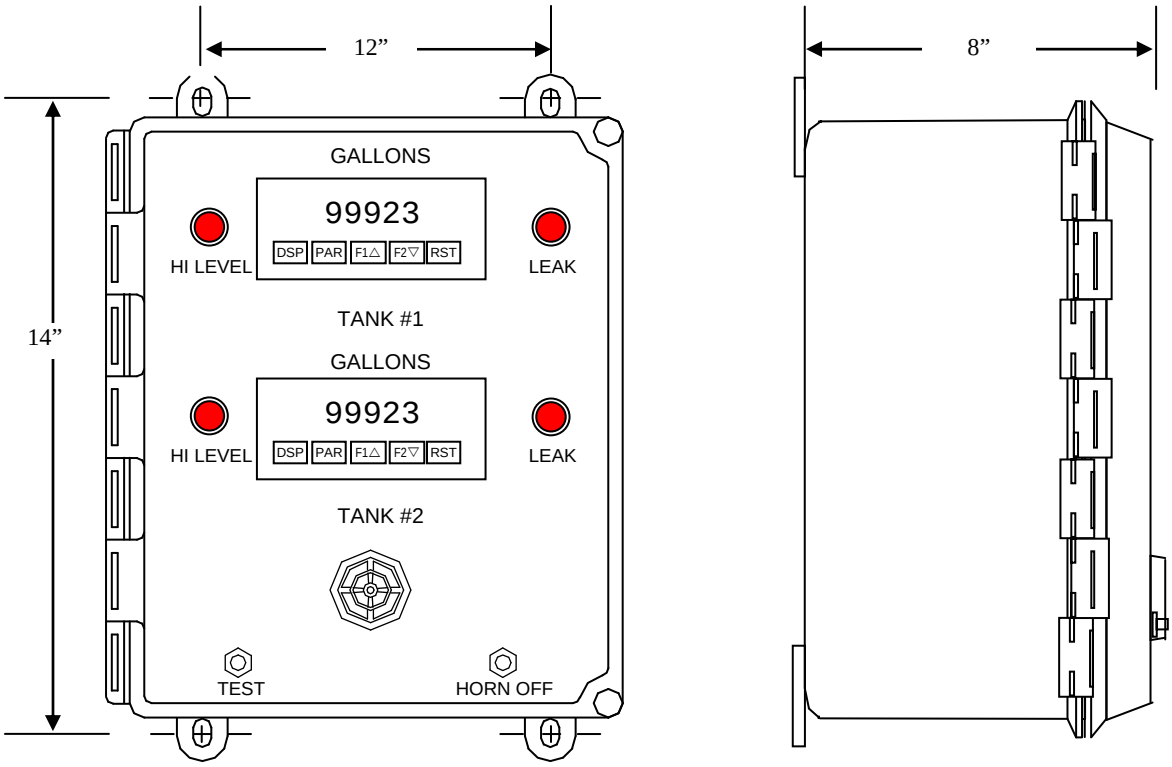
OMNTEC RD625-2-HL

AUDIO/VISUAL ALARM CONTROLLER & DIGITAL DISPLAY



SPECIFICATIONS*

POWER INPUT
12VDC from IB-12V
120 volt AC

OPERATING TEMPERATURE
0 to 50 deg. C

WEIGHT
10 Pounds

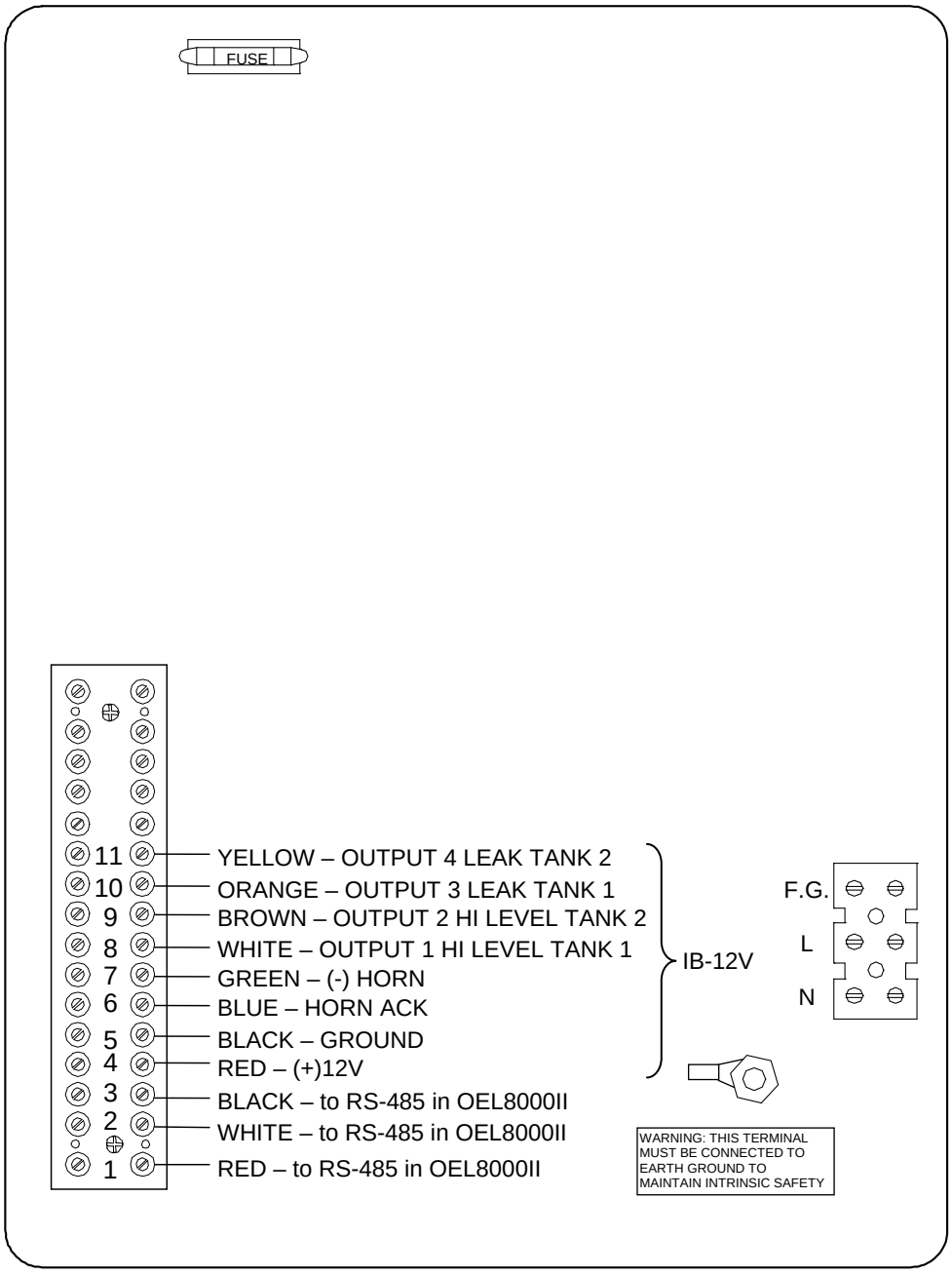
ENCLOSURE
TYPE 4X

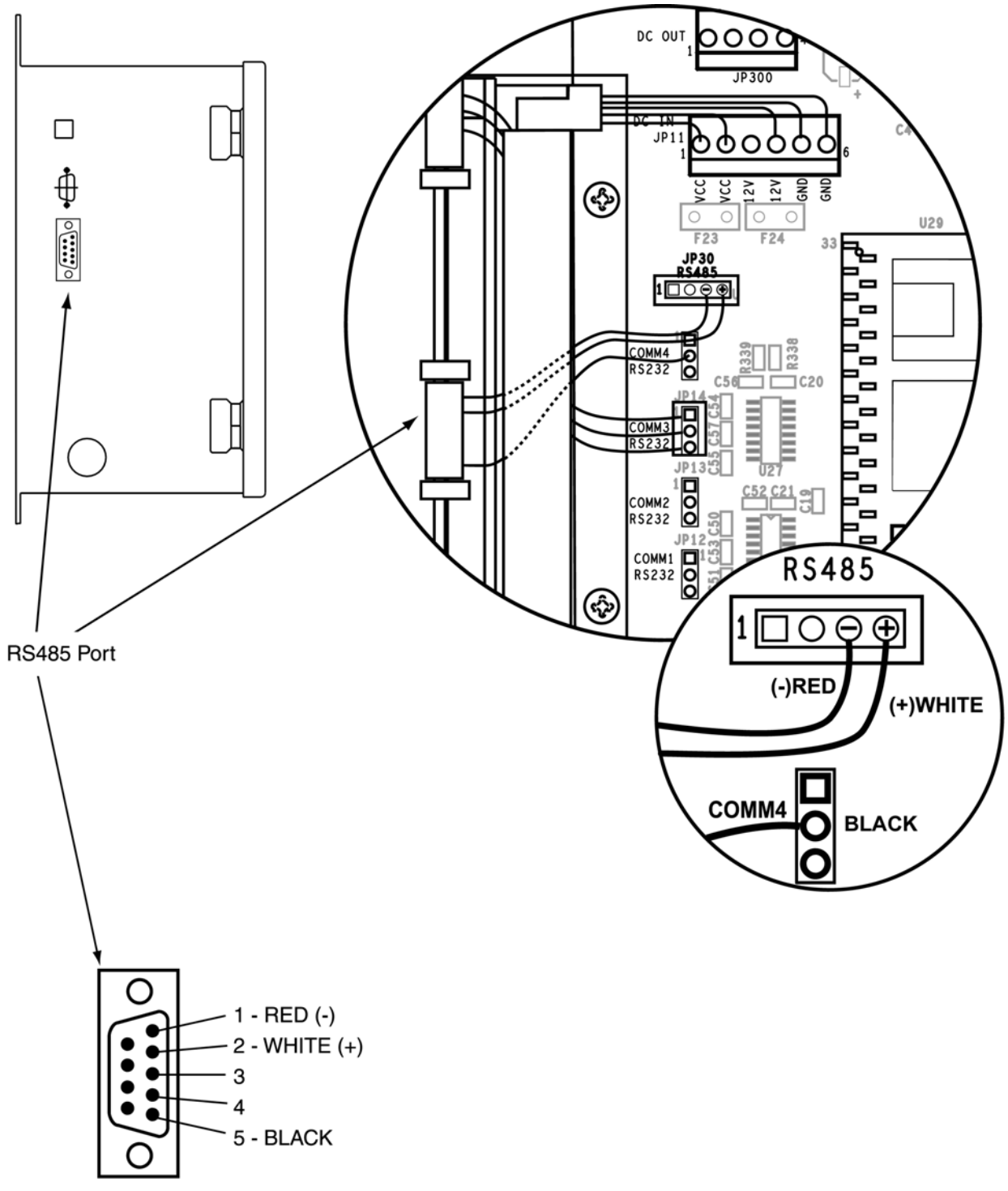
HORN
95 dB piezoelectric horn

AUDIO/VISUAL CONSOLE
Audible alarm - 95 dB pulsing horn with 30 second timeout
LED Digital Display for tank volume
RED light indicates high level or leak alarm condition
