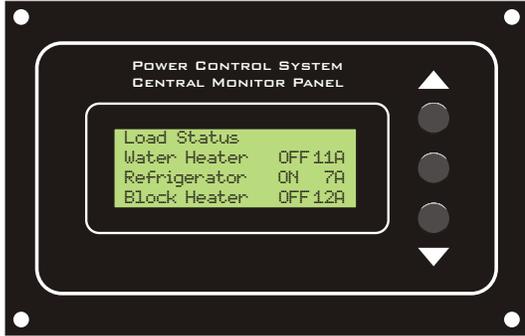


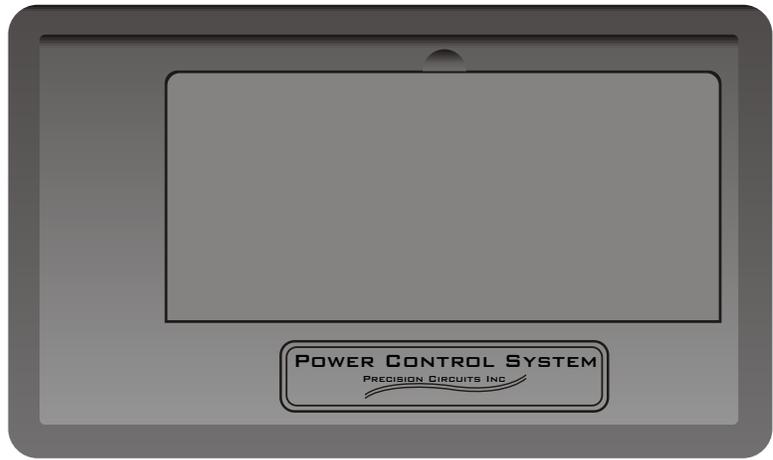
**System:**

The POWER CONTROL SYSTEM (PCS) consists of two major components:

1. PCS CENTRAL MONITOR PANEL &
  2. PCS PANELBOARD
- which houses the PCS CONTROL MODULE.



**CENTRAL MONITOR PANEL**

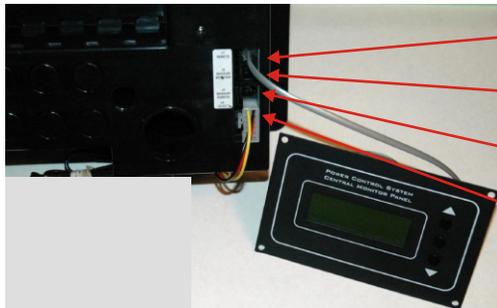


**PANELBOARD**

**PCS Control Replacement**

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Precision Circuits Inc.

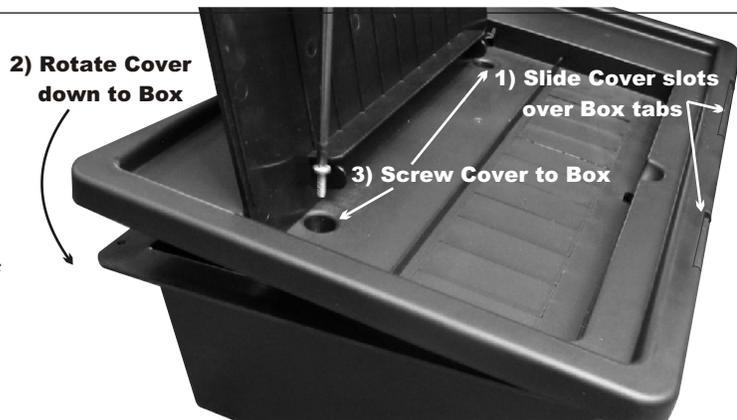
1. Turn off all 120V power
  - a. Unplug Shore Cord.
  - b. Turn off Generator and disconnect the Battery
  - c. Turn off the Inverter
2. In the back of the Panelboard, tag the three telephone/data cables and unplug. Unplug the PCS 12vdc Connector, (12 pin white Molex connector)



- PCS Monitor Panel Data Port
- Magnum Inverter Data Port
- Magnum Remote Data Port
- PCS 12vdc Connector

**Remove Cover**

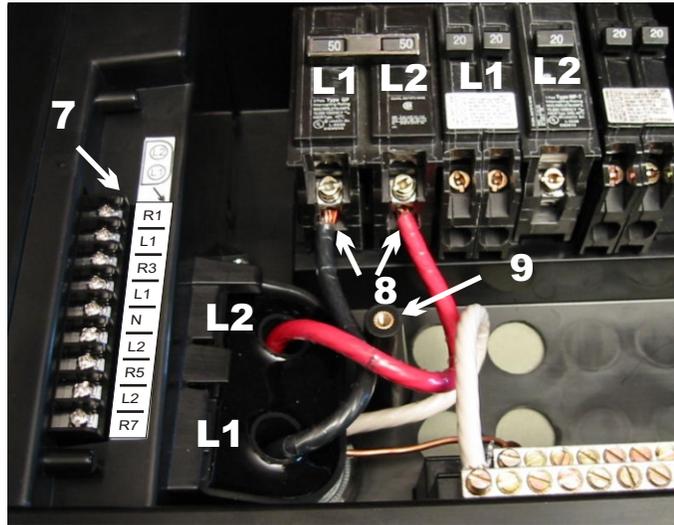
4. Open Door
5. Remove two 8-32 X7/16 screws
6. Lift cover from the bottom and rotate Cover off slots over Box tabs.



