

Installation Manual

Version 2.1



www.sprinklermagician.com • 1-888-829-0893

Introduction

This is a new concept in pest control that works with existing irrigation (sprinkler) systems and automatically dispenses an environmentally friendly pesticide to all lawns and gardens, killing and repelling mosquitoes and other biting insects for up to a week.

The Sprinkler Magician system will work with any common residential irrigation system that uses a timer and separate 24 VAC valves like the system shown here.

The system operates on 110 – 120 volts AC, 120 watts. The power supply is UL listed, and all internal voltages are a safe 24 VAC.



The Sprinkler Magician system is designed to exclusively use Mosquito Magician concentrates. Other liquids will void the warranty.

This new model is now equipped with "Field Programmable" software which makes it fast and easy to configure the machine for different sized properties and types of irrigation system heads.

Note: There are different regulations in various areas that determine who can install systems such as this one. Please make sure you adhere to all regulations in the area that you are installing in. Some areas may require installers to be a licensed Irrigation Professional, for example.



The following pages show you how to install the Version 2.0 Sprinkler Magician system. Please follow this guide in sequence to allow for the easiest and most effective installation.

Contents

Preparing for the Installation	
What's in the Box?	5
Back Flow Prevention	
Two Types of Irrigation System Layouts	5-7
The Installation	
Planning out the Install	
Preparation	
Parts Checklist	
Tools Checklist	
Doing the Installation	
1. Mounting the Machine	
2. Seal the Screws	
3. Dig the Trench	
4. Run the Two Supplied 20 Feet Lengths of Irrigation Cable	
5-7. Making the Electrical Connections	
8. Connecting the Injection Point	
a. A Schedule 40 "T" Union	
b. Tapping Directly into the Main Water Pipe	
c. Saddle Valves	
Configuring the Machine	
Graphic of Controls	
1. Overview	
2. Configuring the Number of zones and the Modes of Ope	ration 17
3. Configuring the Number of Zones	
4. Choosing the best Mode of Operation for the machine	
5. Configuring the Mode of Operation	
Priming, Testing and Setting the Timer	
1. Priming	
2. Testing	
3. Setting the Timer	
4. Different Schedules	
Winterizing	
Troubleshooting Guide	21
Warranty	

Preparing for the Installation

What's in the Box?

In the box there are the following parts, please check that everything is included. If anything is missing please call us at: 1-888-829-0893.

- 1 x Sprinkler Magician system
- 20 feet injection tubing
- 2 x 20 feet 7 core irrigation wiring
- 1 x check valve for injection point
- 1 x 1/8" to 1/2" NPT adaptor
- 1 x 1/8" brass nipple
- 1 x spare 1 amp fuse
- 1 x key for door
- 1 x Installation Manual



Back Flow Prevention

In almost all areas irrigation systems are required to have a "Back Flow Prevention Valve" fitted to ensure that if the city loses water pressure, then water in people's irrigation systems cannot back flow into the city water supply—possibly contaminating the city water. When injecting chemicals into irrigation systems it is sometimes legally required that this valve is upgraded. Whether or not this is needed depends on the local county regulations, and whether the irrigation system uses potable water, well water or reclaimed water. <u>It's important that</u> <u>you observe the local plumbing regulations</u>.

Two Types of Irrigation System Layouts

There are two main ways that irrigation systems can be installed into residential and commercial properties. They are shown graphically below and will help you understand the system.

The standard system has all the irrigation valves conveniently located in one box (like the picture at right). In this case refer to the diagram below for a guide as to how to layout the Sprinkler Magician box, injection point, and electrical connection to the irrigation valves. If the valves are spread out around the property then refer to the second diagram called "Individual Valve Layout Irrigation System."





Standard Layout Irrigation System

This is the usual way that irrigation systems are laid out. With this layout, the irrigation valves are located in one valve box. Sprinkler Magician can be very easily fitted to this type of system.