TEST Button - When pressed will test system electronics
HORN OFF Button - Silences the audible alarm when pressed

INPUT
RS-485 from OEL8000II
IB-12V low voltage output board

*Cable runs from OEL8000II to RD625-2 – Do Not exceed 2000 ft.


FUSE
11
10
9
8
7
6
5
4
3
2
1
YELLOW – OUTPUT 4 LEAK TANK 2
ORANGE – OUTPUT 3 LEAK TANK 1
BROWN – OUTPUT 2 HI LEVEL TANK 2
WHITE – OUTPUT 1 HI LEVEL TANK 1
GREEN – (-) HORN
BLUE – HORN ACK
BLACK – GROUND
RED – (+)12V
BLACK – to RS-485 in OEL8000II
WHITE – to RS-485 in OEL8000II
RED – to RS-485 in OEL8000II
IB-12V
F.G.
L
N
WARNING: THIS TERMINAL MUST BE CONNECTED TO EARTH GROUND TO MAINTAIN INTRINSIC SAFETY


DC OUT
JP300
DC IN
JP11
VCC
VCC
12V
12V
GND
GND
F23
F24
U29
JP30
RS485
COMM4
RS232
COMM3
RS232
COMM2
RS232
COMM1
RS232
RS485 Port
RS485
(-)RED
(+)WHITE
COMM4
BLACK
1 - RED (-)
2 - WHITE (+)
3
4
5 - BLACK

IB-12V Low Voltage Interface Board Installation

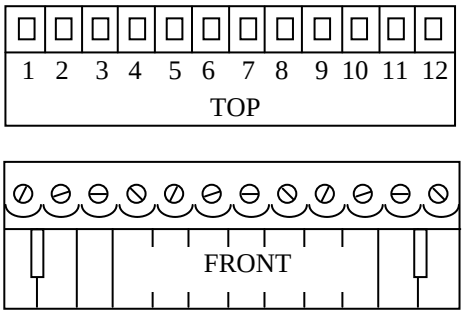
12 Volt D.C. Low Voltage Interface Board

