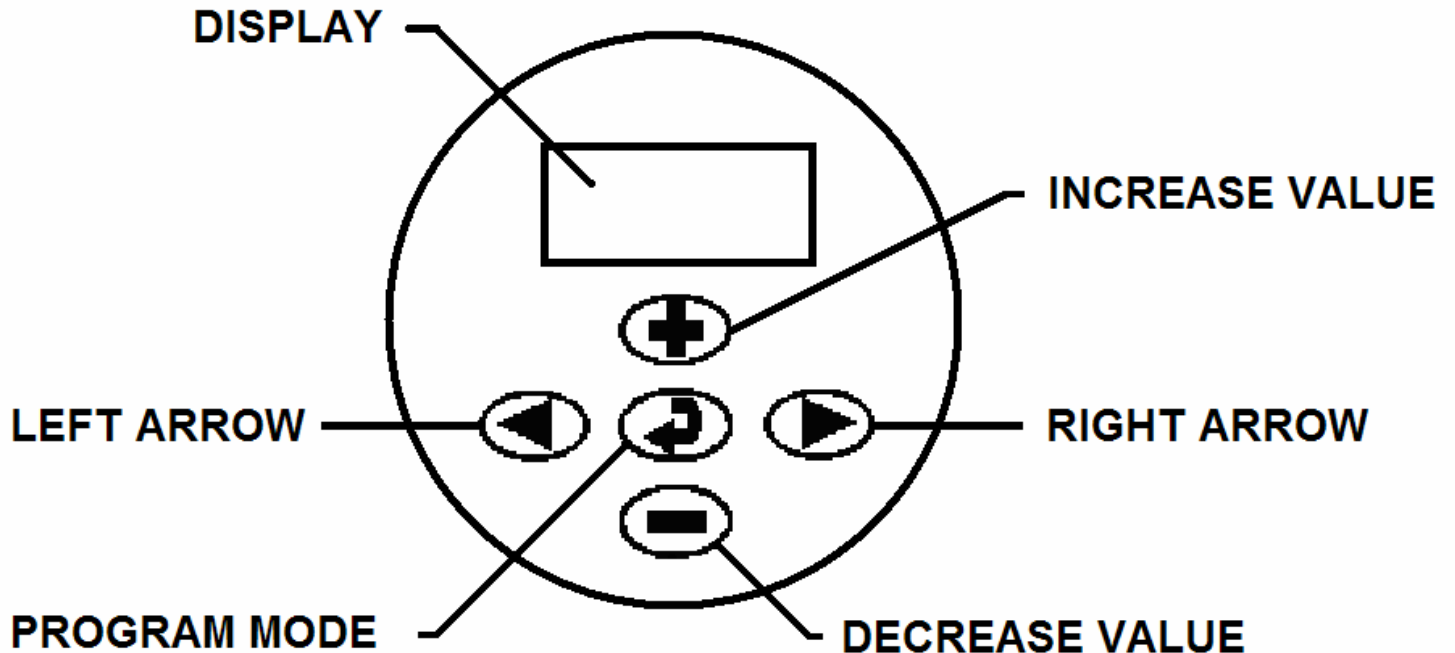








# SVC CONTROLLER PROGRAMMING GUIDE

5/27/09


## SVC CONTROLLER INTRODUCTION



THE PROGRAM MODE  BUTTON ALLOWS YOU TO NAVIGATE BETWEEN PROGRAM MODES. PRESS THE PROGRAM MODE  BUTTON TO FIRST WAKE UP THE UNIT. DURING A SHORT PERIOD OF INACTIVITY, THE DISPLAY WILL SHUT OFF (GO TO SLEEP) TO CONSERVE BATTERY POWER. THE CONTROLLER WILL STILL CARRY OUT THE FLUSHING PROGRAM LAST ENTERED.

