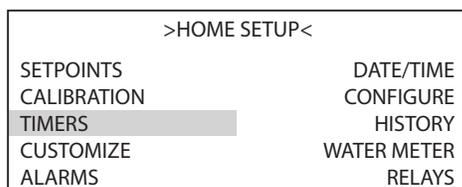


## 28 Day Biocide Setup

### Step 1:

Push the **SET UP RUN** button to get this screen. From here push **TIMERS** (Button 3) to go to the next screen.



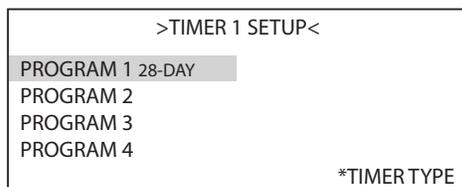
### Step 2:

This is the Timers Setup Screen. From here push **TIMER 1** (Button 1) to go to the next screen.



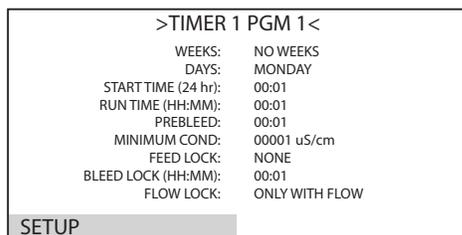
### Step 3:

This is the Timer 1 Setup Screen. From here push **PROGRAM 1** (Button 1) then go to the next screen. \*Also, from this screen you can change the timer type assigned to Timer 1.



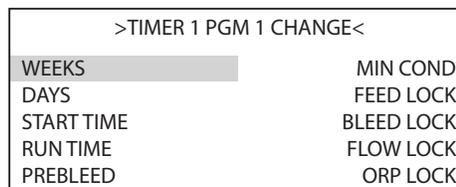
### Step 4:

This is the Timer 1 PGM 1 Screen. You can view your current settings. From here push **SETUP** (Button 5) then go to the next screen.



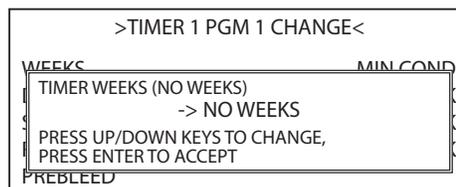
### Step 5:

This is the Timer 1 PGM 1 Change Screen. Push **WEEKS** (Button 1) to go to the next screen.



### Step 6:

Set Timer Weeks by using the up/down arrow keys. Press **ENTER** to accept and continue and **HOME** to finish. The Days, Start Time, Run Time, Prebleed, Min Cond, Feed Lock, Bleed Lock, and Flow Lock can be changed with similar steps.



### Program descriptions:

- DAYS** = Days of the week for desired feed.
- START TIME** = Time of day that the pre-bleed then feed RUN time starts.
- RUN TIME** = The amount of time that the relay is activated for feed.
- PREBLEED** = The amount of time that the tower bleed can be run to lower conductivity before feeding.
- MIN COND** = Minimum conductivity value allowed during pre-bleed if reached pre-bleed stops and feed starts.
- FEED LOCK** = Identifies another timer from the same system that is not allowed to run while the 28-day timer is running.
- BLEED LOCK** = Amount of time the bleed is locked out during and after RUN time
- FLOW LOCK** = Select if timer can RUN with or without flow.
- ORP LOCK** = Allows ORP to be interlocked with 28-day timer for feeding to ORP set point. See back for MG and XS description.

## 28 Day Biocide Setup

There are a few differences between the series MG, SS and XS models concerning the Flow Lock and ORP Lock functions in a 28-day timer.

### **Flow Lock**

The MG and SS models Flow Lock setting simply lets the user select if the timer can run “Only with Flow” or “With or Without Flow” being present on the flow switch input. Series XS models have an additional selection of “Flow Only / Store 1” which allows the unit to store one missed feed if there was no flow at the appointed feed time. The stored feed cycle will run when the flow does turn on.

### **ORP Lock**

ORP interlock is only available on models with the ORP function. The purpose of the ORP interlock is to allow ORP set point control during the Run period of any 28-day timer program.

The MG and SS models ORP Lock allowed the ORP set point to control the relay being activated by the 28-day timer during the timer’s programmed RUN time. This assumes that the ORP function’s single set point will only be used in conjunction with the 28-day timer. The feed device must be plugged into a relay being activated by the 28-day timer. The ORP Limit Timer in the ORP settings must be set to 00:00.

The XS series has a second ORP set point and the ORP interlock of a 28-day timer forces the ORP control to switch from the first set point to the second during the RUN period of the 28-day timer. The feed device must be plugged into a relay activated by the ORP function. If it is plugged into a relay activated by the 28-day timer it will run continuously for the timer’s RUN time instead of on/off based on ORP set point 2 during the 28-day timer’s RUN time. This allows for maintaining a lower ORP residually constantly based on set point 1 then “shocking” the system to a higher ORP value (set point 2) periodically based on the 28-day timer’s program. If it is not desired to maintain a low residual set the first set point for a low value like 50 mV.