To install, first mount (A) Sprinkler Magician to the side of the house where there is a

(B) **120v outlet**. The (C) injection point should be just downstream from the (D) backflow valve. The (E) electrical connection to the valves can be made right at the (F) valve box.



Individual Valve Layout Irrigation System

This is another typical way that irrigation systems might be laid out. With this layout, the irrigation valves are not located in one valve box, but are instead spread out around the property. Sprinkler Magician can still easily be fitted to this type of system.

To install, first mount the **(A) Sprinkler Magician** to the side of the house where there is a **(B) 120v outlet**. The **(C) injection point** should be just downstream from the **(D) backflow valve** and must be before the **(E) first irrigation valve** branches off. The electrical connection to the valves can be made at the **(G) irrigation timer**, or, if desired, separate wires can be run to each of the irrigation valves, but this involves trenching to each one.



Planning out the Install

When planning out the installation, look at the irrigation system layout from the viewpoint of what will be needed when fitting the system. For example find the best point to inject the concentrate so that it enters the water flow BEFORE the first irrigation valve.

Which zones of the irrigation system will you want to have the Sprinkler Magician treat? The system can be connected to up to 6 zones. Some properties have more than 6 zones but usually there are areas that are not necessary to treat, and remember that all zones that are treated will use concentrate—so it's best to think this through carefully to ensure concentrate is not wasted by applying it to areas that do not need pest control. Once the zones that will be used are selected, select the best place for the injection point (ensuring that it is upstream of all the irrigation valves).

Next determine where the best place will be to connect to the wiring going from the irrigation timer to the irrigation valves. Once this is done, you can then determine the best location for the Sprinkler Magician machine itself. It needs to be mounted to a wall, and there should be a 120 volt outlet nearby.

Note: Machines are supplied with up to 20 feet of injection tubing and electrical wire to connect to the irrigation valves. We can supply longer injection tubing if required, for a small additional charge.

The Installation

Preparation

Before you leave to do the installation, make sure you have all the equipment needed. Below is a checklist of what you will usually need. It may be helpful to check each off each thing as you pack your vehicle.

Note: None of the following is supplied with the machine.

Tools Checklist

- 1. Toolbox with all common tools.
- 2. Spade to dig trench.
- 3. Cordless drill with drill bits, hole saws, etc.
- 4. 1/8" NPT Tap (if <u>tapping</u> the injection point directly into the irrigation water entry pipe).

Parts Checklist

- 1. Bottles of Concentrate to initially fill the machine (At least 1 gallon).
- 2. Screws to mount box to house.
- 3. Silicone sealer.
- ½" conduit to protect wiring and tubing (not included but available at Home Depot or Lowes).
- 5. Irrigation valve box is sometimes needed if the injection point is underground (not included but available at Home Depot or Lowes).
- Pipe fittings to connect check valve to the irrigation system water entry pipe - either a saddle fitting, or "T" adapter. (Only if not tapping a thread directly into the irrigation water pipe – see section 8, page 15 for more on this).
- 7. Teflon tape sealer for pipe fittings.
- Any extra electrical cables or injection tubing needed for the installation (if the 20 feet length supplied with the system are not long enough).
- 9. Wire nuts (to connect to irrigation valves).
- 10. Cable ties (to tidy up wiring and tubing).
- 11. Clips to attach wire/tubing to the side of the house.

Doing the Installation

Note: When you arrive at the jobsite, it's always good to make sure that you have everything you need. It's good to mentally go through the whole job making sure that you have everything you need before you start.

1. Mounting the Machine to a wall using four # 6 screws. Use appropriate screws according to the material that the wall is made from—wood or masonry. Choose a height that is good for your customer so they can easily operate the system.

Tip: If desired the box can be painted to match the color of a house.