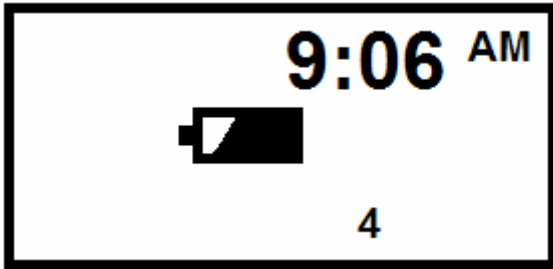
WHEN PROGRAMMING, THE FLASHING PORTION OF THE DISPLAY CAN BE CHANGED BY PRESSING THE INCREASE OR DECREASE VALUE  or  BUTTON. TO CHANGE SOMETHING THAT IS NOT FLASHING , PRESS THE RIGHT OR LEFT ARROW  or  BUTTONS UNTIL THE DESIRED FIELD IS FLASHING.

# SVC CONTROLLER OVERVIEW

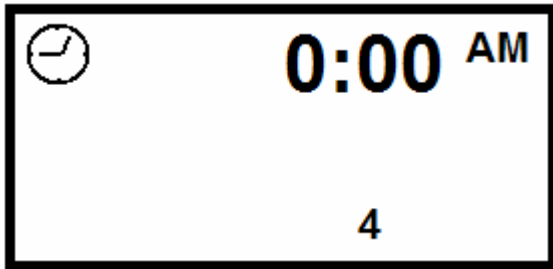
THERE ARE SIX DISPLAY MODE SCREENS YOU CAN TOGGLE THROUGH WHEN YOU WAKE UP THE UNIT BY PRESSING THE PROGRAM MODE  BUTTON.

THESE ARE;

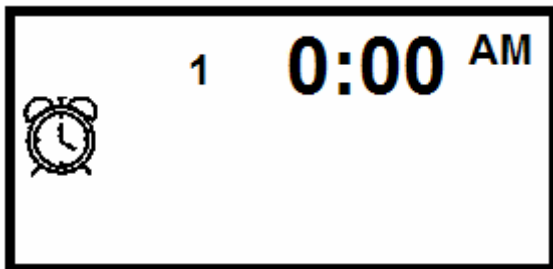
1. BATTERY POWER INDICATOR & LAST PROGRAMMED CURRENT TIME & DAY.



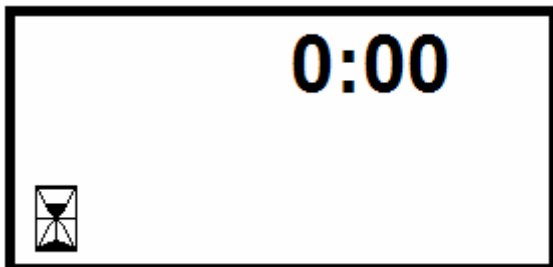
2. CURRENT TIME & DAY PROGRAM MODE



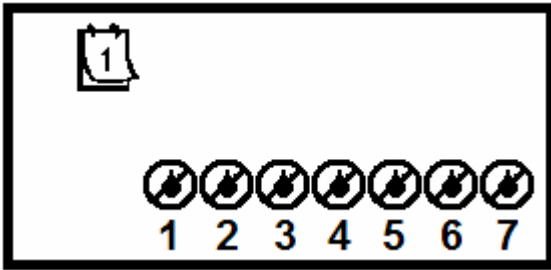
3. FLUSHING START & STOP PROGRAM MODE (UP TO 9 START TIMES AVAILABLE)



4. RUN TIME PROGRAM MODE (LENGTH OF EACH FLUSHING)



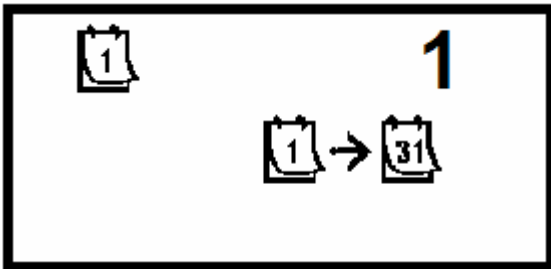
5. "DAY OF THE WEEK" FLUSHING PROGRAM MODE



