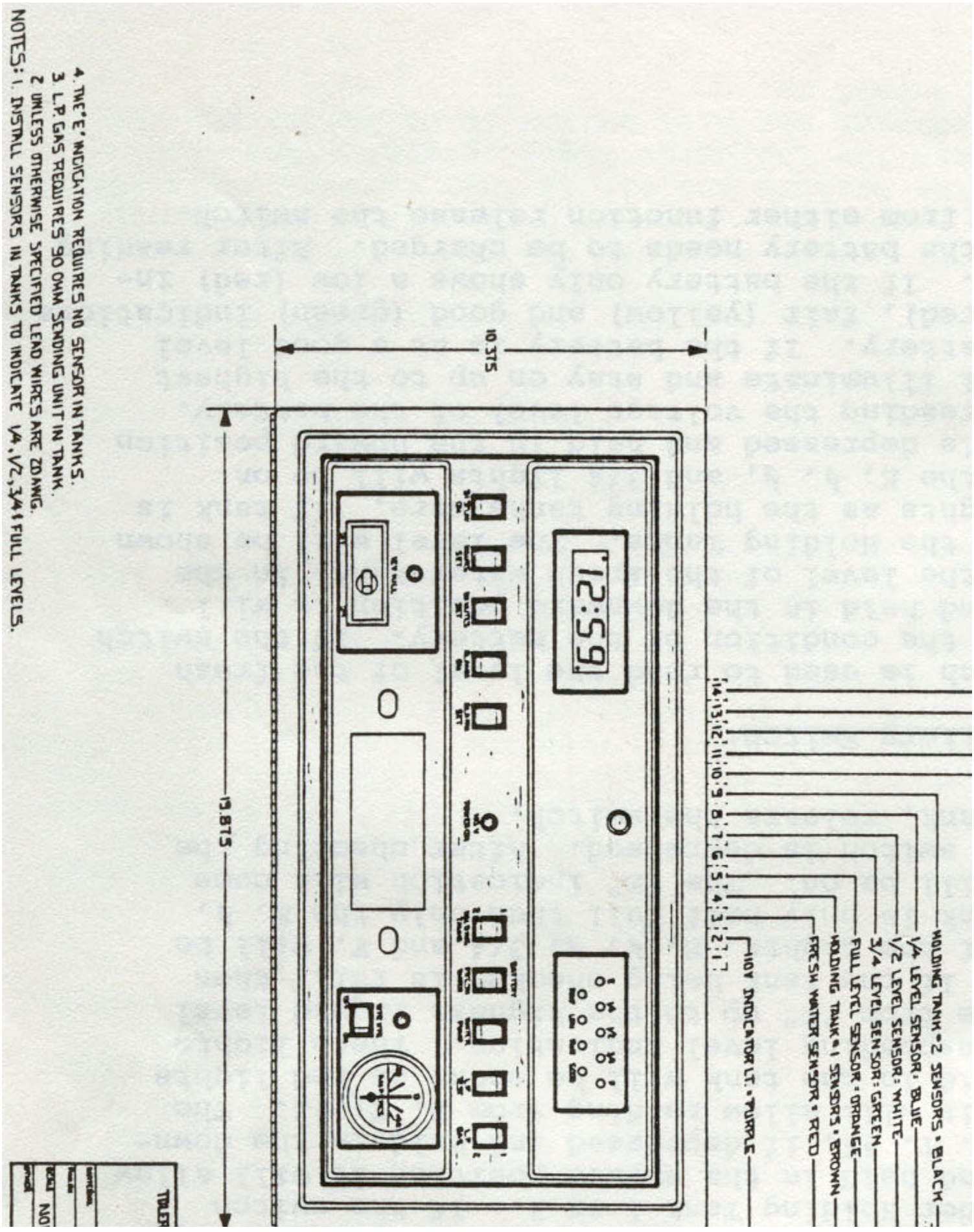

NOTES: 1. INSTALL SENSORS IN TANKS TO INDICATE 1/4, 1/2, 3/4 FULL LEVELS.
2. UNLESS OTHERWISE SPECIFIED LEAD WIRES ARE 20AWG.
3. L.P. GAS REQUIRES 90 OHM SENDING UNIT IN TANK.
4. THE 'E' INDICATION REQUIRES NO SENSOR IN TANKS.

