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Reddit and its partners use cookies and similar technologies to provide you with a better experience. By accepting all cookies, you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. By rejecting non-essential cookies, Reddit may still use certain cookies to ensure the proper functionality of our platform. For more information, please see our Cookie Notice and our Privacy Policy. Orbit sprinkler valves play a crucial role in your irrigation system. They control water flow to your lawn and garden. Problems with these valves can affect your entire sprinkler system. Understanding common issues and fixing them ensures your system works smoothly. This guide will help you troubleshoot and resolve problems with your Orbit sprinkler valves. From leaks to electrical issues, we will cover it all. Whether you're a seasoned gardener or a beginner, this information will be useful. Keep your garden lush and green by keeping your sprinkler system in top shape. Let's dive into the details and get your Orbit sprinkler valves working perfectly again. Credit: www.youtube.com Having trouble with your Orbit sprinkler valve can be frustrating. Knowing the common symptoms can help you fix the problem quickly. This section will cover two main issues: sprinklers not turning on and sprinklers not shutting off.Sprinkler Not Turning OnIf your sprinkler does not turn on, it could be due to several reasons. First, check the power supply to the valve. Ensure the timer is working correctly. Sometimes, a simple reset can solve the issue. Next, inspect the wiring connections. Loose wires can prevent the valve from receiving signals. Also, check the valve for any dirt or debris. This can block the water flow. Cleaning the valve might fix the problem.Sprinkler Not Shutting OffAnother common issue is the sprinkler not shutting off. This can waste a lot of water. First, check the timer settings. An incorrect schedule can cause continuous watering. Next, inspect the valve diaphragm. A damaged diaphragm can cause the valve to stay open. Replacing it might solve the problem. Also, check for any debris inside the valve. Dirt can prevent the valve from closing properly. Cleaning the valve can often fix this issue. Troubleshooting an Orbit sprinkler valve requires the right tools. Having these tools on hand ensures a smooth process. You need basic and specialized tools. This guide will help you gather the necessary tools to fix your sprinkler system efficiently.Basic ToolsStart with a few basic tools. A screwdriver set is essential. Different screws may be used in the valve assembly. Pliers are useful for gripping and turning small parts. A multimeter helps check electrical connections. Make sure it measures voltage, current, and resistance. A small flashlight is also handy. It helps you see in tight or dark spaces.Specialized ToolsSome problems need specialized tools. A solenoid tester is a good investment. It checks if the solenoid is working properly. A wire stripper will help you handle electrical wires safely. Sometimes you need a valve key. It turns off the water supply to the valve. A pressure gauge measures water pressure in the system. This ensures everything runs smoothly. Having issues with your Orbit sprinkler system? It may be due to a power supply problem. Ensuring that your sprinkler valve has the correct power supply is crucial for its operation. Let's dive into how you can check the power supply.Inspecting The WiringFirst, examine the wiring connected to the valve. Look for any visible damage or wear. Broken or frayed wires can disrupt the power flow. Ensure all wire connections are secure. Loose wires can cause the valve to malfunction.Use a multimeter to check the voltage. The reading should be around 24 volts. If the voltage is incorrect, there might be an issue with the wiring. Replace any damaged wires to restore proper power supply.Testing The TransformerNext, test the transformer that supplies power to the valve. The transformer converts high voltage to a lower voltage suitable for the sprinkler system. Locate the transformer near the controller box. Use a multimeter to measure the voltage output.The output should be consistent with the system's requirements, typically 24 volts. If the transformer output is incorrect, it may need replacement. Ensure the transformer is properly plugged in and receiving power from the outlet. Inspecting the solenoid is crucial for maintaining your Orbit sprinkler system. The solenoid acts as an electromagnet, opening and closing valves to control water flow. Over time, it can wear out or become damaged. This can lead to inefficient irrigation. Identifying and resolving solenoid issues can save water and ensure a lush, green lawn.Solenoid Malfunction SignsRecognizing the signs of a faulty solenoid is the first step in troubleshooting. Here are some common indicators: Water Leaks: If water leaks even when the system is off, the solenoid might be stuck open. No Water Flow: If no water flows to the sprinkler heads, the solenoid might be stuck closed. Buzzing Noise: A buzzing sound from the valve box suggests the solenoid is struggling to operate. Electrical Issues: If the controller displays an error, the solenoid may be shorted or disconnected. Replacing A Faulty SolenoidIf you suspect the solenoid is faulty, replacing it is straightforward. Follow these steps: Turn Off Water