

APPLICATION

- ◆ Applies to all Omnitrol's/LiquiCal's shipped prior to 9-1-98 and used on "large" cooling towers.

September 11, 1998

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Applies to the bleed and feed lockout feature on all Omnitrol's and LiquiCal's.

INFORMATION

The bleed control "lockout" feature found in Operating Modes 1, 2, 5 and 6 have been found in some applications (larger towers) not to be long enough for proper control. The lockout feature currently locks out "feed" and "bleed" after the bleed has been energized continuously for one hour. No further bleeding or feeding is done until the unit is reset (depowered and repowered).

SOLUTION/REMEDY

Change Eprom on printed circuit board from current version V1.00 to V1.01. See diagram below. This new software chip will completely eliminate the lockout for "bleed" and lengthen the "feed" time to 4 hours. Instructions for replacement:

- Turn off power to unit. Note and write down existing bleed and feed knob settings.
- Turn bleed and feed adjustment knobs fully clockwise and mark pointer location on front label. A lead pencil works well. Remove knobs carefully.
- Remove (4) mounting screws and pullout front panel/PCB assembly from enclosure.
- Remove (4) screws that hold printed circuit board to panel. Turn PCB over. You will now have access to change the Eprom located on the other side of the printed circuit board.
- Remove V1.00 software (use suitable Eprom removal tool or pry out with screwdriver) Replace with new chip in the upgrade kit. New chip should read V1.01.



*Be sure that the half-round impression on the chip is facing towards "U2" labeled on pcb. Discard old Eprom.*

- Remount printed circuit board to panel with; front panel to enclosure; and reinstall bleed and feed control knobs.



*Make sure that potentiometers are turned fully clockwise before reinstalling knobs. Align knobs to previous mark (above) on front panel label. Restore bleed and feed knob orientation to original or desired setting. Restore power to unit. Re-calibration will not be necessary as long as all steps above were followed.*

HOW TO ORDER

Field Upgrade Kit ..... 097953

Units can also be returned for repair at no charge via Repair Dept. Call your Customer Service Department or Technical Service for details.

Hydac Tech Service: 800 899 7302

Cambridge Tech Service: 800 468 4893

