



# Seconds Timer

Model: ST-24

MistKing® Seconds Timer (ST-24) can be set to mist at user specified times. In addition, the misting duration of each program can also be customized. ST-24 has 10 programs (P0-P9), giving you total control. No need to use all programs if not required. Each program can be repeated daily or on a specific day only.

**Example:** P0: Start at 8:30 am and mist for 25 sec, every day of the week.  
 P1: Start at 2:30 pm, and mist for 1 min 20 sec, Wednesdays only.

## Seconds Timer Connection

1. Connect the **BLUE** lead on the seconds controller to the power adapter of your MistKing misting system.
2. Connect the **BLACK** lead to your pump and ZipDrip (if available). DO NOT plug ZipDrip to blue lead.



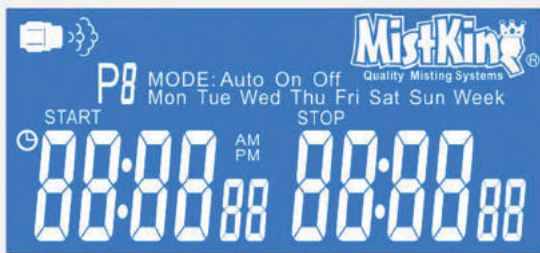
**NOTE:** Seconds controller works only with MistKing systems and therefore requires additional MistKing components to work properly.

**Using the seconds timer with non-MistKing equipment voids warranty.**

**NOTE:** \*Not To Scale\*  
Cables shortened for illustration purposes.



## LCD Display



- Timer is ON and connected MistKing® system is misting
- Timer is OFF and idle
- Current time clock
- Program : P0-P9
- START Start time of the program
- STOP Stop after set duration
- WEEK Program repeats every day

**Modes:** **ON:** Always ON --- **OFF:** Always OFF --- **AUTO:** Uses any of the configured programs (P0-P9)

## Setup Instructions:

### 1. Set current time and day of the week (picture A):

In normal status screen, press "⌚" key once to enter time setup. Press "⌚" key to switch between week date, hour, minute and second. Use up arrow or down arrow to adjust the value when flashing.

### 2. Set Timer Programs:

**a. Set the "MODE" (picture B):** In normal status, press "SET" key once, the current mode flashes, press up arrow or down arrow key to switch between "AUTO, ON and OFF"; choose the desired mode, then press "SET" key once.

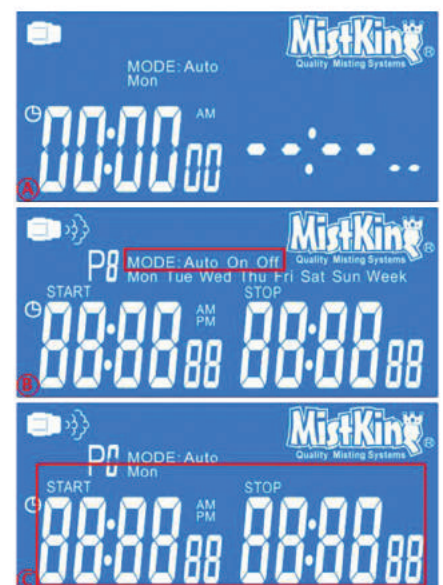
**Remember:** Timer only executes the P0-P9 program in AUTO mode.

**b. Set "P0" (picture C):** When "WEEK" of "P0" flashes, press "⌚" key to switch between day of the week, or whole week (Mon, Tue, Wed, Thu, Fri, Sat, Sun, & Week), start time (hour, minute and second) and stop duration (hour, minute and second). Use up arrow or down arrow key to adjust the values when flashing.

**START:** Requires exact time when program is set to start. ie 10:54:00 am  
**STOP:** Length of time specifying how long the misting system should engage. For example 00:00:40 would indicate 40 sec.  
**WEEK:** Default setting for each program. Instead of executing the program any specific day, it will repeat every day of the week

### c. Set "P1":

When done setting "P0", press "SET" key once. Display will show "P1", which can now be configured using same method from above (2b). Continue pressing "SET" to set up programs for P2-P9 if need. Keep pressing SET until you cycle through all Programs and exit into main screen.



## Display:

When the system is idle, the left part of the screen displays current time. Right part of the screen shows the next programmed time to be executed (only hour and minute). If the next program start time is the same day as current clock it will display the start time with A or P (A=AM, P=PM, see picture E, F)



If the next program start time is not the same day as the current time shows, the display will show A or P like above but in addition will specify in how many days the program is scheduled, ie A1~A7 or P1~P7; for example: Current time is 4am, the next program starts 05:00 AM tomorrow, the display will indicate 5:00A1 (am, in 1 day, see picture G). If the next program starts tomorrow at 05:00PM, display will show 05:00P1 (pm, in 1 day, see picture H) A1 means AM of next day, P1 means PM of next day. A2, means AM in 2 days, etc.



## Tips:

**a) RAPID ADJUST:** While setting individual values, press and hold “up arrow” or “down arrow” for faster advancement of settings

**b) SAVE & EXIT:** When done modifying values press and hold “SET” key for 3 seconds to Save & Exit. Alternatively don't input anything for 15 seconds and timer will exit automatically saving and displaying the main screen.

**c) RESET:** In normal status press UP and DOWN arrows together for 5 seconds. Timer will reset to factory settings. Since no programs will be set the right part of the screen will show OFF.

### Quick-ON Function:

In normal status, press and hold up arrow key for 5 seconds to activate the quick-on function. While pressed the timer will activate allowing you to quickly bypass any timer settings and manually activate the misting system. Quick ON, does not affect any settings. When up arrow is released, timer resumes normal operation and misting stops.

### Energy-saving:

If there is no key activity on the ST-24 for approximately 10 minutes the LCD backlight automatically turns off. Pressing any key will reactivate the back light again.

MENU ITEM	Description	Settings Range
<b>MODE</b>	Specifies if timer is permanently ON, OFF or in AUTO. Only AUTO mode will follow set P0-P9 programs	AUTO / ON / OFF
<b>PROGRAM</b>	Selected Program	P0, P1, P2, P3, P4, P5, P6, P7, P8, P9
<b>WEEK</b>	Selected Day or the week in the configuration of the program or whole WEEK, repeated daily	Mon, Tue, Wed, Thu, Fri, Sat, Sun, Week
<b>START</b>	Specific time when a program should start	00:00:00 - 23:59:59
<b>STOP</b>	Duration misting system should be ON	Max Cycle length 12:59:59
<b>WEEK DATE</b>	Clock's day of the week	Mon, Tue, Wed, Thu, Fri, Sat, Sun
<b>CLOCK</b>	Internal Timer Clock. Based on current time precise DAY and NIGHT operation is possible	00:00:00 - 23:59:59

Go to [MistKing.com](http://MistKing.com) for more information on systems and parts

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