1 = SUNDAY

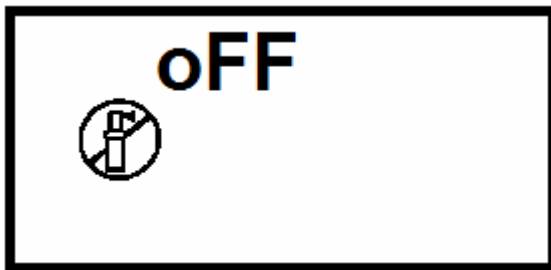
OR

"INTERVAL" FLUSHING PROGRAM MODE
















NOTE: THE SCREEN THAT WILL APPEAR WILL DEPEND ON WHICH FLUSHING MODE THE UNIT WAS LAST EXITED FROM.

6. UNIT OFF DISPLAY MODE SCREEN



# PROGRAMMING THE SVC CONTROLLER






## STEP #1 – SETTING THE CURRENT DAY AND TIME

1. PRESS THE  BUTTON UNTIL THE CURRENT TIME/DAY ICON  IS DISPLAYED.
2. HOURS WILL BE FLASHING. PRESS THE  or  BUTTON TO CHANGE THE HOUR SHOWN ON THE DISPLAY. PRESS THE RIGHT ARROW  BUTTON TO PROCEED TO SETTING THE MINUTES.
3. MINUTES WILL BE FLASHING. USE THE  or  BUTTON TO CHANGE THE MINUTES SHOWN ON THE DISPLAY. PRESS THE RIGHT ARROW  BUTTON TO PROCEED TO SETTING THE AM/PM OR 24 HOUR TIME.
4. THE TIME WILL BE DISPLAYED AND THE TIME OF DAY FLASHING. PRESS THE  or  BUTTON TO SELECT AM, PM OR 24 HOUR. PRESS THE RIGHT ARROW  BUTTON TO PROCEED TO SETTING THE DAY OF THE WEEK.
5. THE NUMBER 1 WILL BE FLASHING, INDICATING THE FIRST DAY OF THE WEEK. PRESS THE  or  BUTTONS THE DAY OF THE WEEK (1-7 CORRESPONDING TO THE DAY).

THE TIME AND DAY HAVE NOW BEEN SET.

## STEP #2 – SETTING & ELIMINATING FLUSHING START TIMES

### A. SETTING FLUSHING START TIMES

1. PUSH THE PROGRAM MODE  BUTTON UNTIL THE START TIMES  ICON IS DISPLAYED.
2. USE THE  or  BUTTON TO CHANGE THE START TIME (THE START TIMES ADVANCE IN 15 MINUTE INCREMENTS). HOLD EITHER BUTTON DOWN FOR 1 SECOND TO CHANGE TIME RAPIDLY.
3. PRESS THE RIGHT ARROW  BUTTON TO SELECT THE NEXT START TIME (UP TO 9 START TIMES ARE AVAILABLE).





### B. ELIMINATING A START TIME

WITH THE DISPLAY IN THE FLUSHING START TIME MODE, PUSH THE

 or  BUTTON UNTIL YOU REACH 12:00AM (MIDNIGHT). FROM HERE PUSH THE  BUTTON ONCE TO REACH THE OFF POSITION.

**NOTE: IF THE SVC HAS ALL 9 START TIMES TURNED OFF, THEN THE CONTROLLER IS OFF.**





## STEP #3 – SETTING THE RUN TIME (LENGTH OF FLUSHING).

1. PRESS THE PROGRAM MODE  BUTTON UNTIL THE RUN TIME  ICON IS DISPLAYED.
2. THE DISPLAY WILL SHOW THE LAST RUN TIME ENTERED.
3. USE THE  or  BUTTONS TO INCREASE OR DECREASE LENGTH OF FLUSHING TIME (FROM 1 MINUTE UP TO 4 HOURS). FOR RAPID ADVANCEMENT, HOLD THE BUTTONS DOWN FOR 2 SECONDS.




