



Programming Instructions for the HG-6

(December 2006)



Features:

- Up to three operations per day
- Battery powered
- Waterproof and weather resistant
- Easy programming

BASIC CONTROLLER FUNCTIONS

This section gives a brief description of the Controller buttons.

MODE: Quick presses of the MODE button turns the controller off, or turns on a specific program (P1, P2, or P3). By holding the MODE button longer, the Controller goes into the programming mode.

SET: Press the SET button to set and advance functions.

+ / -: Use the plus / minus buttons to increase and decrease schedule functions.

PROGRAMMING OVERVIEW

This Controller offers three different programs (P1, P2, and P3).

Program 1 (P1):

Allows one Run Time from one minute to 11 hours 59 minutes with one Start Time, flushing every day.

Program 2 (P2):

Allows one Run Time, one Start Time (the same as P1) but allows the capability of selecting the Day or Days of the week to flush.

Program 3 (P3):

Allows one Run Time with up to three Start Times per day and the capability of selecting the Day or Days of the week to flush.

- The Run Time is common for all 3 Programs.
- The Start Time is common for P1 and P2.
- P3 requires the Start Times to be set. The Controller will operate with only 2 Start Times set if desired.
- The Controller has 4 MODES. P1, P2, P3, or OFF. The MODE will be displayed along with the time and day of the week.
- Be sure the MODE you want the Controller to run.

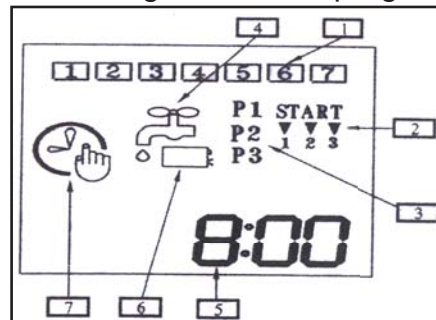
See “Programming the Controller” instructions in this manual for step-by-step programming instructions.

PROGRAMMING THE CONTROLLER

Meaning of Controller Icons

Note: Quick presses of the MODE button turns the Controller off, or turns on the specific program (P1, P2, or P3). By holding the MODE button longer, the Controller goes into the programming mode.

1. Flushing days of the week
2. Program starts
3. Program Number
4. Flushing
5. Clock or Run Time
6. Low battery
7. Time adjustment



Note: You can not program the Controller if it is set to Manual operation or if it set to “OFF”. To release from Manual operation, press - (the minus sign) and SET simultaneously. To release from OFF, press briefly on the MODE button.

Controller will revert to operating mode after 30 seconds if no buttons are pressed.

Setting the Clock

Note: The Clock must be set before programming the Controller.

If the screen display is blank, press MODE to activate.

1. Press and hold the MODE button for several seconds until the time adjustment icon appears (the minutes will be flashing).

On this screen, the numbers represent the current time. This is a 24-hour clock (military time). No A.M. or P.M. is shown.

Setting the Clock (continue)



2. Use the + (plus) and the - (minus) buttons to adjust the minutes.
3. Press SET to continue.
4. Use the + (plus) and the - (minus) buttons to adjust the hours.
5. Press SET to continue.
6. Use the + (plus) and the - (minus) buttons to select the current day of the week.
The selected day will flash.
1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, and 7 = Saturday
7. Press SET to return to Operating mode.

Setting the Flush Run Time

To set duration of all Flushes, you must be in an Operating mode (P1, P2, or P3).

1. Press and hold the MODE button until the clock setting screen appears. Then press and continue holding the MODE button until the following screen appears. Release the MODE button. The minutes will be flashing.

On this screen, the clock numbers refer to the amount of time you wish to flush. Minimum time is one minute. Maximum time is 11 hours 59 minutes in one minute increments.

2. Use the + (plus) and the - (minus) buttons to adjust the minutes.
3. Press SET to continue.
4. Use the + (plus) and the - (minus) buttons to adjust the hours.
5. Press SET to continue.



Flushing Every Day at a Set Time (P1)

If you would like to flush every day at the same time, use the program P1.

Setting the Start Time

After setting the flush run-time, the following screen appears:

On this screen, the clock numbers refer to the time you wish the flush time to begin.



1. Use the + (plus) and the - (minus) buttons to adjust the minutes.
2. Press SET to continue.
3. Use the + (plus) and the - (minus) buttons to adjust the hours.
4. Press SET to return to Operating mode (P1 programming is now complete).

Example:

If you wish to flush every day at 9:00 in the morning for 20 minutes, make sure the clock is set, and you are in the Operating mode. Press MODE twice to get to the Duration Time (with the “faucet” icon). Set the Duration Time to 0:20. Then set the clock (on the following screen with the “clock face” icon and the “faucet” icon) to 9:00.

Flushing on Selected Days (P2)

If you would like to flush on specific days at the same time, use the program P2.