2. Seal the Screws with a small amount of silicone sealer to ensure water does not enter the enclosure.

3. Dig the Trench from the point where the pipes meet the ground to the irrigation valve. This will be for the electric cables that connect the Sprinkler Magician system to the irrigation valves allowing for control of the irrigation system. Note: this is not required if you make the connection at the irrigation timer instead of at the valve box.

4. Run the Two Supplied 20 Feet Lengths of Irrigation Cable from the Sprinkler Magician machine to the point where you want to connect to the existing irrigation wiring. This could be near the timer or at the irrigation valve box, depending on which is easier. It's best to run them inside a ½" piece of flexible conduit. Mark one cable "Valve" and the other "Timer" so you can identify them easily at both ends. Secure the cables and injection pipe to the wall using "P Clips" every foot or so.

4A. Run the injection pipe from the outlet of the pump through and outside of the Sprinkler Magician machine, and then all the way to where your injection point will be. (In section 8 you will connect the other end to the irrigation system.)









5. Making the Electrical Connection to the irrigation valves. The Sprinkler Magician system connects in between the irrigation timer and the irrigation valves. You can make the connection at the Irrigation Timer end or at the Valves – depending on which is easier for the layout of the Irrigation system. The signals from the irrigation timer (clock) need to be run to the Sprinkler Magician machine and then back down to the valves. (The signal runs from the Irrigation Timer through the Sprinkler Magician unit, and then to the Irrigation Valves)

Hot Wires - To connect the cables to the irrigation valve/timer end, undo the wire nut (or other connector) on the hot wire at each valve and connect them to the two sets of irrigation type cables that you ran to the Sprinkler Magician machine. (Alternatively, you can make the connection at the Irrigation Timer end) See diagram below for more details.

When you cut the hot wire to each valve, connect the color that corresponds to the order you want it to run in. For example (using our suggested colors), the zone that connects to the yellow wires (# 1 for our system), will be the first to operate when our system starts its treatment cycle. Then the orange for # 2, and so on. Remember the sequence that Sprinkler Magician operates the irrigation zones is NOT dependent on the sequence that the irrigation system operates when watering the plants, you can set it up to treat the zones in whatever order you prefer, using the wire color chart at right as your guide. Use as many of the wires as the number of zones you want to treat (maximum of 6). In the Configuration Section (on page 16) you will configure the machine to work with the number of zones you have connected to it. Wire Color Key Neutral – White Zone 1 – Yellow Zone 2 – Orange Zone 3 – Blue Zone 4 – Black Zone 5 – Green Zone 6 – Red

Neutral (Common) Wire - the Sprinkler Magician system simply taps onto the irrigation system neutral line. You DO NOT need to run it to the Sprinkler Magician machine and back again like for the individual irrigation valves. (use either of the two neutral connection points on the control panel).

The Sprinkler Magician system will not function at all if the neutral line is not connected.





Here is an example showing a fairly typical 2 zone irrigation system at the right.

Then below the diagram shows the wiring run when installing the Sprinkler Magician system.



Typical 2 zone Irrigation System electrical wiring diagram with Sprinkler Magician System connected



6. Once you have connected the two cables to the irrigation system (one to Timer end and the other to the Valves) as described above, you can now connect the other ends to the control panel of the Sprinkler Magician system. Start by removing the control panel as shown in (6).





Tip: Mount the panel upside-down with 2 screws as shown in (6a) to make it easy to connect the wires.

7. Then connect the cable that you connected to the IRRIGATION TIMER end to the connections on the circuit board marked "T" (for Timer). Do this for all zones that you connected into on Step 5 (could be any number from 1 to 6)





7.1 Next connect the cable that you connected to the IRRIGATION VALVE end to the connections on the circuit board marked "V" (for Valve). Do this for all zones that you connected into on Step 5 (could be any number from 1 to 6)

In the picture above at the right the completed wiring is shown for an installation using all 6 zones.

