

# Programming the DIG 5006-IP or DIG 710 series timer for Misting

From our experience, the DIG timers are wonderful units that have many uses. From misting to irrigation, they can do it all. That being said, the directions leave a little to be desired. DIG has thoughtfully placed their 800 number on every unit "in case" anyone has trouble programming it, but from what we have seen, almost EVERYONE calls them to help with the programming.

To make it simple for the purchasers of these timers, we have taken the liberty of fine-tuning the programming directions to make it unnecessary (we hope) to call them. We called DIG to walk us through the programming and wrote down the directions as we went. Hopefully our directions are a lot clearer than theirs.

Keep in mind; these new directions are for setting up ONE of the six stations for misting on the DIG 5006-IP and setting the DIG 710 series for misting. Anything above that, and these new directions may not apply.

Please read the supplied DIG instruction manual to familiarize yourself with the unit, the controls and the functions of the four buttons, but DO NOT attempt to program the unit per the manual! DO NOT play with the buttons in an attempt to program it. Read the manual, then read these directions and program the unit per these directions. You will be glad you did!

We will be doing the following programming:

- Setting the clock for the current time.
- Turning the unit on at a predetermined hour.
- Turning the unit off at a predetermined hour.
- Setting the mist duration
- Setting the frequency of misting. i.e.: every 10 minutes
- Setting the watering schedule. i.e.: 7 days a week

The directions are broken down as follows:

- Programming the DIG 5006-IP
- Programming the DIG 710 series

Two additional sets of additional directions follow.

One where you are starting from scratch i.e.; program was lost due to a power failure and dead battery.

The second where you want to change a setting in a pre-programmed unit.

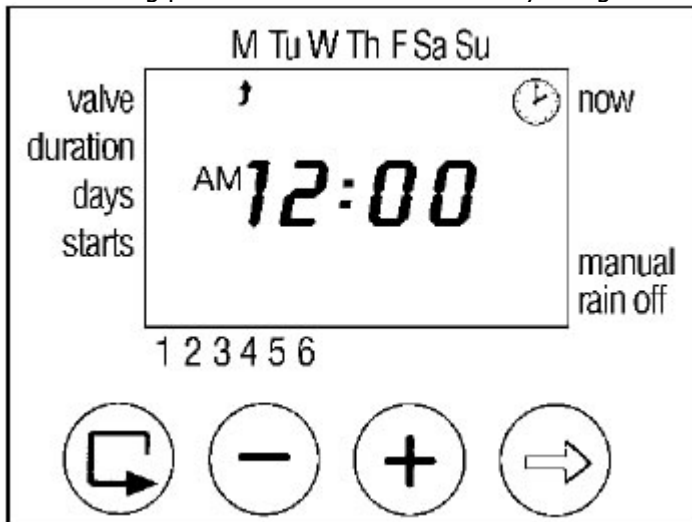
We recommend that until you are familiar with the programming, you do all the programming using BATTERY power when programming the DIG 5006-IP. You can remove the battery and let the unit erase the programming so you can start over if needed. PLEASE NOTE: the battery must be removed for AT LEAST 30 seconds to completely erase the prior programming.

# DIG 5006-IP

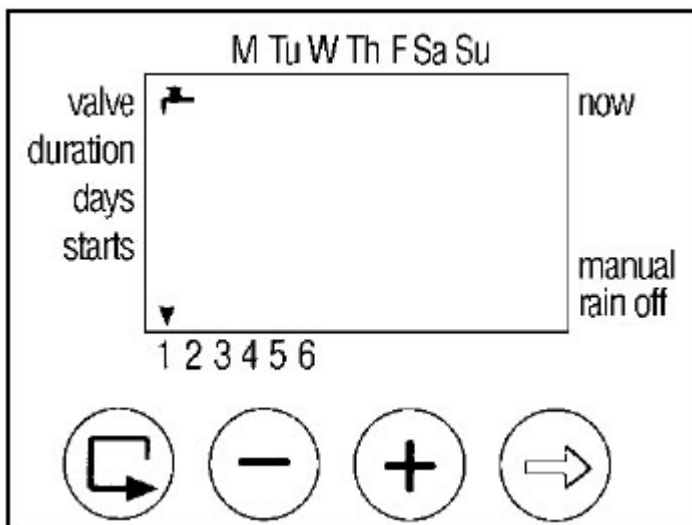
## Programming unit with NO prior program installed.

