

TM 620

INSTRUCTION GUIDE



The TM620 is a 7 day timer that allows up to 6 on/off functions per day with times down to ONE SECOND. It is available in 120VAC. First, please check that you have the correct voltage for the application. The specified voltage is for the timer only. The output to your timed device goes through the contacts of the output relay which is rated to a maximum of 16A resistive and 8A inductive at 250VAC, 20 amps resistive at 125VAC and 16A at 30VDC.

A note on the battery: this is a CR2032 lithium battery available at most local drug and big box stores. It will not need to be replaced for approximately 2-3 years; it only keeps the time on the timer correct!

When the time comes to replace the battery, use a coin to remove the battery cover to avoid stripping the plastic cover. LETS GET STARTED!



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Controlling Time™

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WIRING THE TIMER:

- » Terminals 1 and 2 are for power to the timer only.
- » Terminals 3,4,5 bring power to the item being timed. Bringing power to terminal 3 and out of terminal 5 to your load (timed unit) will make it operate. It is recommended that the “hot” wire be cut and run into 3 and out of 5. Do not bring the hot and neutral to 3 and 5! This will cause a catastrophic failure to the timer!! This is not covered by warranty. This voltage does not need to be the same as the voltage to power the timer.

NOTE: THE VOLTAGE TO YOUR LOAD DOES NOT NEED TO BE THE SAME AS THE VOLTAGE TO POWER THE TIMER.

PROGRAMMING THE TIMER:

First, using a small pointed object push the reset button to clear all settings. The reset button is just above “SEC” dark gray button.

Setting the clock:

- » Press and hold the CLOCK BUTTON
- » Press the DAY KEY until the correct day is displayed
- » Do the same with the HOUR, MIN AND SEC KEY
- » The clock is now set!

How the timer functions:

You will need to understand you are going to set TWO time functions. The FIRST will be the hours of the day you want to have the timer function (IE: 9AM – 5PM or any other times). The SECOND will be the time you want the timer to turn on and off (IE: on for 30 seconds and off for one hour).

Let's get started:

First, you have pushed the reset button and set the clock. On to timing.

Push the “TIMER” button. You will see “ON TIME.” This is a 24 hour (military time) so 6 PM is actually 18:00 hours. There is no AM or PM setting here. Assuming you want the timer to start working at 6 AM, put in 6:00. Push the “TIMER” button again and set the time you want it to stop functioning, say Midnight. Put in 0:00. Now you have set the OVERALL time period you want the timer to operate. You're almost there! *NOTE: TAKE YOUR TIME PROGRAMMING! IF YOU MAKE A MISTAKE, YOU MUST START OVER WITH THE RESET BUTTON!!*

Push the “TIMER” button again and you will see “1” and “START” in the upper right. This is an AM/PM clock, so AM and PM are CRITICAL here. At this point, you will see the days of the week across the top of the LCD. There are 15 DIFFERENT DAY SETTINGS you can use (see chart page 4). By pushing the “DAY” button, you will see the various possibilities. If you only want the unit to work on Monday, push the “TIMER” button until just Monday appears.

1. MO TU WE TH FR SA SU
2. MO
3. TU
4. WE
5. TH
6. FR
7. SA
8. SU
9. MO TU WE TH FR
10. SA SU
11. MO TU WE TH FR SA
12. MO TU WE
13. TH FR SA
14. MO WE FR
15. TU TH SA

Let's say you want something to come on for 30 seconds at 6:00 am. Push "HOUR" until 6AM appears. This is 1 ON. Now push the "TIMER" button. 1 ----- "STOP" will appear. Now push the "DAY" button until the day/days match the 1---- "ON". Push the HOUR button until 6 AM appears. Now push the "SEC" button until it reads "30". The timer will now come on at 6AM for 30 seconds. If you want up to another 5 on/off's, push the "TIMER" button again and keep repeating as above at the times you want the item to come on and go off and for what period of time!

Now push the "CLOCK" button and the current day/time will appear. To check your settings push the "TIMER" button and you can see what you have set for on/off's.

YOU ARE DONE!