7.2 Setting the Zone Size—The size for each zone can be set to either SMALL or LARGE. Locate the small switches that are on the left side of the circuit board inside the control box, and set each active zone to SMALL or LARGE as shown. This will determine the amount of concentrate that is applied to the zone and also





how long the irrigation water is run to flush the pipes. In the example shown Zones 1-6 are all set to the LARGE position. *Note: see also the Configuration Section (on page 16) for more information about how to set these switches for best performance.*

7.3 Well Pump or Master Valve Connection (if needed) -

the Sprinkler Magician system is compatible with well pumps and master valve type systems. We provide a set of clean contacts that close when our system starts to operate and open when the whole pesticide treatment process has completed. They are located at the right hand edge of the circuit board as shown in the picture at right (see red circle). The two black lines show exactly which ones to use.

Well Pump - The contacts are low voltage and low current (2 amps) so they can directly switch a master valve but must never be used to directly control a well pump. An external contactor is normally used for this, and our system is designed to activate the contactor which then switches the main current



to the well pump. Trying to run a well pump directly through the contacts will burn out the relay or circuit board and void the warranty.

Master Valve – When connecting to a Master Valve the contacts on the Sprinkler Magician board should be run to the Irrigation Timer (shown in the picture below as the two RED wires but could be any color). Connect one wire to the "MV" connection along with the existing wire going to the Master Valve (1). Connect the other wire to the hot wire in the Irrigation Timer (2). Note: Some Irrigation Timers have a spare hot connection; the one shown below does not, so in this case connect to the hot coming from the Power Pack as shown below. When wired this way the Sprinkler Magician system will operate the Master Valve as well as the zone valves when it is running a treatment cycle.



7.4 Backup Battery—Locate the backup battery on the back of the circuit board and then move the link to the opposite position to enable the backup battery (this should be done at the time of installation to avoid running down the battery). If this is not enabled the system will lose its schedule memory in the event of a power outage.

7.5 Replace Control Panel—The control panel is now ready to be refitted. Replace it and secure with the 4 screws.

7.6 Connect to the Power—Now plug the machine into a standard 120 volt AC outlet. The system draws a maximum of 1 amp so any outlet will be suitable. The red POWER LED should come on and stay on permanently.







8. Connect the injection point into the irrigation water supply. There are several ways to make the connection; the point is that it must be upstream of all the irrigation valves that are being used by the system. (See also the section on Different Irrigation System Layouts). Once the best place has been identified, you can make the connection in several ways, each is described below. We supply a high quality check valve with system to make sure that irrigation water does not flow back into our machine, this should be fitted as close as possible to the injection point as shown at the right.

8a. A schedule 40 "T" union is an easy way to connect to the irrigation water supply. Simply cut the water pipe and cement in an appropriately sized "T" then use a reducer to drop the size down to that of our check valve, which is 1/8" NPT. We do not supply these with the machine, but they are readily available from Home Depot or Lowes.

8b. Tapping directly into the main water pipe is the best method if the pipe is under ground or if it is difficult to use a "T" union. Drill a 3/8" hole in the pipe and then cut a 1/8 NPT thread using a Tap like the one shown below. The Check Valve can then be screwed in, (seal with some thread tape). An irrigation valve box is cheap and useful to house an underground injection point, as shown in the right picture below.

This is a 1/8" NPT Tap used to form the thread



8c. Saddle valves are another easy solution; these are available from Home Depot or Lowes. Follow the instructions supplied with the valve. Note: You may need to adapt it to fit the 1/8" NPT fitting on the check valve.

Note: The machine is supplied with a check value and 2 adaptors. There is a 1/8" nipple used when tapping directly into an irrigation pipe and also 1/8" to 1/2" NPT adaptor used when connecting with a "T" union.



Important: For any of type of connection you will need to turn off the water supply to the irrigation system.