Supply: Shut off the main water supply to the sprinkler system. Disconnect Wires: Carefully disconnect the wires connected to the solenoid. Remove the Solenoid: Unscrew the faulty solenoid from the valve. Install the New Solenoid: Screw in the new solenoid and hand-tighten it. Reconnect Wires: Attach the wires to the new solenoid, matching wire colors. Turn On Water Supply: Open the main water supply and test the system. By following these steps, you can restore your sprinkler system's functionality. Regular inspection and maintenance ensure long-lasting performance. Cleaning the valve is essential for maintaining your Orbit sprinkler system. Dirt and debris can cause the valve to malfunction. Regular cleaning helps ensure the system operates smoothly.Removing DebrisTo start, turn off the water supply. This prevents any accidents while you clean. Use a screwdriver to remove the screws from the valve cover. Carefully lift the cover to expose the internal parts.Check for any visible debris inside the valve. Use a soft brush or cloth to remove dirt and grime. For stubborn debris, use a mild soap and water solution. Avoid harsh chemicals that may damage the valve parts.Reassembling The ValveOnce clean, inspect the parts for wear or damage. Replace any worn-out parts to ensure proper functioning. Reassemble the valve by placing the internal parts back in their original positions.Secure the valve cover with the screws you removed earlier. Make sure the cover is tight to prevent any leaks. Turn the water supply back on and check the valve for proper operation. Credit: www.reddit.com Low water pressure in your Orbit sprinkler system can be frustrating. It affects the efficiency of your lawn watering. Understanding the root cause is key to fixing it. This section covers easy steps to address low water pressure. Follow these tips to ensure your system runs smoothly.Checking For ClogsFirst, check the sprinkler heads for clogs. Dirt and debris can block the water flow. Remove the sprinkler heads and inspect them. Clean any blockages using a small brush or a toothpick. Also, check the filter screens. Clean them if they are dirty. This simple step can often restore normal water pressure.Adjusting Water FlowNext, adjust the water flow on your sprinkler valve. Locate the flow control knob on the valve. Turn it clockwise to increase the water pressure. Be careful not to over-tighten it. Check your system after adjusting. Make sure the pressure is adequate and even across all zones. Fixing leaks in your Orbit sprinkler valve system ensures efficient water usage. Leaks can lead to water waste and increased bills. Addressing these issues promptly is crucial. This guide will help you identify and repair leaks effectively. Identifying Leak Sources First, check the sprinkler valve box for standing water. This indicates a leak. Inspect the valve connections and look for wet spots. These spots can signal a leak in the piping or fittings. Pay attention to areas around the solenoid and anti-siphon valve. Next, turn on the sprinkler system and observe. Leaks may appear as small sprays or drips. Note the location and intensity of these leaks. Identifying the source is the first step to fixing it. Repair Techniques Once you identify the leak, turn off the water supply. This prevents further water loss. If the leak is at a joint, tighten the fittings. Use a wrench to secure them properly. If the fitting is cracked, replace it with a new one. For leaks in the valve box, consider replacing the O-rings. O-rings can wear out over time. Remove the old ones and install new O-rings. This often stops the leak. If the solenoid is leaking, check for debris. Clean the solenoid and reassemble it. In some cases, you might need to replace the solenoid. Ensure all parts are clean and properly aligned. For pipe leaks, use a pipe repair clamp. Position the clamp over the leak and tighten it. This provides a quick fix until you can replace the damaged section. Maintaining your Orbit sprinkler valve is essential for a lush, green lawn. Regular care ensures that your sprinkler system works efficiently, saving you time and money. Below are some preventative maintenance tips to keep your sprinkler valve in top shape.Regular InspectionsInspect your sprinkler valve every month. Look for signs of wear, tear, or damage. Check for leaks around the valve and the connections. A small leak can waste water and increase your bill. Ensure the valve box is free of debris. Check the wiring for any signs of corrosion. Listen for unusual noises when the valve is operating. Regular inspections help you catch issues early. This saves you from costly repairs later.Seasonal MaintenancePerform seasonal maintenance to ensure your sprinkler system runs smoothly all year. Follow these simple steps: Season Maintenance Task Spring Check for winter damage. Clean the valve box. Summer Inspect for leaks. Test the valve operation. Fall Winterize the system. Drain the water lines. In spring, ensure the valve and pipes are intact. Clean any dirt or debris from the valve box. During summer, inspect for leaks and ensure the valve operates correctly. In fall, prepare your system for winter. Drain water lines to avoid freezing and damage.By following these preventative maintenance tips, you can extend the life of your Orbit sprinkler valve. A well-maintained system ensures your lawn remains healthy and green. Credit: