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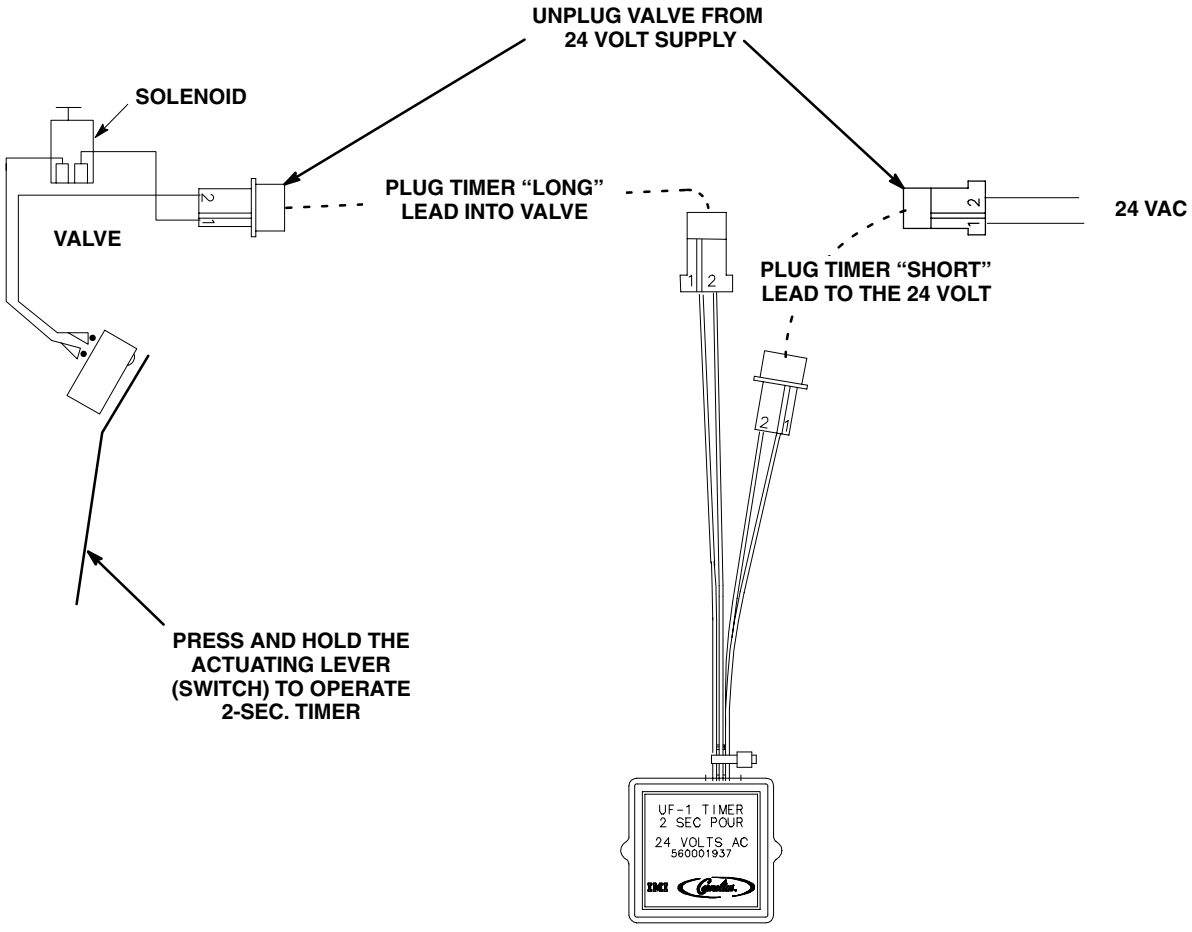
Timer Operation Instructions

PURPOSE OF THE 2-SECOND TIMER, P/N 560001937

This timer is used to operate the valve for exactly 2-seconds so flow rates can be accurately set. Thistimer has been designed to operate with the Cornelius SF-1 and UF-1 valves, although it will workwith other manufacturers valves with the same electrical connectors and operating at 24 VAC.

CAUTION: This procedure is used to set the carbonated water flow rate only. Either a bypass tube is used or the syrup is disconnected so only the water will pour. Once the desired water flow is set then the syrup can be reconnected and the water to syrup ratio adjusted. Once the water flow rate is set, it should not be adjusted unless the water flow rate is to be changed – do not adjust the water flow rate to set the water to syrup ratio.



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CONNECTION AND OPERATION

1. Unplug the valve from the dispenser wire harness.
2. Connect the plug from the timer long leads (see drawing) to the valve.
3. Connect the plug from the timer short leads (see drawing) to the dispenser 24 Volt wire harness.

   The dispenser 24 Volt electrical supply must be turned ON so the timer can operate.
4. Hold a ratio cup or graduated beaker under the valve nozzle and actuate the valve in the normal manner with the actuating lever or whatever method is used to acuate the valve. The valve must remain activated until the valve is shut off by the timer (2-second).

   For a pour time of 4-seconds, actuate the valve a second time.
5. Compare the volume in the cup to the volume for the desired flow rate. Adjust the water flow regulator to correct any errors. Retest and adjust until the correct volume is obtained.

Common Pour Volumes

The following table shows common flow rates and the volume that should be poured during the 2-second pour time. If you use a 4-second pour time, double the volume quantity.

All quantities shown are based on a 5:1 Ratio

Finished Drink Flow Rate Oz/Sec	Water Flow Rate Oz/Sec	2-Second Water Volume Oz
1.5	1.25	2.5
2.0	1.67	3.3
2.5	2.08	4.2
3.0	2.50	5.0
3.5	2.92	5.8
4.0	3.33	6.7
4.5	3.75	7.5