LVS Industries
16782 Burke Lane
Huntington Beach, CA 92647
(714) 848-8580

Monitor Panel #1160 Operating Instructions

Holding Tanks 1 and 2 Switch:

This switch will enable you to read the level of liquids in either Holding Tank 1 or 2. If the switch is depressed and held in the upward position it will allow reading from H. T. #1, if depressed and held in the downward position it will allow reading from H. T. #2. The amount of liquid in the tank will be shown as red lights under the corresponding level indication. These lights will illuminate from "E" up to the highest liquid level in that tank. If the tank being checked is full, then all five (5) of the lights, E, ¼, ½, 3/4 and F. will be on. If the tank is only half full then only the E, ¼, and ½ lights will be on. The "E" indication will come on anytime the switch is depressed. After checking the level of the tank, release the switch.

Fresh Water/Battery Switch:

This switch is used to read the level of the fresh water tank and the condition of the battery. If the switch is depressed and held in the downward position it will allow reading the level of the fresh water tank, in the same manner as the Holding Tanks. The level will be shown on the same lights as the holding tanks were. If tank is 3/4 full then the E, ¼, ½, and 3/4 lights will be on. If the switch is depressed and held in the upward position it will allow reading the voltage level of the battery. The lights will illuminate and stay on up to the highest level of the battery. If the battery is at a good level then the low (red), fair (yellow) and good (green) indications will all be on. If the battery only shows a low (red) indication then the battery needs to be charged. After reading has been taken from either function release the switch.

Water Pump Switch:

This switch will turn on or turn off the water pump system. When the switch is depressed upward the red indicator light below the "pump" indication will come on indicating the water pump has been turned on and will be able to operate. When the switch is depressed downward the indicator light will go off indicating the water pump is turned off and will not operate.

L.P. Test Switch and L.P. Gas 1 & 2 Switch:

These two switches are used with each other. First you must use the L.P. Gas 1 & 2 switch to select which tank, 1 or 2, you wish to take a reading from. Once you have selected 1 or 2 then depress and hold the L.P. test switch in the upward position. This will enable reading the level of L.P. in the tank selected. The lights (same ones used for fresh water and H.T, 1 & 2) will come on up to and including the highest level of L.P. in that tank. If the tank is only ¼ full then only the "E" and ¼ lights will be on. If the tank is full then all the lights (E, ¼, ½, 3/4, F) will be on. After taking the desired reading release the L.P. test switch.

Water Heater Switch and Light (amber):

This switch will turn on the water heater when depressed to the right. When the water heater is igniting the amber light above the switch will flash on and off. After the water heater is on and working the light will go off until the water cools and calls for more heat. Then the light will again flash on and off during ignition and go off after full ignition. If the amber light remains on, the water heater is in lock-out mode. This means that ignition did not take place, and the light will remain on until the switch is turned off. Wait thirty (30) seconds and repeat starting process. Leave the switch on as long as hot water is desired.

110v Power On Indicator Light (red):

This light is to indicate when power converter is plugged into 110v AC Power outlet.

12v. Kill Breaker Switch and 12v. Indicator Light (Green):

This breaker switch controls all the 12 volt system. It should only be turned off when coach is going into storage. It is between the battery and all 12 volt wiring. This switch also controls the 12v indicator light (green). The light should be on whenever the kill switch is on indicating the 12 volt system is turned on.

Water Pump Switch:

This switch will turn on or turn off the water pump system. When the switch is depressed upward the red indicator light below the "pump" indication will come on indicating the water pump has been turned on and will be able to operate. When the switch is depressed downward the indicator light will go off indicating the water pump is turned off and will not operate.