diy.stackexchange.com A bad valve may cause leaks or no water flow. Check for unusual noises or stuck valves. Check if the power source is connected. Inspect the wiring and ensure the timer is set correctly. Turn the solenoid (small black cap) counterclockwise to manually open the valve for testing. Leaking can be caused by dirt or debris in the valve, worn-out seals, or a damaged diaphragm. Shut off the water supply. Remove the valve cover and clean any debris inside with a soft brush. Fixing Orbit sprinkler valve issues can seem tough, but it's doable. Follow the steps and solutions shared above. Stay patient and check each part carefully. Regular maintenance helps prevent future problems. A well-functioning sprinkler system keeps your lawn green and healthy. Keep learning and practicing your troubleshooting skills. Your garden will thank you for it! Orbit Irrigation systems help keep your garden lush and green. But, like any system, they can have issues. In this guide, we'll walk you through common problems with Orbit Irrigation and how to fix them. You'll learn to identify issues quickly and apply simple solutions. From water flow problems to timer malfunctions, this guide covers it all. Understanding these fixes can save you time and money. Whether you're a beginner or an experienced gardener, this guide is for you. Keep your irrigation system running smoothly and your garden thriving. Let's dive into the troubleshooting process and get your system back on track. Credit: gilawnsprinkler.com Is your Orbit irrigation system not turning on? This can be frustrating. There are simple steps you can take to diagnose and fix the issue. Read on to learn how to troubleshoot your system effectively. Check Power Supply First, ensure your system has power. Check the outlet for power. Plug another device into the same outlet to test. If the outlet works, move to the next step. If not, reset your circuit breaker. Sometimes, the outlet may be faulty. Inspect the power cord. Look for any visible damage. Replace it if you find any issues. Ensure the power cord is firmly connected to the control panel. Inspect Control Panel Settings Next, check the control panel settings. Ensure the system is set to "on." Verify that the correct time and date are set. Incorrect settings can prevent the system from running. Look at the programming. Ensure the start times and zones are correctly set. Sometimes, a simple programming error can stop the system from activating. Reset the control panel if needed. Follow the user manual for specific instructions. If these steps do not resolve the issue, consult a professional. Your system may need further inspection or repair. Experiencing low water pressure in your irrigation system can be frustrating. This issue can lead to uneven watering, affecting your lawn or garden's health. Understanding the root causes and solutions can help you maintain a lush, green landscape.Examine Water SourceThe first step in troubleshooting low water pressure is to examine the water source. Ensure that the main water supply valve is fully open. A partially closed valve can restrict water flow, leading to low pressure. Verify that the water supply is sufficient to meet the irrigation system's demands.Check if other water fixtures in your home are using water simultaneously. Multiple water uses can reduce pressure to your irrigation system. Try scheduling irrigation during times of low household water use.Clean Clogged FiltersAnother common cause of low water pressure is clogged filters. Filters prevent debris from entering the irrigation system but can become blocked over time. Regular cleaning is essential to maintain optimal water flow.To clean the filters: Turn off the water supply. Locate the filter, usually found near the valve box or sprinkler heads. Remove the filter and rinse it under running water. Use a soft brush to remove stubborn debris. Reinstall the filter and turn the water supply back on. Inspect and clean the filters regularly to prevent future blockages.By following these steps, you can address low water pressure issues effectively. Regular maintenance ensures your irrigation system operates smoothly and efficiently. Sprinkler heads that fail to rotate can affect your lawn's water coverage. This issue often leads to dry patches. It is essential to troubleshoot and fix it quickly. Several factors can cause sprinkler heads to stop rotating. This guide will help you identify and resolve these problems.Lubricate Moving PartsLubrication can solve many rotation issues. Sprinkler heads have moving parts that can become stiff. Dirt and debris can make them stick. Clean the sprinkler head first. Use a cloth to remove any visible dirt. Then, apply a silicone-based lubricant. This type of lubricant is safe for plastic parts. Rotate the head manually to distribute the lubricant. Check if it moves freely now. Regular maintenance can prevent future issues.Replace Damaged HeadsSometimes, sprinkler heads are too damaged to repair. Inspect the head for cracks or breaks. Damaged gears inside can also cause rotation problems. If you find any damage, replace the sprinkler head. Purchase a replacement that matches your system. Turn off the water supply before removing the old head. Unscrew it carefully to avoid damaging the pipe. Install the new head by screwing it in place. Turn the water supply back on. Test the new head to ensure it rotates correctly. Credit: www.orbitonline.com Uneven water distribution can turn your lush garden into a patchy mess. If some areas of your lawn are dry while others are soaked, it's time to troubleshoot. Understanding the root cause can save water and keep your garden green.Adjust Spray PatternsCheck the spray patterns of your sprinklers. They should cover the area evenly. Rotate the nozzle to ensure all parts get water. Sometimes, debris clogs the nozzle. Clean it to restore proper spray.Ensure Proper Head PlacementSprinkler heads must be at the right height. Too low and water won't reach everywhere. Too high and it may overshoot. Adjust the heads to an even level. Check the spacing. Heads too close together or too far apart can cause issues. Leaking valves in your Orbit irrigation system can lead to water wastage and increased utility bills. Identifying and fixing these leaks ensures your system runs efficiently. Below are some essential steps to help you troubleshoot and resolve leaking valves. Tighten Loose Connections Loose connections are a common cause of leaks. Carefully check all connections in your system. Inspect each valve connection for any signs of looseness. Use a wrench to gently tighten any loose fittings. Avoid over-tightening, which can damage the components. If tightening the connections does not stop the leak, you may need to replace faulty parts. Replace Faulty Valve Components Sometimes, valve components wear out and need replacement. This often resolves persistent leaks. Shut off the water supply to the irrigation system. Carefully disassemble the valve using appropriate tools. Inspect the diaphragm, solenoid, and other internal parts. Replace any damaged or worn-out components with new parts. Reassemble the valve and restore the water supply. Check for leaks once the system is reassembled. If the problem persists, consult a professional. Credit: www.amazon.com Timer issues can disrupt your irrigation schedule. It's crucial to address them promptly. This guide will help you troubleshoot common timer problems. You will learn how to reset the timer and replace the battery.Reset TimerIf your timer isn't working, reset it first. Unplug the timer from the power source. Wait for at least 30 seconds. Plug it back in. This simple step can fix many issues. If it doesn't work, try resetting it manually. Follow the instructions in your timer's manual. Each model has different steps. Resetting can clear any temporary glitches.Replace BatterySometimes, a dead battery causes timer issues. Locate the battery compartment. Open it carefully. Remove the old battery. Replace it with a new one. Make sure the new battery is the correct type. Check your timer's manual for details. After replacing, test the timer. Ensure it functions properly. Replacing the battery can solve many power-related problems. Proper seasonal maintenance keeps your Orbit Irrigation system running smoothly. Follow these tips for winterizing and starting up your system each spring.Winterizing Your SystemPrepare your system for winter to avoid damage from freezing temperatures. Shut off the water supply: Turn off the main valve to stop water flow. Drain the system: Open all the valves to let the water drain out. Blow out the lines: Use an air compressor to remove any remaining water. Insulate exposed parts: Cover above-ground pipes and backflow preventers with insulation. These steps protect your system during winter and ensure a smooth restart in spring.Spring Startup ProceduresGet your irrigation system ready for the growing season with these steps. Inspect the system: Check for any visible damage or leaks. Turn on the water supply: Slowly open the main valve to avoid pressure surges. Test each zone: Run each zone to ensure sprinklers are working correctly. Clean and adjust sprinklers: Remove debris and adjust spray patterns as needed. Check the controller: Ensure the timer and settings are correct for the season. Following these procedures helps your system run efficiently and keeps your lawn healthy. Orbit irrigation systems are reliable, but problems arise. While many issues can be fixed with basic troubleshooting, some situations require professional help. Knowing when to call a technician can save time and prevent further damage.Identifying Complex ProblemsSome problems are easy to fix, like adjusting a sprinkler head. Others are more complex and need expert attention. Here are signs you need a professional: Inconsistent Watering: If your system waters unevenly, it may be a pressure problem. Electrical Issues: Issues with timers or control panels often need specialized tools. Persistent Leaks: If leaks persist after basic fixes, there might be underground pipe damage. System Not Turning On: This could be due to complex wiring issues. Finding A Qualified TechnicianOnce you've identified the need for professional help, find a qualified technician. Here's how: Check Credentials: Ensure they are licensed and insured. Read Reviews: Look for customer feedback on their services. Get Quotes: Compare prices and services offered by different technicians. Ask for References: Contact previous clients to gauge their satisfaction. Finding the right professional ensures your Orbit irrigation system works efficiently. This saves you time and money in the long run. Check for clogged filters and clean them. Ensure valves are fully open. Inspect for leaks in pipes. Inspect the nozzle for