Open the DIG manual and read steps 7 through 11.  
Follow these directions and program your controller using these steps.  
We have included a few pictures to aid in programming.

The following picture shows the time and day being set. This is step #8 in the DIG manual.

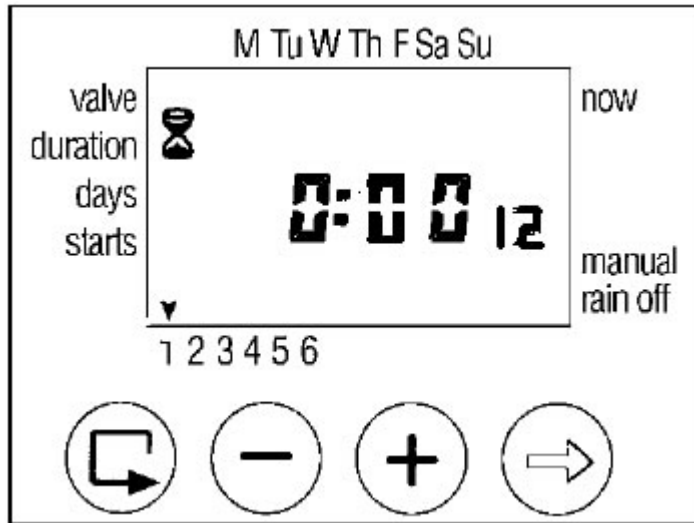


Here is the next screen showing that we have selected valve one to program. This is step #9 in the DIG manual.



**Warning:** At step 10, The DIG instructions state nothing about seconds. Only hours and minutes which could be confusing to new folks setting up the timer for the first time. Just use the "arrow" button to move through the numbers until the seconds blink. Now use + or - to get to the desired number of time in second that you want to mist.

The following picture shows 12 seconds as the mist duration. Step #10 in the DIG manual.

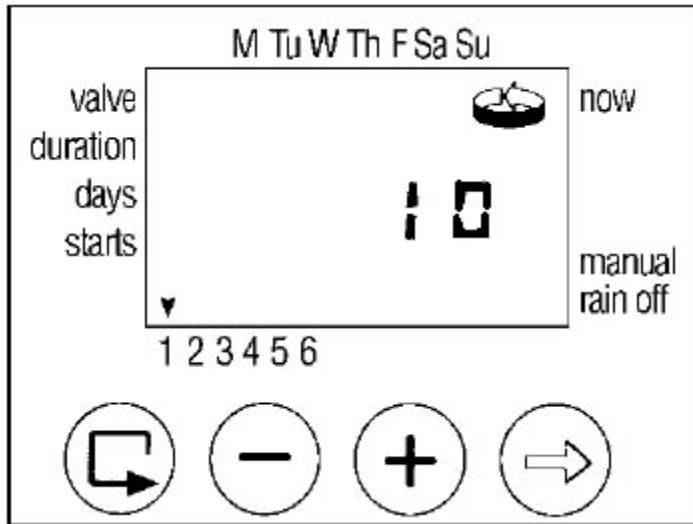


DO NOT go beyond step 11. This is where the instructional manual begins to fail and cause confusion.

At step 11, because we are setting up a mist cycle, we will need to Use 11c (cyclical irrigation), follow the directions until the word "ONCE" is blinking.