OEL8000II system must have software version 5.3 or greater

1. Attach wires to the top of the removable connector.

IB-12V in an energized unalarmed state, when used with RAS series remotes:

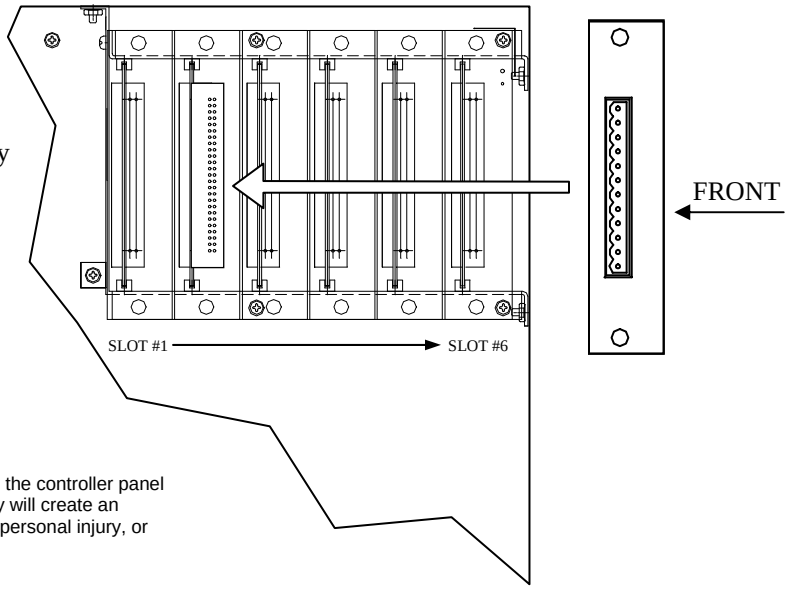
1	+12V	Red		
2	Ground	Black		
3	Horn Ack	Blue		
4	- Horn	Green		
5	Output 1	White	*Event 1	Hi Level Tank 1
6	Output 2	Brown	Event 2	Hi Level Tank 2
7	Output 3	Orange	Event 3	Leak Tank 1
8	Output 4	Yellow	Event 4	Leak Tank 2



*Event-see page 3

2. Insert IB-12V interface board into designated card slot in OEL8000II.
NOTE: Once a slot is configured for a specific board it can not be changed to accept a different board. *Consult factory to re-configure a board slot.

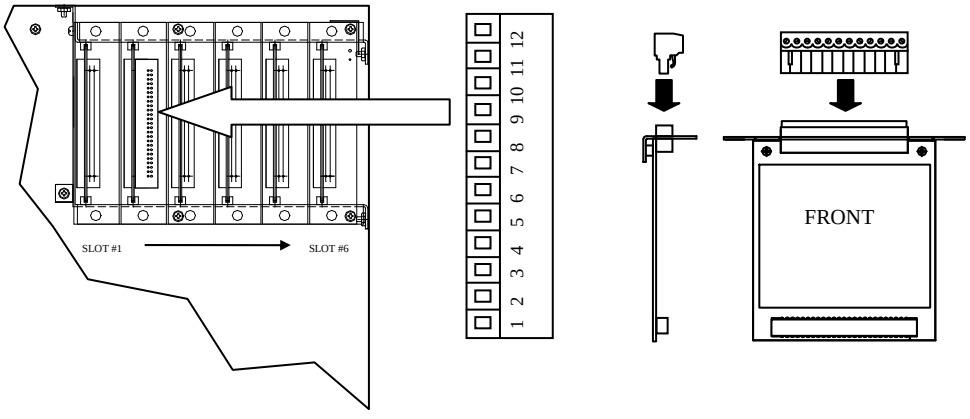
To program 12 volt events refer to the OEL8000II IB-12V programming sheet low voltage board.



WARNING

Remove all power to the controller and to all wires entering the controller panel before doing any installation or servicing. Failure to comply will create an electric shock or explosion hazard that can result in death, personal injury, or property damage.