debris. Clean it if necessary. Check for sufficient water pressure. Press the reset button on the timer. Refer to the manual for specific instructions. Worn-out seals or damaged parts. Inspect and replace any faulty components to stop the leakage. Check the power supply. Ensure the timer is set correctly. Inspect wiring and connections for issues. Solving issues with your Orbit irrigation system can be straightforward. Follow this guide, and you'll likely fix most problems. Regular maintenance helps prevent future issues. Check connections and clean filters often. Replace worn parts promptly. A well-maintained system ensures your lawn stays green and healthy. If problems persist, consider contacting a professional. Proper irrigation saves water and keeps your garden thriving. Happy gardening! Keeping your lawn healthy and vibrant requires a well-functioning sprinkler system. An Orbit sprinkler system, known for its reliability and user-friendliness, can sometimes need a reset. Understanding how to reset your Orbit system can save you time, water, and frustration when encountering unexpected issues. Overview This guide will walk you through the process of resetting your Orbit sprinkler system. We'll cover the common reasons why a reset might be necessary, the different types of Orbit systems, and the step-by-step instructions for resetting each type. Whether you're dealing with a malfunctioning timer, a skipped watering cycle, or simply want to start fresh, this guide will provide you with the knowledge and confidence to reset your Orbit sprinkler system effectively. ## How To Reset An Orbit Sprinkler System Orbit sprinkler systems are known for their reliability and ease of use, but like any complex system, they can sometimes require a reset. Whether your sprinkler system isn't turning on, isn't watering correctly, or you've made changes to your system's settings, knowing how to reset your Orbit sprinkler system can save you time, water, and frustration. This comprehensive guide will walk you through the process of resetting your Orbit sprinkler system, covering various scenarios and troubleshooting tips. Understanding Why You Need to Reset Your Orbit Sprinkler System Before diving into the reset process, it's helpful to understand why you might need to reset your Orbit sprinkler system in the first place. Some common reasons include: * **Power Outage:** A power outage can disrupt your sprinkler system's programming and require a reset to restore normal operation. * **Manual Override:** If you've manually overridden your sprinkler system's settings, a reset will return it to its original schedule. * **System Malfunction:** Occasionally, your Orbit sprinkler system may experience a temporary glitch or malfunction that requires a reset to resolve. * **Changes to Watering Schedule:** If you've adjusted your watering schedule, a reset ensures the new settings are properly applied. * **Installation Issues:** During initial installation, a reset may be necessary to ensure all components are communicating correctly. Resetting Your Orbit Sprinkler System: A Step-by-Step Guide The exact reset procedure for your Orbit sprinkler system will depend on the specific model you have. However, the general steps outlined below apply to most Orbit controllers. (See Also: Why Are All My Sprinkler Heads Leaking) 1. Locate Your Orbit Controller The Orbit controller is the brain of your sprinkler system, typically located near your main water supply or in a convenient indoor location. It houses the programming panel and controls the operation of your sprinklers. 2. Turn Off the Power Supply Before making any adjustments to your Orbit sprinkler system, it's crucial to turn off the power supply to the controller. This prevents accidental activation of the system and ensures your safety. The power source is usually a dedicated circuit breaker in your electrical panel. 3. Access the Programming Panel Once the power is off, locate the programming panel on your Orbit controller. This panel typically features buttons, a display screen, and a set of instructions. 4. Consult Your Owner's Manual Your Orbit sprinkler system's owner's manual will provide specific instructions for resetting your controller. Refer to the manual for detailed guidance on navigating the programming panel and performing the reset procedure. 5. Follow the Reset Instructions The reset instructions will usually involve a combination of button presses and selections on the programming panel. Common steps may include: * Pressing and holding a specific button for a few seconds. * Selecting a "Reset" or "Restore Defaults" option from the menu. * Entering a specific code or sequence of numbers. 