IMPORTANT: "ONCE" should be blinking. If it is not blinking, just keep pressing the far left "enter" button until you cycle back to the screen that says "ONCE". It should now be blinking. At this point, press the + to advance to the desired frequency of misting (OFF time between mistings). Example: to mist every 10 minutes, it would read 10.

The picture below is what your screen will look like after setting the OFF time. Step #11c in the DIG manual.



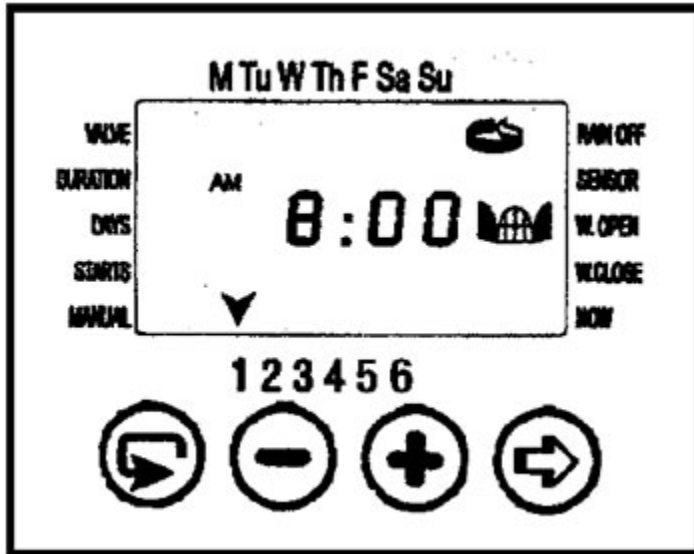
Press the far left "enter" button

Use the far right "arrow" button to highlight the time you want the unit to start its cycle for the first time. Please note that this screen will have START 1 in the lower left corner of the screen. As it was explained to us from DIG, this screen is the time the unit begins its frequency (off time) of misting cycle. As the unit is running, this time will change to reflect the next time the cycle will start. For example, if you set the OFF time between mistings to 10 minutes, the unit will add ten minutes to this time to reflect the next time the mister should turn on. So, if you set it for 7am, after the first misting cycle, this time will change to 7:10 to reflect the next time it is to start the misting, and so on...a little confusing, but once you understand what this time is that you are setting, it kind of makes sense. This start time will be a few minutes into the future. Simply add 5 minutes to the CURRENT time. By current, we mean the time on your watch, computer, etc. When 5 minutes have passed, the timer will start its misting cycle.

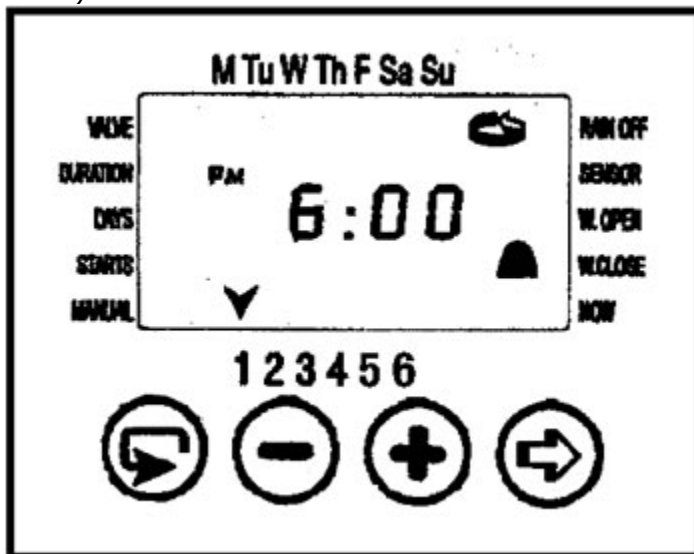
To the right of the time is the number of days to skip before starting the frequency timer. Now make sure that the number of days is set to 0. Changing this number to a 1 would make the timer start in 1 day, etc.

