

# Water Dispenser

## ***Calibration***

Use the following procedure to calibrate water dispenser:

1. Switch PLC toggle switch to the 'TERM' position.
2. Remove cable from display and slide display out of housing.
3. Plug cable back into display.
4. Press 'CHG PRE' key on display keypad to change settings.
5. Press '+' key, repeatedly, to scroll display to '1GalTime'. Time is preset to 0160.
6. Press 'ENT' key to change 1 gallon time.
7. Use '←' and '→' keys to position blinking cursor over digit to change. Use '+' and '-' keys to increment or decrement digit.
8. Press 'ENT' key to set entered time.
9. Press '+' key to scroll display to '5GalTime'.
10. Press 'ENT' key to change 5 gallon time. Use steps 7 and 8 to set time.
11. Press 'MSG' key to return to main display.

## ***Does Not Accept Money***

- Check digital readout on UV light controller. Should read 99.
- Check 1A fuse in control cabinet.
- Check fuse in UV light controller.
- Check for power (110VAC) on L1UV and L2UV on terminal strip in control panel. If no power, replace UV light controller.
- Check for power (24VAC) on C3 on PLC terminal block and green wire on left side of 1A fuse. If no power, replace 24V transformer.

## ***Always Gives Credit***

1. Check the amount of credit available. Use the following procedure:
  - a. Switch PLC toggle switch to the 'TERM' position.
  - b. Remove cable from display and slide display out of housing.
  - c. Plug cable back into display.
  - d. Press 'STAT' key on display keypad. 'X 00' should be displayed.
  - e. Press '-' key twice. 'V 0' should be displayed.
  - f. Press '→' key once, '←' key three times, then '+' key once. 'V 1000' should be displayed. If 'V 1000' setting (the number to the right of 'V 1000') is not a large number (greater than 10 or so), this is not the problem. Otherwise, note 'V 1000' setting and continue.
2. Clear large credit. Use the following procedure
  - a. Press 'CHG PRE' key on display keypad to change settings.
  - b. Press '+' key, repeatedly, to scroll display to '1G Price'. Price is preset to 0001.

- c. Press 'ENT' key to change 1 gallon price. Set price to value noted in previous step. Use '←' and '→' keys to position blinking cursor over digit to change. Use '+' and '-' keys to increment or decrement digit.
- d. Press 'ENT' key to set entered price.
- e. Dispense 1 gallon of water. Credit should go back to zero (Y16 light should be lit on PLC). If not, redo previous step and this step.
- f. Press 'ENT' key to change 1 gallon price back. Set price to 0001 (or to however many quarters 1 gallon should be). Use '←' and '→' keys to position blinking cursor over digit to change. Use '+' and '-' keys to increment or decrement digit.
- g. Press 'ENT' key to set entered price.

***Accepts Money but Does Not Dispense Water***

- Check water dispenser wiring (refer to Figure 9).

PRELIMINARY