6. Turn the Power Back On After completing the reset procedure, turn the power supply back on to your Orbit controller. (See Also: How To Find Sprinkler Lines Without Digging Youtube) 7. Test Your Sprinkler System Run your sprinkler system through a complete cycle to ensure it is functioning correctly. Observe the operation of each zone and make any necessary adjustments to the watering schedule or settings. Troubleshooting Common Orbit Sprinkler System Reset Issues If you encounter any difficulties resetting your Orbit sprinkler system, here are some common troubleshooting tips: * **Check the Power Supply:** Ensure the power supply to your controller is properly connected and functioning. * **Inspect the Batteries:** If your controller uses batteries, make sure they are fresh and properly installed. * **Read the Error Messages:** If your controller displays any error messages, refer to the owner's manual for their meaning and potential solutions. * **Contact Orbit Customer Support:** If you are unable to resolve the issue yourself, contact Orbit customer support for assistance. They can provide personalized guidance and support based on your specific model and problem. Recap of Key Points Resetting your Orbit sprinkler system is a relatively straightforward process that can often resolve common issues. By following the step-by-step instructions outlined in this guide, you can effectively reset your controller and restore your system to optimal operation. Remember to always consult your owner's manual for specific model instructions and troubleshooting tips. Understanding the reasons for resetting your system and being familiar with the basic troubleshooting steps can empower you to maintain a well-functioning and efficient Orbit sprinkler system. Frequently Asked Questions: Orbit Sprinkler System Reset How do I reset my Orbit sprinkler timer? To reset your Orbit sprinkler timer, locate the "Reset" button on the control panel. Press and hold this button for a few seconds until the display clears and the timer returns to its default settings. (See Also: How To Find Your Sprinkler Heads) What if my Orbit sprinkler system won't turn on after resetting? If your Orbit sprinkler system doesn't turn on after resetting, first ensure the water supply valve to the system is fully open. Check for any tripped circuit breakers or blown fuses related to the sprinkler system. Also, inspect the wiring connections for any loose or damaged wires. Can I reset my Orbit sprinkler system without losing my watering schedule? Unfortunately, a full reset will usually erase your saved watering schedule. You'll need to reprogram the system after resetting it. However, some Orbit models might have a "reset to factory defaults" option that doesn't erase your schedule. Refer to your specific model's manual for details. How often should I reset my Orbit sprinkler system? There's no set schedule for resetting your Orbit sprinkler system. It's generally recommended to reset it if you experience any issues with its operation, or if you want to make significant changes to your watering schedule. What happens if I don't reset my Orbit sprinkler system? Not resetting your Orbit sprinkler system won't necessarily cause any harm. However, if you encounter problems like inconsistent watering or unexpected shut-offs, resetting the system might resolve the issue. Before you try to fix your sprinkler timer, there are a few basic things you should check first. Look at all the screws that hold wires in place – are they tight? Then check if any wires look loose. If something's not working, try moving its wire to a different slot on the timer to see if that helps. First, you need to know exactly which Orbit timer you own. Look for a model number – you can usually find it right on the timer box or in the manual that came with it. Knowing your model is really helpful if you need to look up specific fixing tips or call for help. Before you start poking around your timer, here are some important safety tips: Always turn off the power first Wear gloves to protect your hands Put on safety glasses to protect your eyes Be careful when touching any wires Make sure your timer is getting power – check if it's plugged in properly and if the outlet works Look at all the wires – are they connected right? Do any look broken? Test if your sprinkler valve works by turning it on and off by hand There can be a few different possible causes when this issue occurs. First, we need to be sure the sprinkler wire from the valve(s) is fully inserted in the terminal. You will want to remove the wire and reinsert it. If your terminal uses screws, please make sure they're tightened. To ensure the wiring is well seated, try lightly tugging on the wire. If this issue is only affecting one valve/terminal, try moving the sprinkler wire from that terminal to one of the others and test using that terminal to see if it works normally. If you continue to experience an issue with the valves/sprinklers not running, you'll want to make sure that your water is turned on. If you have a master valve, manually open that and then try running the device again If you have a pump, make sure that is activating and allowing the water to flow through Manually open a valve to check water flow If your water is on, we'll need to check the voltage at the device using a voltmeter. The B-hyve device will send out 24 volts AC, so you'll need to set your meter to AC volts. 1. Turn on the problematic station or if there's more than one, turn on a manual cycle for any of them 2. Insert one prong of the voltmeter into the common terminal, and the other into the station you're manually running. Ensure the wires are inserted in the terminal when completing this step. You should get 24-30 volts AC. 3. Repeat for any other affected stations If your timer is sending the correct voltage out, you will want to test the voltage at the valve. 