Configuring the Machine

Graphic of Controls



1. Overview—this model has the ability to work in one of 4 different modes. This allows the machine to be optimally configured to deliver the correct amount of concentrate for different sized properties and to run the irrigation zones for the correct amount of time so that all the concentrate is fully flushed through the lines and deposited on the plants and lawns. Also, in this section you will be able to configure the machine for the number of zones (1 – 6) that you wired it to work with.

Correct calibration and set up of the machine will produce the best pesticide application results, without over-applying concentrate needlessly resulting in waste and additional operating expense for the homeowner. Please follow these steps carefully, and call or email us if anything is unclear.

Firstly, fill the reservoir with at least 2 quarts of Mosquito Magician concentrate so that the Low Pesticide Fluid light will not be illuminated, which can make the configuration process confusing.

Note: The first time the reservoir is filled it will take approximately ½ gallon of concentrate to prime the system and fill the reservoir up to the point that the LOW PEST FLUID light goes out. This initial ½ gallon cannot be used as the system needs a reserve to ensure the pump does not ever run dry.

2. Configuring the Number of Zones and the Modes of Operation—Do these two procedures one at a time from start to finish, do not try to combine both # 3 and # 5 together.

3. Configuring the Number of Zones—the Sprinkler Magician machine can be configured to operate any number of irrigation zones from 1 - 6. It is important to configure the machine for the same number of zones that you physically wired it up for in step 7 of the installation section or the machine will not work correctly. To set the number of zones, follow the procedure as follows:

- 1. Turn POWER switch to OFF position
- 2. Press and Hold the OVERRIDE and PRIME for about 5 seconds, until the LOW PEST FLUID light flashes 5 times
- 3. Turn POWER switch to ON position (this enters the programming mode)
- 4. LOW PEST FLUID light flashes once to confirm
- 5. Push the PRIME button the number of times for the number of zones that you want the system to work with.
- 6. Each time you press the button the LOW PEST FLUID light flashes once
- 7. Press the OVERRIDE button once
- 8. Now the LOW PEST FLUID light will flash the number of times to confirm how many zones were programmed (1 6)
- 9. Turn POWER switch to OFF position to exit the programming mode
- 10. Turn POWER switch back to the ON position to resume operation of the machine.

See next page for diagrams



4. Choosing the Best Mode of Operation for the Machine—start by deciding if the property is small, medium, large or commercial in size. The best way to decide is to look at how big the zones are for the property in general, and then decide on the best Operational Mode. Later in this section shows how to configure the machine to run in the particular mode chosen.

Also, you can fine tune the parameters for each zone separately using the switches mentioned in section 7.2 of the Installation Section. These allow you to set the sizes of each zone as "Small" or "Large." In conjunction with the Operational Mode (1 - 4) that you select in this section, the machine will perform per the information in the chart below. Specially, it will deliver the amount of concentrate (in ounces), and run the zones for the times (in seconds) that relate to the settings chosen. The chart below shows how the machine behaves in the different modes:

Name of	Mode # for	Pesticide Ounces Delivered		Irrigation Zone Run Times	
Operational Mode	Programming	per Pesticide application cycle		(in seconds)	
		Small Zone	Large Zone	Small Zone	Large Zone
Small Residential	Mode 1	1.5	2.5	40	60
Medium Residential	Mode 2	2.0	3.0	45	70
Large Residential	Mode 3	2.5	3.5	50	80
Commercial	Mode 4	3.5	4.5	60	90

5. Configuring the Mode of Operation—the Sprinkler Magician machine can be configured to operate any number of Irrigation zones from 1 - 6. It is important to configure the machine for the same number of zones that you physically wired it up for in step 7 of the installation section or the machine will not work correctly. To set the number of zones, follow the procedure as follows:

- 1. Turn POWER switch to OFF position
- 2. Press and Hold the OVERRIDE and PRIME for about 5 seconds, until the LOW PEST FLUID light flashes 5 times
- 3. Turn POWER switch to ON position (this enters the programming mode)
- 4. LOW PEST FLUID light flashes once to confirm
- 5. Push the OVERRIDE button the number of times for the number that corresponds to the Mode of Operation that you want the system to use (See the second column in the chart above)
- 6. Each time you press the button the LOW PEST FLUID light flashes once
- 7. Press the PRIME button once

- 8. Now the LOW PEST FLUID light will flash the number of times to confirm which Mode you selected (1-4)
- 9. Turn POWER switch to OFF position to exit the programming mode
- 10. Turn POWER switch back to the ON position to resume operation of the machine.



