



HAYWARD®

S3 OMNI Replacement PCB

GLXS3OMNIPCB

Background

The GLXS3OMNIPCB is a replacement main printed circuit board (PCB) for the AQRS3400MNI and AQRS3250MNI chlorinator/automation controls. The GLXS3OMNIPCB replaces the original PCB in these products. Note that all settings will be lost after this replacement and the AQR S3 Omni® will require reconfiguration and setup. If possible, record the existing settings before replacement. Refer to the AQR S3 Omni Installation and Operation manuals for configurations and settings information.

To replace the board, follow the replacement procedure below. Please verify that the replacement PCB matches the original board before you begin.

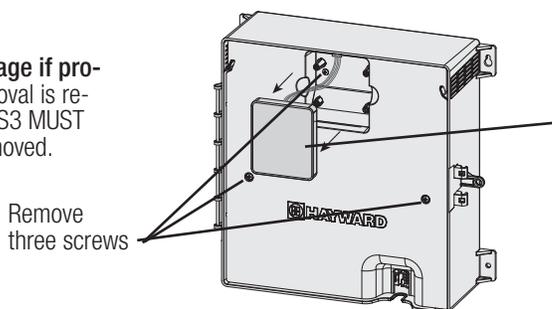
Contents of Kit

- 1 GLXS3PCB main circuit board
- 3 Replacement terminal blocks (if needed)
- 1 Input power connector cable (if needed)
- 6 Phillips head screws (if needed)
- 2 Replacement fuses (if needed)

WARNING: Disconnect all AC power at the main breaker before attempting to replace the PCB. Use a voltmeter to verify that the main supply input has been entirely removed from the control. Use appropriate energy lock-out procedures to be certain nobody restores power during the following procedure.

1. Front Panel Removal

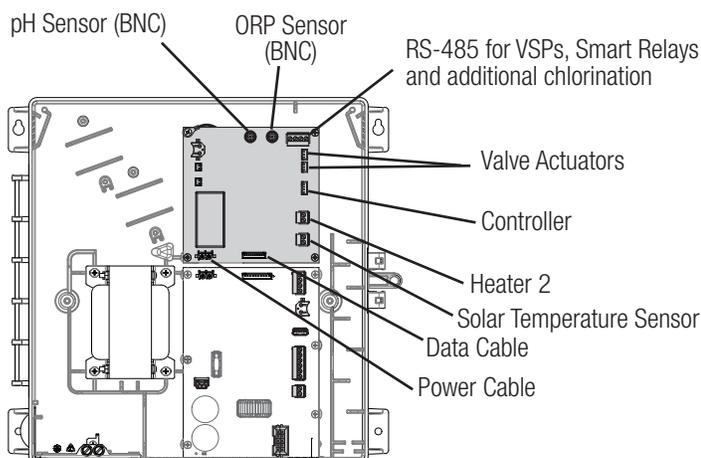
DANGER of Death, Injury or Property Damage if procedure not followed. Dead front panel removal is required for this installation. Power to the AQR S3 MUST be shut off before the dead front panel is removed.



Pull the display away from the panel by grasping it with your hand (no tools required). Then, remove the 3 screws and pull the plastic deadfront panel away from the enclosure.

2. Remove Wiring Connections

Remove all of the wiring connections to the existing PCB as shown in the diagram.

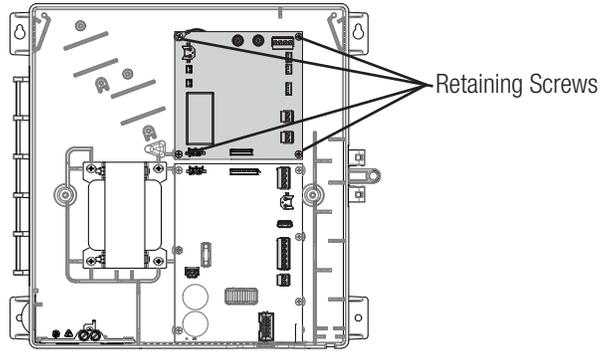


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3. Replace Board

Unscrew the 4 retaining screws and remove the existing board. Install the new board in its place using the same screws or the screws provide in this kit.



4. Reconnect All Wiring

Reconnect all of the existing wiring to the new PCB as it was in Step 2. Install the front panel and secure with three screws.

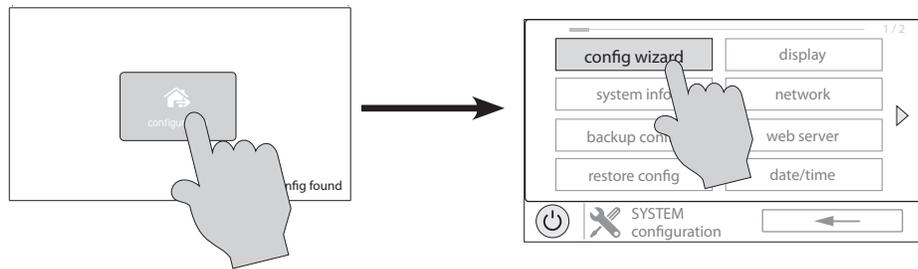
5. Startup

You can now reinstall the deadfront and front display. Before starting the AQR S3 Omni for the first time, be sure that the following items have been completed:

- Pool/spa chemicals are within the APSP recommended levels.
- If using chlorinator function, pool/spa salt level is between 2700 – 3400 PPM for Standard Salt mode or 1200-1800 PPM for Low Salt mode.
- All wiring is performed according to NEC and local codes.
- The AQR S3 Omni is properly grounded.
- The deadfront panel has been reinstalled.

Configuration Wizard

The AQR S3 Omni can now be powered on for the first time. Apply power at the main panel and wait for the AQR S3 Omni to completely start. This may take a full minute or two. Because this is the first time that the AQR S3 Omni has been powered on with the new PCB, it will bring you directly to the initial configuration screen as it did when it was new. At the initial configuration screen, touch the Configuration button in the center of the screen. On the following screen, touch the Configuration Wizard button as shown below.



Continue to navigate through the Configuration Wizard and reconfigure all connected pool equipment. Refer to your AQR S3 Omni Installation and Operation manuals for detailed information on configuration and setup.



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