

ENVIRONICS TECHNICAL BULLETIN #125

Series 6103 Hardware update from all versions prior to 1.35-xx

When installing the 6103 software version 1.35-02, this hardware modification is required to fully automate the photometer pump control. Follow the steps below to install the supplied parts necessary for the upgrade.

NOTE: Refer to supplied Technical Bulletin #121 if you are updating from versions prior to 1.33-xx before starting.

- 1) With the power turned off, remove the top cover and unhinge the right side panel that has the PC boards mounted to it. There are (2) Philips screws in the center front and rear edge that hold the side panel in place. Carefully lower the side panel and ensure all wiring and cables are not being restricted as the panel is opened. There will be (2) small black plugs that will come out of the front edge when opening. Replace these plugs after side panel has been re-connected.
- 2) Remove the wiring harness connected to J10 on PC412 (on right side panel) and disconnect the 2 pin brown connector attached to the small blue pump in the front right corner of the chassis.
- 3) Remove the (3) red lug terminals on the pump switch located on the front panel.
- 4) If you choose to remove the pump switch completely from the panel, you will have to remove the front panel in order to cut the (4) plastic locking tabs that hold the switch in place.
- 5) To remove the front panel, take out the (2) Philips screws from the bottom front edge of the chassis. Also remove the Philips screw on the front left edge. The (2) small black plugs can be pushed or pryed out to free the front panel from the chassis.
- 6) Install pump switch plate supplied (#LA05-015) and re-install front panel.
- 7) Install new wiring harness supplied (#E624). The small 2 pin white connector with a single red wire attached will connect at J10 on PC412. The 2 pin brown connector will connect to the harness on the pump. The single black 22 AWG wire will attach to pin 7 on the 12 position blue terminal strip on PC401. This board is attached directly to the PC412 on the right side panel. Pin 1 of the blue terminal strip is located at the top of the board (or top of the chassis).
- 8) Carefully remove EPROM chip with white label reading 6103-1xxxx and install new EPROM chip supplied. (#UK18-009)
- 9) Re-install side panel being careful not to pinch any wiring or cables. Replace cover.