When the installation is complete the following steps need to be taken to set the system up.

1. Priming—Leave the irrigation water supply turned off when doing this step. Turn the PESTICIDE switch to the ON position (1a), and then press the PRIME button on the machine (1b) until the liquid has passed through the pump and all the way through the check valve. This will take 20 – 40 seconds and only needs to be done once. *Note: The machine has a low level switch that will prevent it from sucking in air if it gets too low on concentrate.*



The irrigation system water supply can now be turned back on.

2. Testing—To test the system simply press the OVERRIDE button, this will immediately start a treatment cycle. <u>The LOW PEST FLUID light comes on solid to indicate that the cycle is running</u>, and the system will cycle through each zone by turning on the irrigation water, while injecting the concentrate into the water stream. It will continue to run the water for 45 - 60 seconds to push it through the lines and onto the foliage. It will repeat this for all active zones and then shut off.



Tip: you can cancel the treatment cycle midway by turning the Pesticide switch from ON to OFF. If it is in the OFF position, turn it to ON and then back to OFF to cancel the cycle.

3. Setting the Timer—To set a new time of day for the system to run its pesticide applications follow this procedure. At the time of day when you want it to run, turn the POWER switch OFF (3a), then press and hold the OVERRIDE and PRIME buttons simultaneously for 5 seconds (3b). The new time will be set and the LOW PEST FLUID light will flash rapidly 5 times to confirm that the new time has been entered. Turn the POWER

switch back ON (3c), OFF (3d), and then finally back ON (3e), to resume normal operation. The system is now ready to run on its new time. You do need to do this at the time of day that you want the machine to perform its pesticide treatment. You only need to do this once, but you can change the time by repeating the procedure any time you desire.

4. Different Schedules—There is the option to have the system run either daily, every 2 days, twice a week, or weekly (once a week). How often you chose to run the system depends on your local conditions, the amount of mosquitos in your area, as well as the amount of rainfall at the time. You can change the setting any time you want—bear in mind that the system will use a given amount of concentrate every time it runs, so changing from every 2 days, to daily treatments, will use double the amount of concentrate used, etc.



Winterizing

The Sprinkler Magician system can easily be winterized. To winterize the system follow the steps below:

- 1. Remove the electrical connectors for the float switch taking care to only pull on the two red plastic connectors never pull on the wires themselves.
- 2. Push on the blue ring and remove the pump pick up tube from the reservoir
- 3. Remove the reservoir from the machine.
- 4. Next turn off the Irrigation system water supply and bleed down pressure in the system by turning on one of the zones.
- 5. Now take the pipe that you removed from the reservoir and blow through it with compressed air (at least 100 PSI) to clear the lines and pump of all liquids. This will now be in the irrigation piping
- 6. Lastly, blow out the Irrigation system piping as you normally would to winterize the Irrigation system.
- 7. When you are done remove the reservoir from the machine and store it in a place not subject to freezing temperatures









Troubleshooting Guide

Here is a list of common questions, if this does not resolve your issue then please call us.

1. The System Doesn't Work at All—Firstly, check that you have a live power outlet. If it's live, then check to see if the Power LED is on. If not check the fuse inside the control unit box. If it is blown then call us for help. The fuse is a common 5 amp automotive type glass fuse. Next, check to see that the LOW PEST FLUID light is on. If so, add more concentrate until it turns off, and then try the machine again.

