



[www.rbdinstruments.com](http://www.rbdinstruments.com)

### **DIG III Set-point by-pass jumper**

If your PHI DIG III ion gauge control becomes inoperative, you can by-pass the set points and still operate the system while it is being repaired. To make a jumper plug, you need a 15 pin male D type connector and hood. Solder wires between the following pins:

|                 |             |
|-----------------|-------------|
| Pin 1 to Pin 9  | Set point 1 |
| Pin 3 to Pin 11 | Set point 2 |
| Pin 5 to Pin 13 | Set point 3 |
| Pin 7 to Pin 15 | Set point 4 |

Install the hood over the connector plug it into the cable that goes to the set-point board on the DIG III. On most PHI systems there is 115AC on some of the set point contacts, so if you don't have a 15 pin male D type connector and decide to simply jumper the pins, use extreme caution and electrically insulated pliers. Always refer this type of service to qualified personnel.

You can send your DIGIII to RBD for repair, or purchase an RBD Model DGC IV replacement controller.