

# ShowerBoss®

## INSTALLATION INSTRUCTIONS

### Standard Battery unit with Nylon valve

These instructions are for installing the shower timer with the solenoid valve cut into the water supply pipe, preferably in the riser pipe, after the mixing body.

The solenoid valve will cut off the water at the completion of the shower cycle. Many users will therefore not turn the taps off. This will result in the riser pipe between the taps and shower outlet being under pressure for the first time and for long periods. The integrity of that plumbing should be checked upon installation, and it is unlikely to be a problem. However, we accept no responsibility for leaking joints hidden in the wall.

To install the timer, you will need 6 AA Alkaline batteries, and a roll of Teflon thread sealing tape (available at any hardware or plumbing store) and maybe a drill and bits.

**Fit only good quality, heavy duty Alkaline batteries.**

- Run the red and white lead wires from the PCB to the solenoid valve as per Figs 1 and 2.

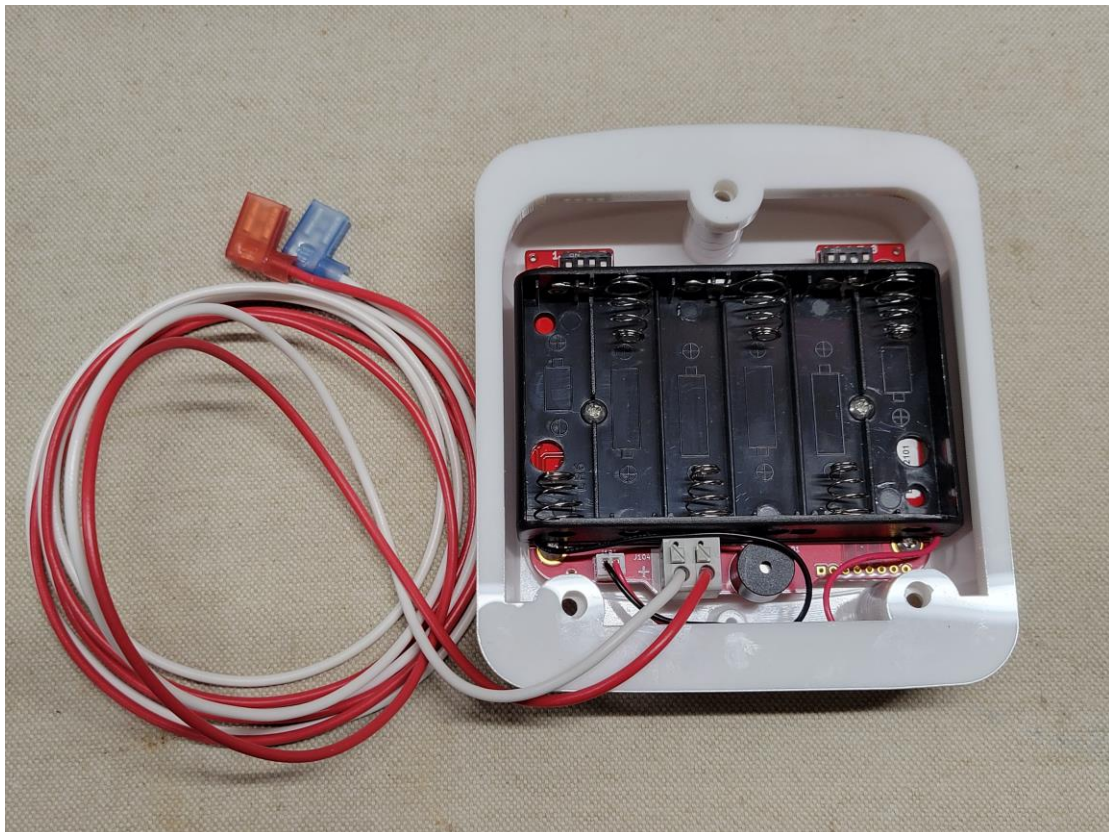


Figure 1

## Plumbing

- WITH REMOTE SOLENOID VALVE IT IS NOT NECESSARY TO INTERFERE WITH EXISTING SHOWERHEAD.