Press the left "enter" button. This screen should read off.

Press the left "enter" button. This is the time you want the unit to start in the morning. Use the "arrow" key to navigate through the hour or minutes, and use the - or + keys to make changes. (You will see a symbol that looks like an open window, beside W open) Be sure you choose AM.



Press the left "enter" button. This is the time you want the unit to shut off for the day. Navigate like you did for the on time. (You will see a symbol that looks like a closed window, beside W closed) Be sure to choose PM.



NOTE: these open and closed window symbols actually indicate your solenoid valve being open or closed.

Press the left "enter" button. This screen should read off.

Press the left "enter" button. You are back at the main screen that shows the current time.

You will see a raindrop in the DIG digital readout over valve 1 to indicate the valve is in operation.

If you believe at any time that you have totally screwed up the programming or are stuck somewhere, simply remove the battery and allow unit to power down. Now you can start programming from the start.

### **Changing the programming that was previously installed.**

Basically, you use the left "enter" button to get to the particular screen you want to change. Use the right "arrow" button to get the number to blink. Use the + or – to make the change. When done, press the "enter" button to advance to the next screen. Repeat if necessary.

When you are done changing the settings you needed to, simply keep pressing the "enter" button until you arrive at the main screen that shows the current time.

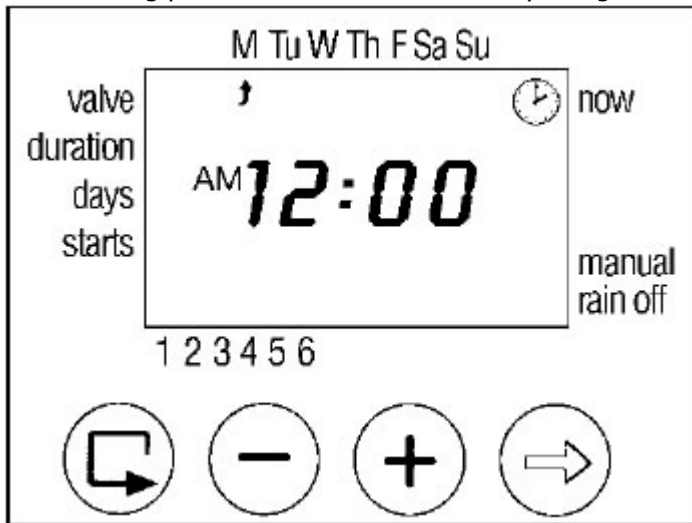
We believe these instructions are a little easier to understand than the DIG manual, but we realize some people may still have a tough time programming the unit. If this is the case, please call DIG at 1-800-344-6641 and ask for tech. They are very friendly and can surely walk you through it, and be sure to take notes.

## DIG 710 series

### Programming unit with NO prior program installed.

Open the DIG manual and go to step 12.  
Follow the directions and program your controllers time and day.

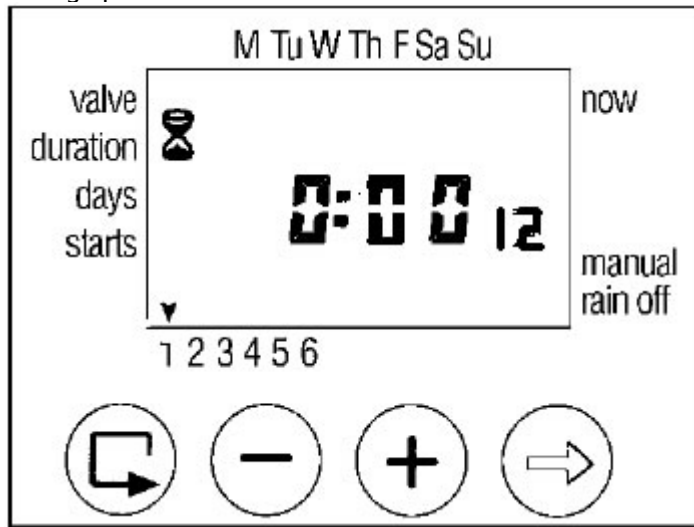
The following picture shows the time and day being set. This is step #12 in the DIG manual.



