



# GLX-PCB-HPC-4

## Main Printed Circuit Board (PCB) for ECOMMANT 4

### Compatibility

The GLX-PCB-HPC-4 is a replacement main board for the ECOMMANT 4 (HPC-4) pool control. This circuit board is compatible with all ECOMMANT 4 models including HPC-4, HPC-4-ACT, HPC-4-RC, and HPC-4-ACT-RC.

### Circuit Board Replacement

- 1. Record the System Settings:** The Configuration, Timers, and Settings menus contain all of the information regarding how the ECOMMANT 4 is programmed to operate a specific pool system. This information is stored on the main PCB and it is very important that all of this information gets transferred from the old PCB to the new PCB. Record all programming information (Configuration menu, Timers menu, and Settings menu) before attempting to replace the board.
- 2. Remove the old board:** Make sure that ALL circuit breakers are OFF prior to PCB removal.
  - a. Remove metal panel to expose the local display and circuit board.
  - b. Remove the local display by pulling up and unplugging cable.
  - c. Unplug the sensor and display communication terminal blocks from the old PCB - you don't need to disconnect/reconnect individual wires.
  - d. Remove transformer wires and any other wires that are connected to the old board, making note of their locations.
  - e. Remove the board by loosening the 2 mounting screws and sliding the board forward and up. When the board comes loose from the enclosure, pull it up and out.
- 3. Install the new GLX-PCB-HPC-4 circuit board:**
  - a. Install the new board using the two mounting screws.
  - b. The locations of the transformer lugs may be different from the old board.
  - c. Connect the remaining wires including the sensor and display communication terminal blocks onto the new circuit board. If there are any questions about wiring locations, refer to your Installation manual.
  - d. Plug in and install the local display.
  - e. Replace metal panel.

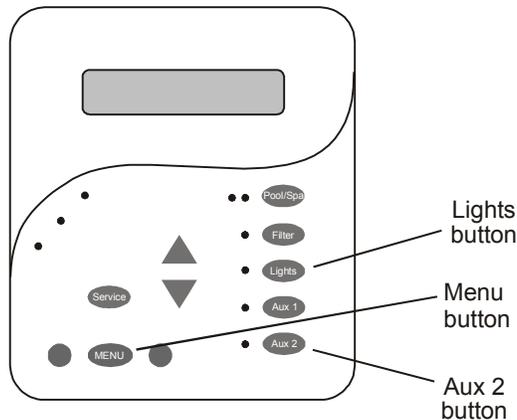
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#### 4. Turn power on and initialize the new PCB:

- a. Turn power back on to the Pro Logic and confirm that the board is working properly.
- b. To initialize the new PCB, hold down the Menu, Lights and Aux2 buttons at the same time until you hear a series of beeps. The GLX-PCB-HPC-4 is now initialized and ready to configure.



#### 5. Turn power on and reset Configuration to Default:

- a. Reset all of the Configuration parameters to their Default values using the following instructions:

|                                  |                 |  |
|----------------------------------|-----------------|--|
| Configuration Menu-Locked        | <b>MENU</b>     | Press repeatedly until "Configuration Menu" is displayed     |
| Configuration Menu-Unlocked      | <b>&lt;&gt;</b> | Press BOTH buttons SIMULTANEOUSLY for 5 seconds to unlock    |
| Reset Config. to Default Press + | <b>&lt;</b>     | Press left arrow button                                      |
| Are you sure? + to proceed       | <b>+</b>        | Initiate reset of all configuration parameters               |
| Config. reset Confirmed          | <b>&lt;&gt;</b> | Move to previous/next configuration menu (config. not reset) |
|                                  | <b>&lt;&gt;</b> | Move to previous/next menu (config. not reset)               |
|                                  | <b>&lt;&gt;</b> | Move to previous/next configuration menu                     |

- b. Enter the prior programming information using the Configuration, Timers and Settings menus.

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