3. Attach removable connector to IB-12V
(The IB-12V should already be inserted into the card slot in the OEL8000II).

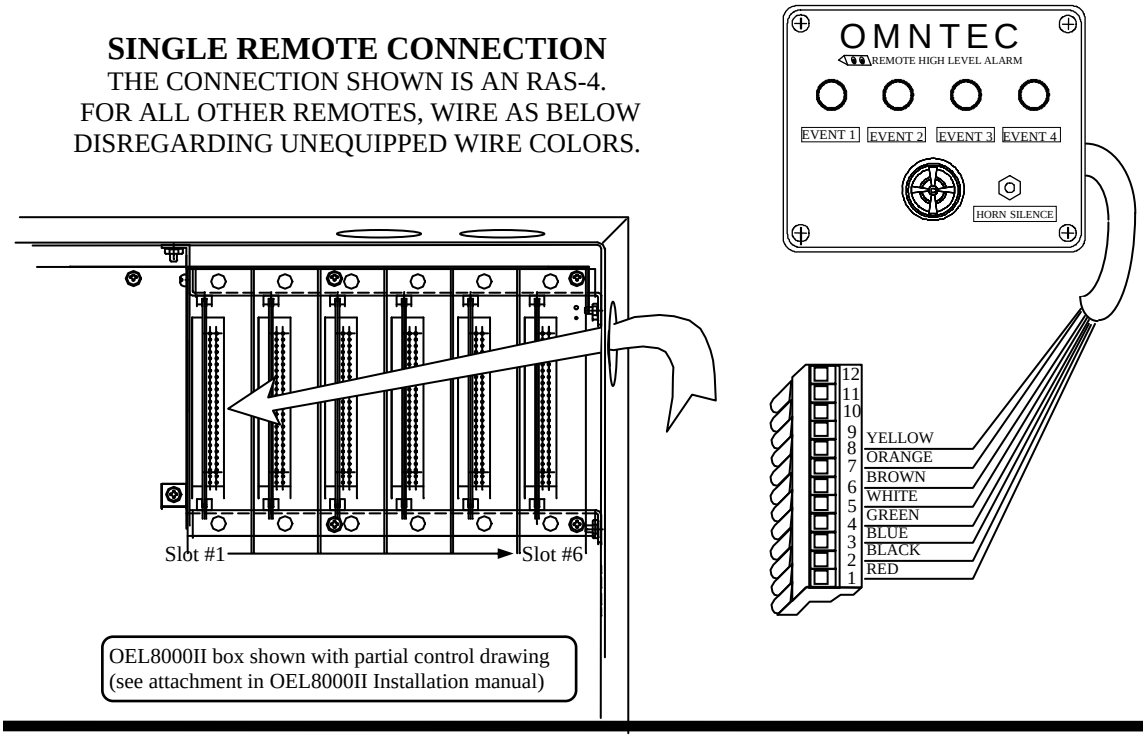


OEL8000II Remote Annunciator Installation

When used with IB-12V low voltage board, OEL8000II software version must be 5.3 or greater