### To install solenoid valve

- Note the flow directional arrow on the body of the valve.
- The Solenoid valve must be fitted on the riser pipe (after mixing body).
- Inspect around the valve for any sign of a leak.
  - First fit the 6 AA cells into the battery holder ensuring that the **flat (-) end of each cell is against the spring.**
- Plug the two wire leads firmly onto the solenoid valve. **Match the white wire to the lug with the white dot** and direct the wires toward the wall.

NOTE: Our standard solenoid valve is ½" NPT male in / female out.



Figure 2

## To fit the box

- The box should be fitted at approximately eye level for optimum visual and audible performance, or lower for Handicap accessibility.
- It should not be subject to excessive water splashing on to it.
- Draw a level horizontal line where the box is to be located and mark (2) screw holes 2-1/2 inches on centre for the lower holes. Drill the wall to take the #6 gauge screws and the plastic plugs provided.
- Mark the position of the top mounting hole and drill the wall at that point.
- Within the triangle formed by the three mounting screw holes, drill a hole through the wall at least 5/8 inch diameter.
- Run the red and white wire leads to the solenoid valve.
- Screw the box to the wall, firmly but not too tight press in the plastic “blanking” caps.
- Do not seal the hole in the wall or the slots in the bottom of the box, they are needed for breathing of moisture.



## Programming the Timer

After installation it is necessary to remove the shower in order to re-program the timer so please consider the options carefully and program before installing.

Refer to the table of settings below and apply the desired settings to the “**dipswitches**” on **both sides of the circuit board**. (See Fig 1) Note the “ON” position marked on the dipswitch and the numbers 1 to 8. To select the shower time and the waiting time between showers, push ON the appropriate switches as indicated in table below. All others must be OFF.

The factory settings are 7 min shower, 5 min waiting, beeper on.