**STEP #4 – SELECT AND PROGRAM THE FLUSHING MODE – SELECT BETWEEN THREE DIFFERENT FLUSHING MODES AS FOLLOWS:**



- A. DAYS OF THE WEEK**
- B. INTERVAL**
- C. MANUAL**

**A. “DAYS OF THE WEEK” – EXAMPLE: FLUSH ON MONDAY, WEDNESDAYS AND FRIDAYS.**

1. TO SELECT THE DAYS OF THE WEEK MODE, PUSH THE  BUTTON UNTIL THE FLUSHING DAYS  ICON IS DISPLAYED ALONG WITH THE SEVEN DAYS OF THE WEEK WITH A FLUSHING WATER DROP  OR A NO-FLUSHING WATER DROP  ICON ABOVE THE NUMBERED DAYS.







- a. THE  ICON REPRESENTS AN “ON” FLUSHING DAY
- b. THE  ICON REPRESENTS A “OFF” FLUSHING DAY.



2. TO SELECT SPECIFIC DAYS OF THE WEEK TO FLUSH, WITH THE  CURSOR ON A SPECIFIC DAY (THE CURSOR ALWAYS STARTS WITH DAY 1), PRESS THE  BUTTON TO ACTIVATE A PARTICULAR DAY OF THE WEEK TO FLUSH. PRESS THE  BUTTON TO CANCEL FLUSHING FOR THAT DAY. AFTER PRESSING A BUTTON THE CURSOR AUTOMATICALLY ADVANCES TO THE NEXT DAY.

3. REPEAT STEP 2 UNTIL ALL DESIRED DAYS HAVE BEEN SELECTED. THE SELECTED DAYS WILL SHOW WITH A  ICON TO INDICATE THEIR STATUS AS ON. THE LAST  ICON IS THE LAST FLUSHING DAY FOR THE PROGRAM.

4. YOU HAVE FINISHED PROGRAMMING FOR “DAYS OF THE WEEK” FLUSH MODE. DO NOT PRESS ANY MORE KEYS. ALLOW THE UNIT TO GO INTO SLEEP MODE AUTOMATICALLY.

**B. "INTERVAL" – EXAMPLE: FLUSH EVERY OTHER DAY OR EVERY 3RD DAY, ETC.**

1. TO SELECT "INTERVAL" FLUSHING MODE FROM 1 TO 31 DAYS, FIRST PUSH THE  BUTTON UNTIL THE "DAYS OF THE WEEK" MODE SCREEN IS DISPLAYED. THEN PRESS THE  BUTTON AND MOVE THE CURSOR TO THE 7<sup>TH</sup> DAY OF THE WEEK. FINALLY, PRESS THE  AGAIN UNTIL THE  INTERVAL FLUSHING ICON AND TWO CALENDARS  →  APPEAR ON THE DISPLAY.

2. PRESS THE  OR  BUTTONS TO SELECT THE NUMBER OF DAYS BETWEEN FLUSHING DAYS (1-31). THIS IS CALLED THE INTERVAL.







**EXAMPLE:**

- 1 = EVERY DAY OR 24 HOURS BETWEEN FLUSHES.
- 2 = EVERY OTHER DAY OR 48 HOURS BETWEEN FLUSHES
- 3 = EVERY THREE DAYS OR 72 HOURS BETWEEN FLUSHES, ETC.




3. YOU HAVE FINISHED PROGRAMMING FOR "INTERVAL" MODE.

DO NOT PRESS ANYMORE KEYS. ALLOW THE UNIT TO GO INTO SLEEP MODE AUTOMATICALLY.