L.P. Test Switch and L.P. Gas 1 & 2 Switch:

These two switches are used with each other. First you must use the L.P. Gas 1 & 2 switch to select which tank, 1 or 2, you wish to take a reading from. Once you have selected 1 or 2 then depress and hold the L.P. test switch in the upward position. This will enable reading the level of L.P. in the tank selected. The lights (same ones used for fresh water and H.T, 1 & 2) will come on up to and including the highest level of L.P. in that tank. If the tank is only ¼ full then only the "E" and ¼ lights will be on. If the tank is full then all the lights (E, ¼, ½, 3/4, F) will be on. After taking the desired reading release the L.P. test switch.

Water Heater Switch and Light (amber):

This switch will turn on the water heater when depressed to the right. When the water heater is igniting the amber light above the switch will flash on and off. After the water heater is on and working the light will go off until the water cools and calls for more heat. Then the light will again flash on and off during ignition and go off after full ignition. If the amber light remains on, the water heater is in lock-out mode. This means that ignition did not take place, and the light will remain on until the switch is turned off. Wait thirty (30) seconds and repeat starting process. Leave the switch on as long as hot water is desired.

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Display Switch:

The function of this switch is to turn on or turn off the digital display. To turn on depress switch upward. To turn off depress switch down.

Hours Set Switch:

This switch is used for fast setting. It will allow the hours to be set quickly. To set depress switch upward and hold until desired hour is reached then release switch.

Minutes Set Switch:

This switch is used for setting the minutes. It will change the minutes and tens of minutes. To set depress switch upward and hold until desired time appears on display then release switch.

Alarm On Switch:

This switch is used to enable or disable alarm buzzer. If switch is depressed upward, alarm on indicator light in lower right corner of display will be turned on and the alarm buzzer will sound at the alarm set time. If depressed down the alarm on indicator light will go out and the alarm buzzer will be turned off if it is buzzing or be unable to come on at the alarm set time.

Alarm Set Switch:

This switch is used to display the time that the alarm is set at. To change the alarm time depress this switch upward and hold at the same time depress and hold either the hour set or minutes set switch until desired time is reached. Then release hour or minute switch, then release alarm set switch. To check alarm time depress alarm set switch once again and read time on display then release.

AM - PM Indicator Light:

This indication is located in the upper left corner of the display. It can be used as either AM or PM whichever is desired, as it is on for 12 hours and off for the next 12 hours.

NOTE: The display of this digital clock may at some time be flashing on and off. This is an indication that the power has been interrupted and that the correct time must be reset.