1. Make sure your timer is still running a manual cycle 2. Locate your valve box in your yard and identify the station that's running 3. Attach the prongs of your voltmeter to the two wires coming off of the valve and you should get 24-30 volts AC. If the voltage is getting to the valves, it may be defective. Check the manufacturer's manual for the valve for steps to troubleshoot the issue. Devices Covered: 57894, 57896, 57899, 57900, 27894, 27896, 27892, 27999, 91894, 91896, 91892, 91899, 28588, 28566, 28568, 57567, 57594, 28954, 28956, 57854, 57856, 57874, 57876, 57016, 57096, 57586, 57592, 91006, 57946, 57950, 04080, 04082, 57915, 57925, 57985, 57995, 04060 Back to Support pageTags: B-hyve, Pump, Troubleshooting, Underground Timer, Valve, Voltage, Wiring Various Orbit Watermaster Sprinkler timers are available in the market, each with varying features and controls.However, the approaches for handling common problems with these devices are similar and not model-specific.If you are having trouble with your Orbit Watermaster timer, you can try to resolve it by performing the troubleshooting steps below.The steps will help you avoid clogging your yard.Check the programming settings and adjust them on the control panel if one or more stations are not turning on. There are varying programming settings for different models.Most models have the option to adjust cycle start times, watering days, watering intervals, and station duration, among other things.Check the ground sprinkler controls valves if some stations aren't working.Ensure the valves are turned on.Check your timer dial and ensure it is on "Auto" setting. The sprinklers won't turn on at the programmed times if the timer dial is set to something else other that "Auto".Check the Station Delay settings if your sprinklers are not turning on when you program them to.Adjust the Station Delay settings accordingly by turning the dial to "Station Delay" and then follow these steps:Press the plus or minus button to increase or decrease the station delay time.So that you have no delay between stations, set the delay to zero.Then press "Enter" to save your settings.Press the "Reset" button on your timer if the LCD display is blank. If this doesn't resolve, replace the batteries with fresh ones.Various issues may your Orbit sprinkler timer not work. It could range from a bad connection to a defective timer. Try the following steps to see if the problem resolves:Test the outlet you have plugged the Orbit into if it works.Check your power cable to ensure it is not frayed or worn through if the outlet is okay.Check the docking port's connection to ensure your timer is plugged in properly.If the problem persists, remove the timer and reinsert it into the docking port.If you are still not getting power, your timer may be defective.You can reset your Orbit timer by pressing the "PROGRAM RESET" button on the controller. This will clear all your programming but doesn't remove the factory-installed fail-safe program.You may need to press it with a small pointed object such as a pen tip as the button is recessed into the panel to prevent an accidental reset.The Orbit timer has three programs that control a variety of watering plans. Depending on your needs, you can use one or all programs. You can enter your watering schedule in whatever order you like.Setting start times for programs A or BTo set the cycle start times (time of day that the program begins watering the first station, and all other programmed stations will then follow in sequence) for each program, you will be using, follow these steps:Turn the rotary selector to set the CYCLE START TIMES position in the program you want to set up. Depending on the selected program, you will see A or B on the display. The display will show – -:- – and a blinking cursor will appear in the START 1 location.Set the time you want to begin watering for cycle start time 1 using the + or – buttons, then press the ENTER button.For additional cycle times, press NEXT to advance to the next cycle start time and repeat the process using the + and – buttons to enter the time and press ENTER.Note that you cannot set a cycle start time for each station. Stations can be assigned to either program A or B or both A and B. Each program can have up to four-cycle start times.Program A is a two-week daily schedule. Watering may be scheduled for each of the 14 days. After 14 days, the A program continues to repeat itself. To set the watering days:Set start times as outlined in the previous steps of setting start times for programs A or B.Turn the rotary selector to SET WATERING DAYS. The cursor will blink above the current day in the first week. Any or all days in the two-week schedule can be programmed to water.To program a day to water, press ENTER. An arrow will be displayed above the programmed days, and the cursor will move to the next day.To advance to a specific day, press NEXT.To clear a day, press NEXT until the cursor is above that day, then press CLEAR.Program B is used to water an interval from 1 to 28 or on odd or even days. To set the watering interval:Set start times as outlined in setting start times for program A or B.Turn the rotary selector to SET WATERING INTERVAL. The cursor will blink to the right of the word INTERVAL.Press the + or – buttons to the desired interval when selecting days. Then press ENTER to program the interval.To select either odd or even day watering, press NEXT. The cursor will move to the odd or even setting. Then press ENTER.To clear a schedule, press the NEXT button to move the cursor to the schedule and then press CLEAR.To enter a new schedule, press the NEXT