**C. “MANUAL” – EXAMPLE: FLUSHING ON DEMAND.**





1. PRESS THE  BUTTON ONCE TO DISPLAY THE CURRENT TIME OF DAY.
2. PRESS AND HOLD THE  BUTTON FOR TWO SECONDS TO DISPLAY THE MANUAL  FLUSHING ICON.
3. USE THE  or  BUTTON TO ADJUST THE MANUAL FLUSH RUN TIME FROM 1 MINUTE TO 4 HOURS.
4. RELEASE THE BUTTONS AND THE CONTROLLER WILL COUNT DOWN 10 SECONDS BEFORE ACTIVATING THE MANUAL CYCLE.
5. THE FLASHING FLUSHING  ICON WILL APPEAR ON THE DISPLAY WHEN FLUSHING IS OCCURING.

**NOTE: TO STOP MANUAL FLUSHING.**

PRESS THE  BUTTON UNTIL THE OFF FLUSHING SYSTEM  ICON IS DISPLAYED. WAIT 4 SECONDS AND “OFF” WILL APPEAR ON THE DISPLAY. PRESS THE  AGAIN AND THE SVC WILL FLUSH BASED UPON THE CURRENT PROGRAM.



## PROGRAMMING TIPS

1. IF YOU HAVE PROGRAMMED FOR “INTERVAL” AND YOU WISH TO CHANGE TO “DAYS OF THE WEEK” MODE WHILE IN THE “INTERVAL” PROGRAMMING MODE, THEN PRESS THE RIGHT ARROW  BUTTON TO GO BACK TO THE “DAYS OF THE WEEK” MODE. REMEMBER, TO GO FROM THE “DAYS OF THE WEEK MODE BACK TO THE “INTERVAL MODE’ YOU MUST PRESS THE RIGHT ARROW  BUTTON AND MOVE THE CURSOR TO THE LAST DAY OF THE WEEK AND THEN PRESS THE RIGHT ARROW  BUTTON AGAIN TO GO TO THE “INTERVAL MODE”.
2. THE LAST FLUSHING PROGRAM MODE, “DAYS OF THE WEEK” OR “INTERVAL”, LEFT DISPLAYED ON THE SCREEN WHEN FINISHED PROGRAMMING AND THEN ALLOW THE UNIT TO GO TO SLEEP AUTOMATICALLY, IS THE MODE IT WILL OPERATE IN.
3. IF YOU WANT TO TURN OFF THE CONTROLLER COMPLETELY, GO TO THE LAST PROGRAMMING MODE SCREEN DISPLAY BY REPEATEDLY PRESSING THE PROGRAM MODE KEY UNTIL YOU REACH THE SYSTEM OFF  ICON . THEN WAIT APPROXIMATELY 3 SECONDS AND THE WORD OFF WILL ALSO BE DISPLAYED. THE CONTROLLER IS NOW OFF AND WILL NOT CARRY OUT ANY PROGRAM FUNCTIONS. THE DISPLAY & CONTROLLER FUNCTIONS WILL AUTOMATICALLY SHUT OFF.
4. TO REACTIVATE THE CURRENT PROGRAMS IN THE “DAYS OF THE WEEK” OR “INTERVAL” PROGRAM MODE, GO TO STEP #4 AND EXIT THE DESIRED PROGRAM MODE BY ALLOWING THE DISPLAY TO SHUT OFF (GO TO SLEEP) AUTOMATICALLY WHILE IN THAT MODE.