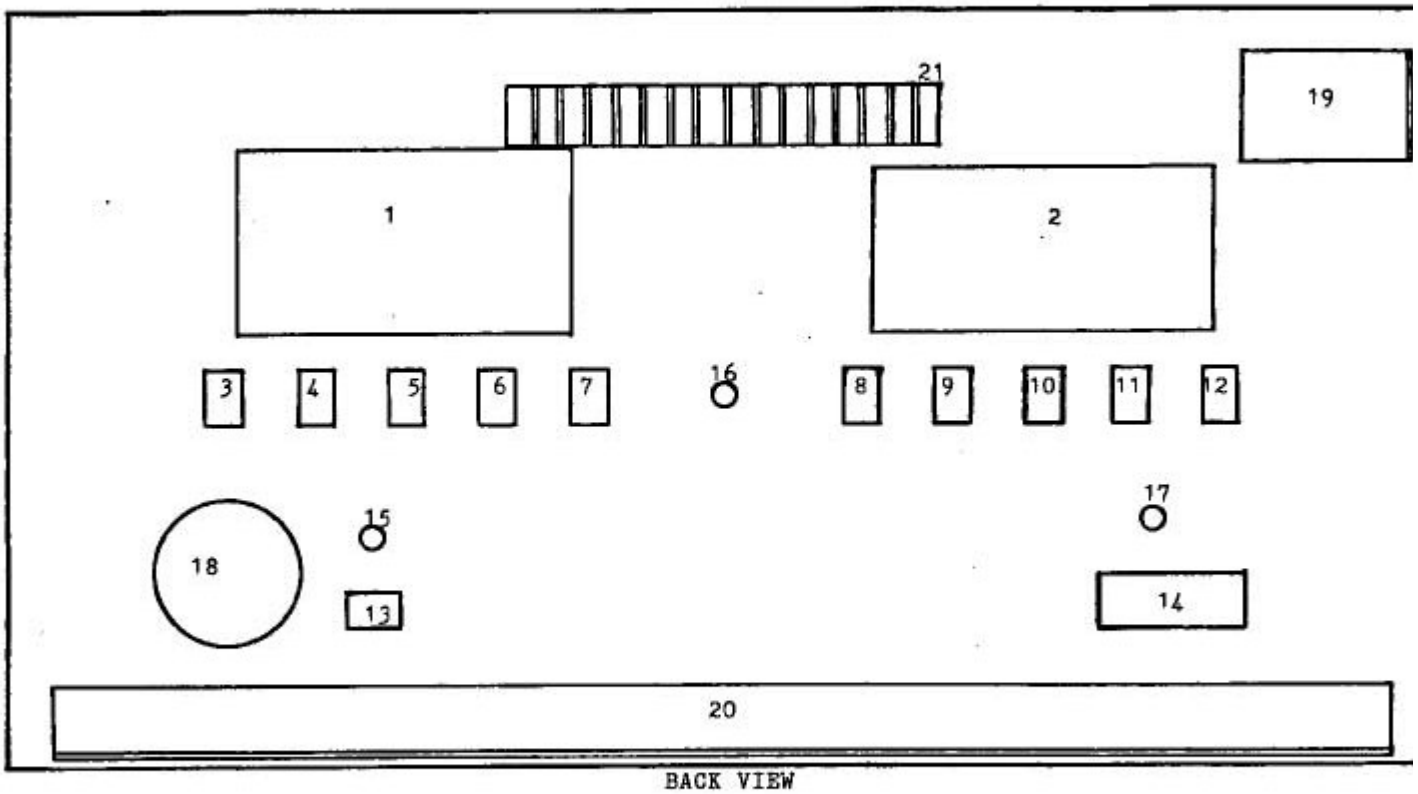
REPLACEMENT PARTS LIST

Contol Panel #1160

1. Tank Circuit Board #5044
2. Digital Clock Assembly
   P/N 2005
3. L. P. Gas 1 and 2 Switch
   (SPST Detent 3 Term)
   P/N 105
4. L.P. Test Switch
   (SPST Momentary
   P/N 101
5. Water Pump Switch
   (SPST Detent)
   P/N 100
6. Battery/Fresh Water Switch
   (SPDT Momentary)
   P/N 102
7. Holding Tank 1 and 2 Switch
   (SPDT Momentary)
   P/N 102
8. Alarm Set Switch
   (SPST Momentary)
   P/N 101
9. Alarm On-Off Switch
   (SPST Detent)
   P/N 100
10. Minute Set Switch
    (SPST Momentary)
    P/N 101
11. Hours Set Switch
    (SPST Momentary)
    P/N 101
12. Display On-Off Switch
    (SPST Detent)
    P/N 100
13. Water Heater Switch
    (SPST Detent)
    P/N 100
14. 12v.Kill Breaker Switch
    P/N 130
15. Wtr.Htr.On Lamp (Amber)
    P/N 440
16. 110 Volt Power On Lamp (Red)
    P/N 436
17. 12v. Power On Lamp (Green)
    P/N 441
18. Amperes Meter
    P/N 151
19. Latch Bracket
    p/N 1158
20. Hinge Bracket
    P/N 1159
21. Terminal Block
    P/N 570
22. Front Knob (not shown)
    P/N 571

REPLACEMENT PARTS

CONTROL PANEL #1160



BACK VIEW