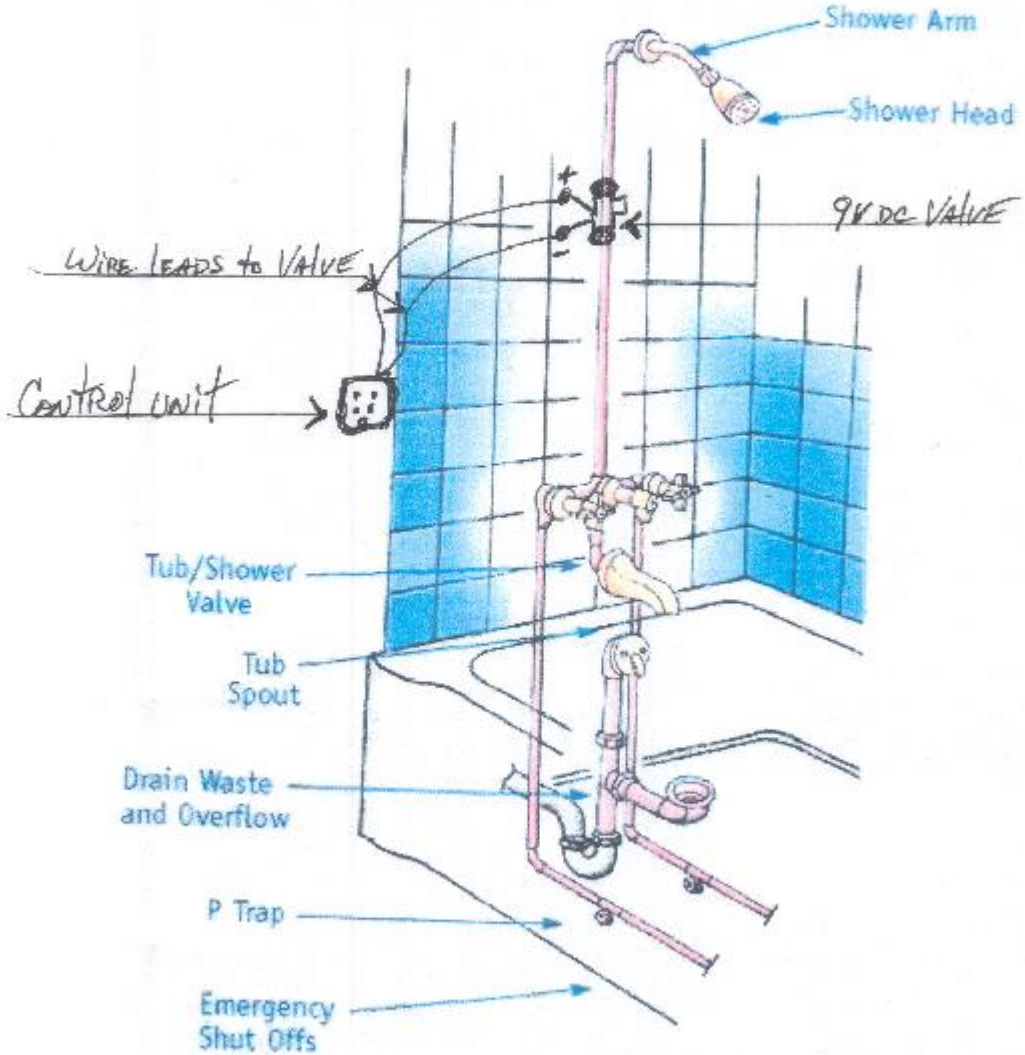
Shower minutes	Switch 1	Switch 2	Switch 3	Switch 4
1	off	off	off	off
2	on	off	off	off
3	off	on	off	off
4	on	on	off	off
5	off	off	on	off
6	on	off	on	off
<b>7</b>	off	on	on	off
8	on	on	on	off
9	off	off	off	on
10	on	off	off	on
11	off	on	off	on
12	on	on	off	on
13	off	off	on	on
14	on	off	on	on
15	off	on	on	on
18	on	on	on	on

Wait minutes	Switch 5	Switch 6	Switch 7	Switch 8 Buzz
0	off	off	off	on
1	on	off	off	on
2	off	on	off	on
<b>5</b>	on	on	off	on
10	off	off	on	on
20	on	off	on	on
30	off	on	on	on
35	on	on	on	on

\*\* Special Feature

Once the shower is started you can press the Start button and activate a 30 second Pause of the water flow. When that time is up, the original time countdown is resumed with the water flow.

# STANDARD BATTERY UNIT



## ShowerBoss® Battery Operating Instructions

- Press the Start button once and turn on the water handles in the usual way.

Water will start to flow from the shower and the green light in the centre will flash every 5 seconds.

\*\* If you press the Start button again, you will pause the water flow for 30 seconds, after which the water flow will resume it's original countdown. \*\*

- When there are 2 minutes remaining, the beeper will sound two beeps.

When there is one minute remaining, the beeper will sound once and the light will change from green to amber, flashing every 5 seconds.

- With 30 sec remaining, the amber light will begin flashing more and more frequently until there are 10 sec remaining, then the beeper will sound and the light will change from amber to red, flashing every second.

- The beeper will sound every one of the last five seconds and then the water will be cut off for the duration of the waiting time.
- While waiting, a red light will flash every 10 seconds . At the completion of waiting time, the beeper sounds once and the shower is ready to go.
- No lights will be flashing in standby mode.

### **Battery warning**

When batteries are approaching their end of life, a red light will flash on the right side.

You should replace the batteries with good quality Alkaline cells as soon as possible.

\*When the batteries are almost expired, the solenoid valve will open and remain open so that the shower will be unrestricted.\*

*\*We highly recommend Heavy Duty Alkaline batteries to be used.*

*\* Lithium batteries and re-chargeable batteries are not suitable for this product.*