**5. HOW TO REPROGRAM THE FIRST DAY OF WEEK TO REPRESENT SUNDAY.**

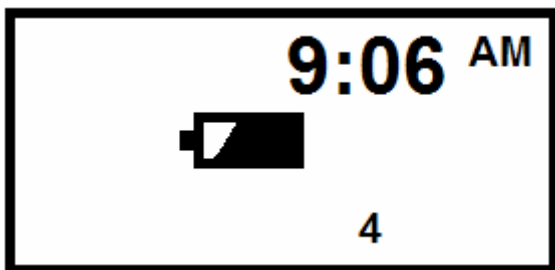
**TO HELP AVOID CONFUSION AND BE CONSISTANT, THE CONTROLLER IS PROGRAMMED AT THE FACTORY FOR SUNDAY TO BE THE FIRST DAY OF THE WEEK AND IS REPRESENTED BY THE NO. 1. THEREFORE, 2 = MONDAY, 3 = TUESDAY AND SO ON.**

**SOMETIMES THIS GETS CHANGED FOR WHATEVER REASON WITH A DIFFERENT DAY OF THE WEEK OTHER THAN SUNDAY REPRESENTING THE NO.1 AS THE STARTING DAY OF THE WEEK.**

**IF IS HAPPENS AND YOU DON'T RECOGNIZE IT YOU MAY PROGRAM THE UNIT TO FLUSH ON A PARTICULAR DAY AND IT WILL ACTUALLY FLUSH ON A DIFFERENT DAY.**

**YOU CAN DETERMINE THIS WHEN YOU FIRST TURN ON THE CONTROLLER AND YOU ARE AT THE FIRST PROGRAMMING SCREEN AS FOLLOWS:**

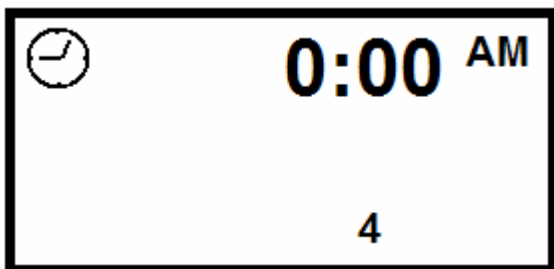
**“BATTERY POWER INDICATOR & LAST PROGRAMMED CURRENT TIME & DAY” SCREEN.**



**IN THE EXAMPLE ABOVE THE NUMBER 4 REPRESENT WEDNSDAY. YOU WILL NEED TO CHANGE THIS NUMBER TO REPRESENT THE CORRECT CURRENT DAY. FOR INSTANCE, IF IN FACT THE CURRENT DAY IS THURSDAY YOU NEED TO CHANGE THE NUMBER TO 5.**

**TO CHANGE THIS NUMBER PRESS THE  BUTTON AND ADVANCE ONE SCREEN TO:**

**A. CURRENT TIME & DAY PROGRAM MODE**



**B. PRESS THE RIGHT ARROW  BUTTON THREE TIMES TO ADVANCE TO THE NUMBER. THE NUMBER WILL BE FLASHING INDICATING IT IS READY TO BE CHANGED.**

**C. FINALLY, USE THE  or  BUTTON TO CHANGE THE NUMBER TO REFLECT THE CORRECT CURRENT DAY OF THE WEEK.**

## **SVC CONTROLLER RESETTING PROCEEDURE**

**THIS INFO IS FOR THE PEOPLE HAVING TROUBLE WITH THIER CONTROLLER GOING NUTS AND ACTING LIKE IT'S LOST. THE PROCEEDURE WILL REBOOT IT AND GET IT BACK TO THE WAY IT WAS BEFORE ANY PROGRAMMING WAS DONE.**

**The reset procedure for the SVC controllers is as follows. Remove the 9 volt battery and wait three minutes. Next, press and hold down the PLUS, the MINUS and the LEFT ARROW buttons all at the same time. While your are holding the buttons down insert the battery into the SVC controller. The display should now read 12:00AM and is ready to be re-programmed.**

**Contact Technical Services a Kupferle Foundry Company if you have questions or comments.**

**Our phone number is 800-231-3990. We are available Monday through Friday from 7:30 am - 4:00 pm Central Standard Time.**