Note: Flush duration must be set first. P2 takes the start time directly from P1. For instructions on how to set P1, see previous instructions above.

Setting the Days

1. To set the days, press and hold the MODE button until the Clock setting screen appears; then press and hold MODE again until the Duration Time (with the “faucet” icon) appears. Then press and hold MODE again until the P1 screen appears, and press and hold the MODE button once again until the following screen appears.

Flushing on Selected Days (continue)



2. Press SET to reach the day you wish to flush. The number (corresponding to the day of the week) will flash.
3. Press the + (plus) button to select that day - a square which appears indicates the day is selected.
4. Press the - (minus) button to de-select a day.
5. Press SET until all days are programmed as desired. Current day continues flashing.
6. Press SET to return to the Operating mode.

Example:

If you wish to flush Sunday, Tuesday, Thursday, and Saturday at 9:00 in the morning for 20 minutes, make sure the clock is set, and you are in the Operating mode. Press MODE twice to get to the Duration Time (with the “faucet” icon). Set the duration time at 0:20. Then set the clock (on the following screen with the “clock face” icon and the “faucet” icon) to 9:00. Press MODE to get to the P2 screen, and then select the days 1, 3, 5, and 7.

Flushing up to Three Times a Day on Selected Days (P3)

If you need to flush more (up to three times a day) on a specific day, use the program P3.

Note: Run time must be programmed first.

Setting the Start Times

To set start times, you must be in the Operating mode (P1, P2, or P3).

1. Press and hold the MODE button until the clock setting screen appears; then press and hold MODE again until the Run Time (with the “faucet” icon) appears. Press and hold MODE a third time until the P1 screen appears, then press and hold again until P2 appears, and finally press and hold MODE again until P3 screen appears. (The minutes will be flashing).

On this screen, the clock numbers refer to the time you wish the first flush (START 1) to begin. The three arrows under START indicate the three different flushes. As each arrow appears, you may program the start time for that particular flush.

Flushing up to Three Times a Day on Selected Days (continue)



2. Use the + (plus) and the - (minus) buttons to adjust the minutes.
3. Press SET to continue.
4. Use the + (plus) and the - (minus) buttons to adjust the hours.
5. Press SET to continue programming. The arrow now appears under START 2.

Setting up a Second and Third Daily Flushes

Repeat the above steps for setting the start times of the second and third daily flushes. After setting the start times, the number 1 in the upper left corner will flash indicating that you are now ready to choose the days you wish to flush.

Choosing the Days

1. Press SET to move through the days and reach the day you wish to flush. The number (corresponding to the day of the week) will flash.
2. Press + (plus) button to select that day -- the square around the day appears indicating the day is selected.
3. Press - (minus) button to deselect a day (no square will show).
4. Continue through until all of the days you want to flush are selected. Press SET to return to the Operating mode.



Example:

If you wish to flush Sunday, Tuesday, Thursday, and Friday at 9:00 in the morning, and at noon, and at 2 P.M. (14:00) for 30 minutes each time, first make sure the clock is set, and the run time is set to 0:30. Press MODE until the clock setting screen appears, then press MODE again until the Duration Time (with the "faucet" icon) screen appears. Press MODE until the P3 screen appears (with the "faucet" icon and the "clock face" icon). Set 1 to 9:00, Start 2 to 12:00, and Start 3 to 14:00. After setting the flush start times, the days at the top of the screen will flash. Set 1, 3, 5, and 6 - then press SET when you reach day 7. Make sure a square is around 1, 3, 5, and 6. The square indicated days to run.

Manual Operation



To manually open the valve, make sure that the Controller is not set to OFF. (If it is set to OFF, press MODE). Now press + (plus) and SET buttons simultaneously. This will open the valve. The flush will continue until the set run time has passed. If the flush duration has been set to zero, the valve will close after one minute. To stop the flush, press - (minus) and SET simultaneously. This will close the valve.

MAINTENANCE AND TROUBLESHOOTING

Battery Replacement

Replace the battery when the low battery icon appears.

1. Using a Phillips screwdriver remove the four battery cover screws.
2. Remove the battery cover seal.
3. Replace the battery. Make sure + (plus) and - (minus) terminals match controller markings.
4. After reattaching the seal, put the cover back, and secure with four screws. Make sure the seal is clean and the screws are evenly tightened.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Controller does not flush as desired	Water at main water supply is shut off	Check main supply valve
	Battery dead	Replace battery
	Controller set on OFF	Set controller to desired program
	Controller improperly programmed	Check program and clock settings
Blank display	Battery dead	Replace battery
	Controller in sleep mode	Press MODE to activate screen
Water does not turn off	Valve blocked by dirt or scale	Repair valve
	Valve installed backwards	Install valve so that the arrow points in the direction of the water flow

If you need further assistance, please contact Hydro-Guard® at (877) 864-8500.

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