If you would like your controller to display 24 hour time, follow step 13, otherwise, skip it.

**Warning:** At step 14, The DIG instructions explain very little about setting the seconds. Only hours and minutes which could be confusing to new folks setting up the timer for the first time. Just use the "arrow" button to move through the numbers until the seconds blink. Now use + or - to get to the desired number of time in second that you want to mist.

The following picture shows 12 seconds as the mist duration. Step #14 in the DIG



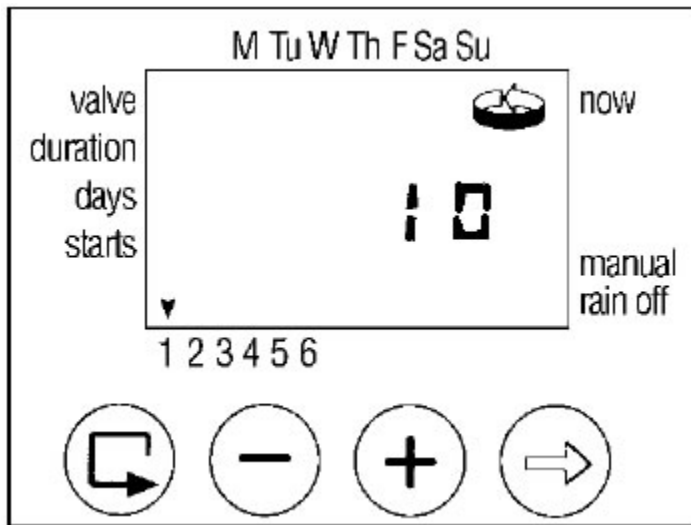
manual.

DO NOT go beyond step 14. This is where the instructional manual begins to fail and cause confusion.

At step 15, because we are setting up a mist cycle, we will need to Use 15b (cyclical irrigation), follow the directions until the word "ONCE" is blinking.

IMPORTANT: "ONCE" should be blinking. If it is not blinking, just keep pressing the far left "enter" button until you cycle back to the screen that says "ONCE". It should now be blinking. At this point, press the + to advance to the desired frequency of misting (OFF time between mistings). Example: to mist every 10 minutes, it would read 10.

The picture below is what your screen will look like after setting this duration time. Step #15b in the DIG manual.



Press the far left "enter" button

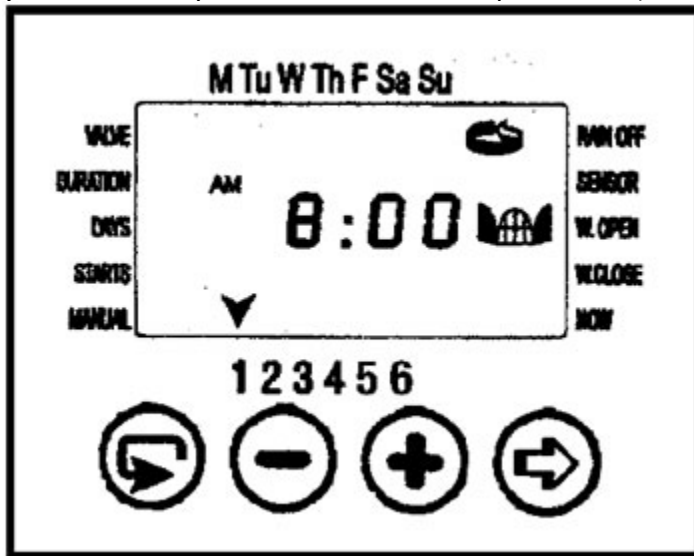
Use the far right "arrow" button to highlight the time you want the unit to start its cycle for the first time. Please note that this screen will have START 1 in the lower left corner of the screen.