2. I Can't Prime the System—Make sure that the water to the irrigation system is turned OFF, the system

will not prime properly if the Irrigation system water supply is turned on.

3. The Pump Works but the Irrigation System Does Not Operate at the Same Time—Check the fuse under the control box, if it is blown then there must be an error in the way the system has been connected to the irrigation system wiring. Go through the wiring, find and fix the error. When certain all wiring is correct, then replace the fuse and re-test. (A spare 1 amp fuse is supplied with the system)



4. Some zones don't work—The Sprinkler Magician machine is capable of activating and treating up to 6 zones. The number the machine is configured

for (between 1 and 6) needs to be the same as the number of zones it is electrically connected to. Recheck that you have connected the correct wires from the machine to the correct zones in the irrigation system. Then check that the machine has been configured (see Configuration section on page 16), to work with the same number of Irrigation zones.

5. It Hasn't Got Rid of All the Mosquitoes— there are a lot of things that affect the effectiveness of the system, here is a checklist to go through:

- **A.** Check for standing water around the property and any other damp places where mosquitoes can breed.
- **B.** Make sure you are using Mosquito Magician concentrate. It is extremely concentrated and is the only concentrate that will work correctly with the system. (Also, the warranty is voided if other concentrates are used)
- **C. Check that the system is delivering concentrate** to all the areas (zones) that have a mosquito issue. You will be able to smell it by walking around the property after the system has just run a treatment cycle.
- **D.** Check that the irrigation spray heads are all operative and not jammed or partially blocked.
- **E.** Check that you have the zone sizes (Small / Large) correctly configured for each zone so that the system is delivering the right amount of concentrate to each zone.
- **F. Check that the system is being run frequently enough** for the local conditions, amount of rainfall, and severity of the mosquito problem. The schedule can be changed at any time between weekly, twice a week, every 2 days, and daily.
- **G.** If all the above points are okay, please call us for further assistance.

Limited Warranty

Sprinkler Magician LLC warrants to the original purchaser only, that this product is free from defects in workmanship and materials. This applies for a period of one year after the date of purchase. The warranty is voided if the customer uses concentrates other than those supplied by Sprinkler Magician.

What the Limited Warranty Does Not Cover

This limited product warranty does not cover product misuse, improper installation, modification, alteration, impact, accident, and physical damage that are not the result from any defects in workmanship and materials. Physical damage of the product voids this limited warranty.

What We Will Do To Correct Problems

Within 30 days of receipt of product and proof of purchase, Sprinkler Magician will inspect the product to determine the existence of any defect in workmanship and materials. If Sprinkler Magician discovers a defect in workmanship and materials then Sprinkler Magician will, at our sole option, either replace or repair the product.

How You Can Get Service for a Warranty Claim

A Returned Merchandise Authorization (RMA) number is required for all returns. In order to submit a claim under this limited product warranty, you must obtain a Returned Merchandise Authorization (RMA) number from Sprinkler Magician; provide Sprinkler Magician with proof of purchase and the product. You are responsible for all shipping charges and the payment of such charges to return the product to Sprinkler Magician. You can email <u>info@sprinklermagician.com</u> for a RMA number and other warranty claim information.

Disclaimers

Implied warranties including that of merchantability and fitness for a particular purpose are expressly limited to the duration of this limited warranty. Under no circumstances shall we be liable to purchaser or any other person for any special or consequential damages whether arising out of breach of warranty, breach of contract, tort, indemnity, contribution, or otherwise. We do not warrant or guarantee that the product is in compliance with your state's/province's ordinances.

How State/Province Law Applies to the Limited Warranty and Disclaimer

Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. You may also have other rights which vary from state/province to state/province.

Thank you for purchasing this product, if you have any questions please call: 1-888-829-0893 or email: peter@sprinklermagician.com

Sprinkler Magician LLC,

CEO

Peter Olt