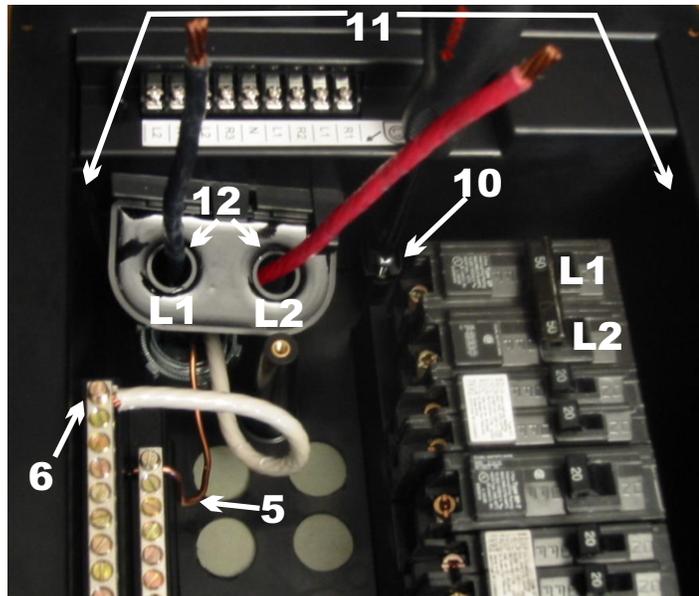
7. Tag all the wires going to the 9 screw terminal block and remove the wires.
8. Note the color of the Main wires going through the Current Sensor to the Main circuit breaker. They must be re-installed through the same hole of the sensor and to the same Main breakers maintaining the L1 & L2 relationship.

Note: it is critical to maintain L1 & L2 relationship throughout the entire installation. For example, the Black wire must go through the L1 Current Sensor hole, connect to the L1 Main circuit breaker, and the PCS Control L1 screw terminals must be connected to the L1 Branch breakers.

9. Note: Both Black and Red wires should be below the level of plastic post for easier cover attachment.



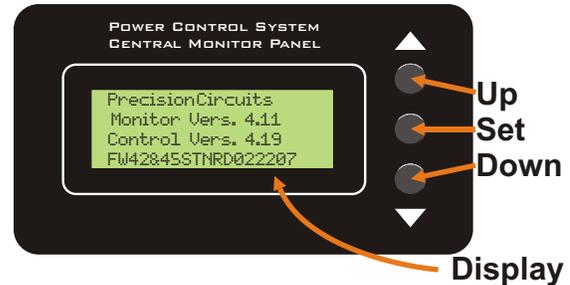
10. Remove the screw holding the plastic Barrier wall and Control assembly.
11. Slide the Sensor Cup/Barrier Wall assembly out of the housing guides.
12. Slide the Black-Line1 and Red-Line2 wires through Current Sensor Cup holes.



Reverse about procedure to install the New Control, but read the next page before connecting 12Volt power to the PCS Control. The PCS Control is Blank and will get programmed by the PCS Monitor Panel during initial power-up.

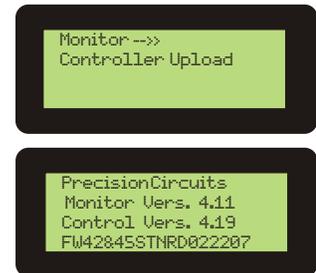
## Central Monitor Panel Overview:

The **PCS MONITOR** displays pertinent **POWER CONTROL SYSTEM** status information. The UP and DOWN buttons are used to step through each individual Screen of information. Pressing & releasing either the UP or Down button will step to either the Previous or Next Display Screen. Once all the Screens have been seen, the next press of the Button will wrap back around through all the Display Screens once again. If there have not been any key presses for awhile, the **PCS MONITOR** turns off the backlighting to save on power. The first press of any key will only turn on the back lighting.



## Setting up an RV with RV Data:

1. Apply 12V power to the Control Module
2. Attach the Data Cable between the Control Module & Monitor Panel.
3. Choose the appropriate Monitor Panel that contains the RV Data required for the RV being manufactured.  
Warning: Choose Wisely, this step can not be easily undone.
4. Watch the Monitor Panel for the screen on the right to appear within the first 10 seconds of connecting the Monitor and Control Data Cable.
5. Verify the RV Data as described in the previous section above and verify the RV Data Reference ID and Control Vers.  
The Control Module now contains the RV Data.



## Verify Communications and RV Data:

Use the Up and Down buttons to reach the screen shown above.

1. **Monitor Vers. 4.11** displays the version of the Monitor Software and confirms the Monitor is operational.
2. **Control Vers. 4.19** displays the version the Control Software version.  
and more importantly **confirms that the Monitor and Control are communicating.**
3. The bottom line displays 18 characters which represent the RV Data Reference ID and should match the RV model and wiring of the RV.