As it was explained to us from DIG, this screen is the time the unit begins its frequency (off time) of misting cycle. As the unit is running, this time will change to reflect the next time the cycle will start. For example, if you set the OFF time between mistings to 10 minutes, the unit will add ten minutes to this time to reflect the next time the mister should turn on. So, if you set it for 7am, after the first misting cycle, this time will change to 7:10 to reflect the next time it is to start the misting, and so on....a little confusing, but once you understand what this time is that you are setting, it kind of makes sense. This start time will be a few minutes into the future. Simply add 5 minutes to the CURRENT time. By current, we mean the time on your watch, computer, etc. When 5 minutes have passed, the timer will start its misting cycle.

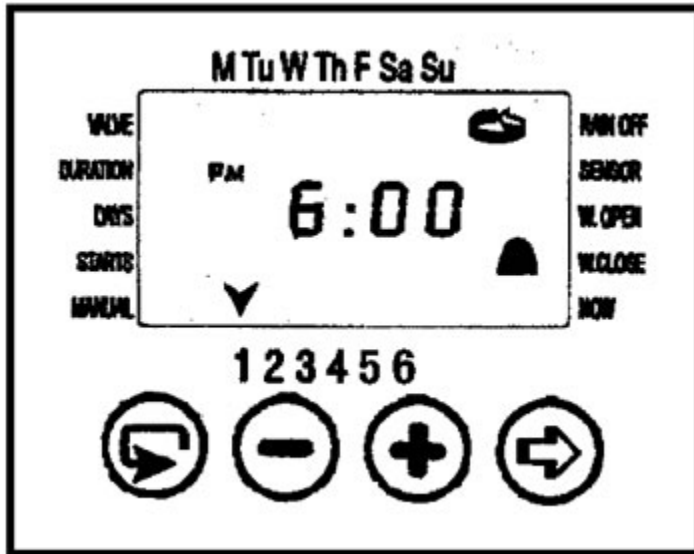
To the right of the time is the number of days to skip before starting the frequency timer. Now make sure that the number of days is set to 0. Changing this number to a 1 would make the timer start in 1 day, etc.

Press the left "enter" button. This screen should read off.

Press the left "enter" button. This is the time you want the unit to start in the morning. Use the "arrow" key to navigate through the hour or minutes, and use the - or + keys to make changes. (You will see a symbol that looks like an open window, beside W open) Be sure you choose AM.



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NOTE: these open and closed window symbols actually indicate your solenoid valve being open or closed.

Press the left "enter" button. This screen should read off.

Press the left "enter" button. You are back at the main screen that shows the current time.

While the controller is activating the solenoid during operation, you will see a raindrop in the DIG digital readout over valve 1 to indicate the valve is in operation.

If you believe at any time that you have totally screwed up the programming or are stuck somewhere, simply remove the batteries and allow unit to power down. Now you can start programming from the start.

### **Changing the programming that was previously installed.**

Basically, you use the left "enter" button to get to the particular screen you want to change. Use the right "arrow" button to get the number to blink. Use the + or - to make the change. When done, press the "enter" button to advance to the next screen. Repeat if necessary.

When you are done changing the settings you needed to, simply keep pressing the "enter" button until you arrive at the main screen that shows the current time.

We believe these instructions are a little easier to understand than the DIG manual, but we realize some people may still have a tough time programming the unit. If this is the case, please call DIG at 1-800-344-6641 and ask for tech. They are very friendly and can surely walk you through it, and be sure to take notes.

There are videos available at <http://mistkits.com> to help with the programming of the controller. The controller in the video is a DIG 5006-IP, but the process of programming the DIG 710 series timer is nearly identical. When programming the DIG 5006, you need to specify which valve you

are programming, but because the DIG 710 series only controls one valve, there is no need to specify the valve number.