SINGLE REMOTE CONNECTION

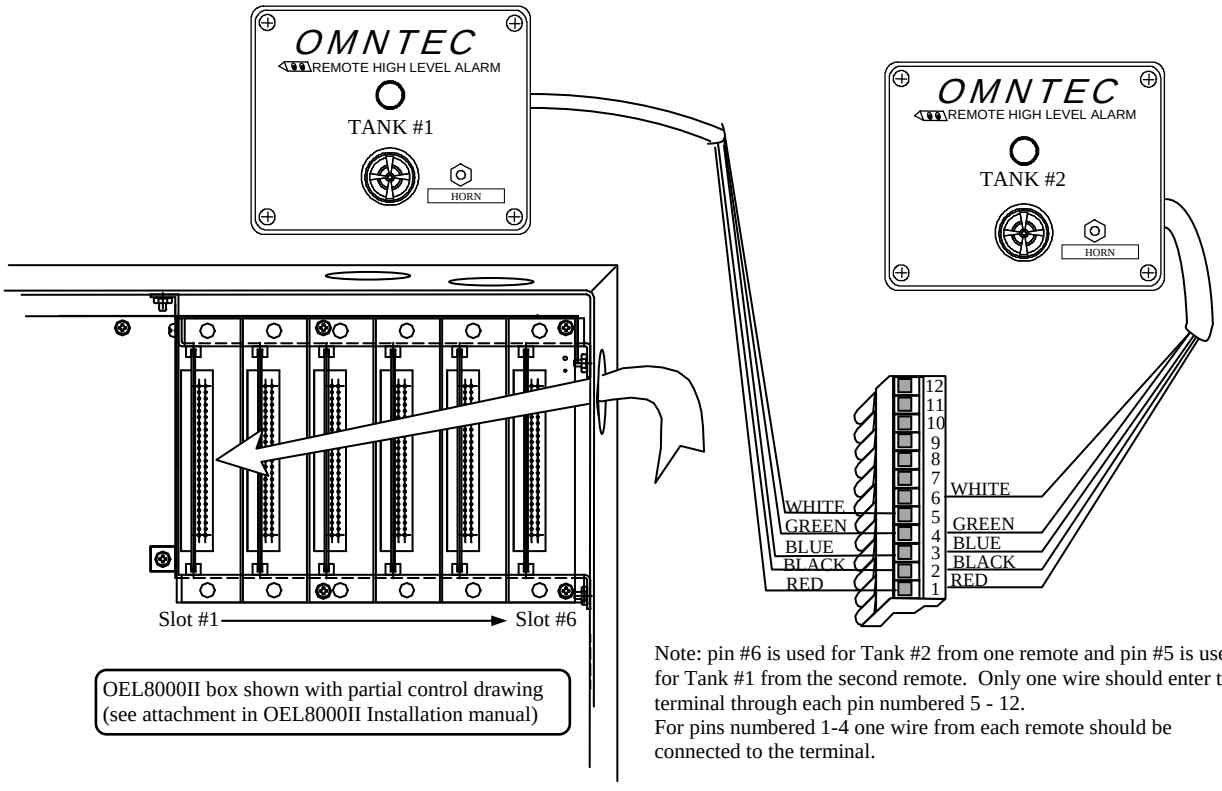
THE CONNECTION SHOWN IS AN RAS-4.
FOR ALL OTHER REMOTES, WIRE AS BELOW
DISREGARDING UNEQUIPPED WIRE COLORS.



OEL8000II box shown with partial control drawing
(see attachment in OEL8000II Installation manual)

MULTI-REMOTE CONNECTION

SHOWN BELOW IS A TYPICAL CONNECTION OF TWO RAS-1 REMOTES



OEL8000II box shown with partial control drawing
(see attachment in OEL8000II Installation manual)

Note: pin #6 is used for Tank #2 from one remote and pin #5 is used for Tank #1 from the second remote. Only one wire should enter the terminal through each pin numbered 5 - 12.
For pins numbered 1-4 one wire from each remote should be connected to the terminal.

OMNTEC IB-12V Low Voltage Board

Program Instructions

1. Power OFF
2. Insert IB-12V board (as shown)
3. Power ON
4. Enter "SETUP" via. Front keypad
5. Enter security code (default code is 000000)
6. Select "MORE" 3 times
7. The screen options will read: COMM | INT BRD | | MORE
8. Select "INT BRD"
9. Screen options: SLCT BRD | PROGBRD| PRINT | BACK
10. Pressing "SLCT BRD" will scroll through a list of interface boards. Press "PROG BRD" to program the selected "IB-12V" (Low Voltage)
11. The screen will display which slot the board is in and identify the board. Options on this screen are:
    SLCT OUT | PROGOUT |CLR OUT |BACK
12. Pressing "SLCT OUT" will toggle through outputs 1 – 8 CLR OUT will clear programmed output for the selected board.
13. Select "PROG OUT"
14. Screen options: TANK | SENSOR | | BACK

- TANK

  TANK#1 | SLCT COND | ENBL/DIS | BACK

  1st. - TANK#1 – select tank
  2nd. - SLCT COND – select condition to set as output activator source
  3rd. - ENBL/DIS – enable or disable selected condition
  4th. - BACK or MENU to return to Main Menu and accept parameter changes

- SENSOR

  1st. - Options for Sensors will change according to sensor type. The sample listed below is for a product distinguishing sensor.
  NEXT SNSR | ENBL/DIS | W/F | BACK

  2nd. - NEXT SNSR – Select sensor
  3rd. - W/F – Select Water or Fuel
  4th. - ENBL/DIS – Enable or disable selected option
  5th. - Select BACK or MENU to return to Main Menu and accept parameter changes

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*__Event__ represents the following **probe** conditions:
- Hi Hi Product
- Hi Product
- Lo Lo Product
- Lo Product
- Hi Water
- VLD – S.B.

*__Event__ represents the following **sensor** conditions:
- Sump (water or product)
- Dispenser
- Doublewall
- Hi Level Product
- Lo Level Product
- Temperature
- Vault (water or product)
- No Reply