

7 Day Programmable Timer

STEPS FOR SETTING THE SEVEN DAY TIMER

MANUAL BUTTON

The large "MANUAL" button cycles a relay (on & off) that opens the gate and holds it open. It also allows you to enter the automatic (auto) cycle. We will explain it's use later, but each time you press the manual button, the cursor at the bottom of the display screen moves above the words "ON" "AUTO" "OFF" (it may also open your gate if you scroll it above ON). When the relay is energized, the red L.E.D. will be lit. For right now, press the "manual" button until you have the cursor above the OFF.



SETTING THE CORRECT DAY OF THE WEEK

1. Press the "clock" button and hold in that key.
2. Press the "day" button until the correct day is displayed at the top of the screen.
3. Release both buttons and your day of the week will be set.

SETTING THE CORRECT TIME OF DAY

1. Press the "clock" button and hold in that key.
2. Press the "hour" button until correct hour is displayed. (Some timers display "military time," where time begins at midnight and the hours are on a 24 hour basis. 1:00 PM is 13:00, etc. On the models that do not display military time, you will notice that when scrolling through the hours that an AM or PM may appear in the top left hand corner of the screen.)
3. Release both buttons and your hour of the day will be set.
4. Press the "clock" button and hold in that key
5. Press the "minute" button until correct minutes are displayed (seconds do not need to be set)
6. Release both buttons and your minutes will be set.

At this point your screen should be displaying the correct day of the week, the correct hour, minutes, and seconds either in military time or with AM / PM.

PROGRAMING THE TIMER TO OPEN AND CLOSE THE GATE

Technically, this timer does not close the gate. Your gate operator must be equipped with a close timer that closes the gate. The TM series timer opens the gate at a pre-determined time and then releases the gate at another pre-determined time, so that the timer to close in the gate operator can close the gate.

- Press the "timer" button **once**. The screen will display some dashes (-- --) in the middle of the screen, the number 1 in the lower left hand corner, "ON" on the left side of screen and it may or may not display the days of the week at the top of the screen. The number 1 is the first (number 1) program for opening and closing the gate. You will be setting the time of day and on what day(s) you want timer to open the gate (the ON function of the program opens the gate).
- Start by setting the day or days of the week for your first program, which is number 1, ON. As you press the "day" button repeatedly, it will give you days individually and in groups. Choose the setting you want (example: Mo, Tu, We, Th, Fr for Monday through Friday).
- Next, press the "hour" button and "minute" button to the desired open time (be sure the military time or AM / PM are correct for your situation).
- You have now successfully set the first program to open the gate. Now we must set it to release the gate and allow it to close.

- Press the "timer" button again and the screen will change to (-- --) as above, except that instead of having ON next to the number 1, it will read OFF (the OFF function of the program allows the gate to close).
- As before, set the day or days of the week for your 1 OFF program. As you press the day button repeatedly, it will give you days individually and in groups. Choose the setting that matches your ON setting exactly (example: Mo, Tu, We, Th, Fr for Monday through Friday)
- Next, press the "hour" button and "minute" button to the desired close time (be sure the military time or AM / PM are correct for your situation).

You have now successfully set the first program to open and close the gate.

- To add more open / close cycles, press the timer button again and your 2 ON program will appear. Just follow the same procedure as above for additional programs. The older version of the timer will allow up to 6 ON /OFF cycles.
- Scroll through all the programs until you return to your number 1 program. Be sure that there are only dashes (--) in any programs you are not using. If there is anything but dashes, reset the timer by pressing the reset button and start all over. The reset button is inset, so you must use a pen or pencil to push it.

When you are satisfied with your program(s), press the "clock" button to return to the main screen.

As with all other things, there are rules to follow. Here are a few:

1. You cannot open the gate in one program (1) and close it in another (2). For example, if you want the gate to open Monday through Saturday at 9:00 AM and close at 5:00 PM on Monday through Friday, but at 1:00 PM on Saturday, you would set your program as follows. Program 1 ON for Mo through Fr 9:00 AM and 1 OFF Mo through Fr 5:00 PM (or 17:00 military). Then set program 2 ON for Sa 9:00 AM and 2 OFF for Sa 1:00 PM (or 13:00 military).
2. If you want multiple Open / Close cycles during the day, set them separately. For example, if you want the gate to be open Monday through Friday from 6:00 AM until 8:00 AM and then again from 3:00 PM until 4:30 PM, you must set the first time period as your number 1 program and the second as your number 2 program.

PUTTING THE TIMER IN AUTOMATIC (AUTO) MODE

When you press the "manual" button, you will see that the line (_) or cursor displayed at the bottom of the screen moves back and forth. You can put that line above the "ON" "AUTO" "OFF." By placing it on the "AUTO" the gate will open and close according to the schedule you just programmed into the device.

Again, there are rules regarding this procedure:

Since ON opens the gate and holds it open and OFF allows it to close, you must first go to the one that corresponds with the time of day right now. In other words, if right now, the gate should be held open, scroll first to ON, then immediately to AUTO. If it is a time of the day when the gate should be closed, scroll first to OFF and then immediately to AUTO.