

1

## TIME OF DAY SETTING



Press and hold the SET button for 3 seconds. The arrow will point to **Time**.



Press the UP or DOWN arrows to adjust the hour. The arrow will point to **PM** for PM hours only.



Press the SET button.



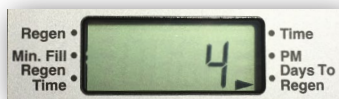
Press the UP or DOWN arrows to adjust the minutes.



Press the SET button.

3

## REGENERATION FREQUENCY SETTING



Press the UP or DOWN arrows to adjust the days of regeneration frequency. The factory setting is every 7 days.



Press the SET button. Screen will now show the time.

2

## TIME OF REGENERATION SETTING



Press and hold the SET and UP buttons for 3 seconds. The arrow will point to Time.



Press the UP or DOWN arrows to adjust the hour. The factory setting is 1 AM.



Press the SET button.



Press the UP or DOWN arrows to adjust the minutes.



Press the SET button. The arrow will jump to **Days to Regen**.

4

## SYSTEM SET UP IS COMPLETE!

When system is operating one of two displays will be shown: **Time** or **Days to Regen**. Pressing the UP or DOWN buttons will toggle between the two choices.

See the back of this document for more set up options and error codes.

# WTC TIME CLOCK CONTROL VALVE | MORE OPTIONS

## SYSTEM START UP

Connect the WTC control valve transformer into the electrical outlet.

Press and hold the UP and DOWN arrows simultaneously for 3 seconds until the drive motor starts. The display will read "C1" backwash position when the drive motor stops.

Open the inlet ball valve 25% of its full open position. The water is going to enter the tank from the bottom of the distributor pipe and leave the tank from the top. This will slowly purge all the air from the tank. **If the water enters the tank too fast, all the filter media will be flushed to drain during start up.**

When only water is running to the drain, open the inlet and outlet ball valves fully.

Press the UP button to advance the control valve to the fast rinse position. The display will read "C4".

Once the drive motor stops, press the UP button to advance the control valve to the service position. The display will read "C0".

**Note:** The timer will automatically advance to the service position and the display will read Time of Day.

## FINAL CHECK

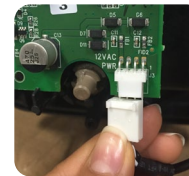
Make sure the drain line connection meets all plumbing codes and that the drain line size can handle the backwash flow rate of the filter

Make sure the inlet and outlet on the bypass valve are open.

Make sure the control valve timer is plugged into an electrical outlet with power 24 hours per day.

Check all piping for leaks.

## RESET CONTROL VALVE



Take the cover off, power up the valve and unplug it from the board, not the wall.

Plug it back in after 10 seconds.

## MANUAL REGENERATION



**For regeneration tonight:** press the UP and DOWN buttons simultaneously. Arrow will point to **Regen**.



**For immediate regeneration:** press and hold the UP and DOWN buttons simultaneously for 4 seconds. Valve motor will start.

## ERROR CODES

Display	Description	Cause
E1 (1001)	Unable to recognize start of regeneration	Defective motor, damaged wiring, or poor wire connection
E2 (1002)	Unexpected electrical or mechanical stall	Defective motor, damaged wiring, poor wire connection, or mechanical component failure
E3 (1003)	Motor running too long or timeout during piston relocating	Damaged wiring, poor wire connection, or mechanical component failure
E4 (1004)	Motor timeout when piston is relocating to service position	Damaged wiring, poor wire connection, or mechanical component failure