button to move to the desired schedule and press ENTER.Follow these steps to set the duration for each program you will be using:Choose the watering duration for the stations by sliding each switch to its desired time from 2 to 120 minutes.To skip a station, move the station's slide switch to the MANUAL OFF position at the bottom of the slide.Set the program slide switch for each station you want to assign to programs A, B, or A and B.After programming is complete, turn the rotary selector to AUTO. The timer is now fully programmed and ready to use in automatic mode. Each station will operate sequentially in auto mode, starting with program A.If it is the first time the timer has been programmed, you should start by pressing the RESET button. Do not press the RESET button again unless you want to remove all your programming completely. Then follow these steps to set the time of day and date:Turn the rotary dial to the SET TIME/DATE position.00 AM should appear in the display with three arrows pointing to the year, month, and day.Press and hold the + or – button to advance or reverse to the correct time of day.Once the correct time of day is reached, press the ENTER button to lock in the time.Hold down either the + or – buttons to increase or decrease more rapidly until the display goes into rapid advance mode.You will see a cursor below the arrow for the year, month, and date when programming.Use the + and – buttons to set the correct year, then press ENTER.Use the + and – buttons to set the correct month, then press ENTER.Use the + and – buttons to set the correct day of the week, then press ENTER.If your Orbit is not working, there could be several possible causes. If one or more stations do not turn on, it could be:Faulty solenoid.Wire broken or not connected.The programming is incorrect.Flow control stem screwed down, shutting the valve off.If stations turn on when they are not supposed to:Water pressure is too high.More than one start time is programmed.If all stations do not turn on:Programming is incorrect.Transformer is defective or not connected.Circuit breaker has been tripped.If one station is stuck on and will not turn off:Faulty valve.Particles of dirt or debris stuck in valve.Valve diaphragm faulty.If timer will not power up:Circuit breaker has tripped.Transformer is not plugged into an operational AC outlet.If stations continue to turn on and off when they are not programmed to:More than one start time is programmed with overlapping schedules.Excessive pressure.If circuit breaker trips repeatedly:Short in wiring or solenoids.You can try to troubleshoot your Orbit sprinkler timer using the following steps:Check the programming settings and adjust them on the control panel if one or more stations are not turning on. There are varying programming settings for different models. Most models have the option to adjust cycle start times, watering days, watering interval, and station duration among other things.Check the ground sprinkler controls valves if some of the stations aren't working. Make sure the valves are turned on.Check your timer dial and ensure it is on "Auto" setting. The sprinklers won't turn on at the programmed times if the timer dial is set to something else other that "Auto".Check the Station Delay settings if your sprinklers are not turning on when you program them to. Adjust the Station Delay settings by turning the dial to "Station Delay".Press the "Reset" button on your timer if the LCD display is blank. If this doesn't resolve, replace the batteries with new ones.You can override the automatic program and operate the timer manually using the watering duration slide switches.The automatic program will be canceled if a manual operation is started during an automatic program cycle. Your timer will revert to the automatic mode after the manual watering duration is set on the slide switch.Check this too: Best Impact Sprinkler for Low Water PressureTurn the rotary selector to the AUTO position.Turn on any individual station by moving that station's watering duration slide switch to the MANUAL ON position (fully up). The display blinks back and forth between water drop and the time of day.Only one station can be active at a time. The last station set to the MANUAL ON position will be watering.The display will show ON inside a water drop when a station is turned on manually. The display also shows the number of the station that is activated.You can set any single station to go on manually for a specific amount of time from 2 to 120 minutes. To do that:First move the watering duration slide switch to the MANUAL ON position, then back to any duration position.If more than one station is set for manual duration, the timer will activate only the last station you set. Watering can be turned off at any time by pushing the slide switch to MANUAL OFF.If a station doesn't shut off once turned on, It could be because of the following possible causes:Faulty valveDebris or dirt particles stuck in the valveFaulty valve diaphragmYou need to check the valve of the sprinkler and remove any dirt, debris or foreign objects that may be present. If the valve is clear, check the connection to the water line to make sure it is correct. If it still won't shut off, you may need to replace the diaphragm. Have the person who installed your system do this for you.The controller has a diagnostic fault sensor feature that automatically scans for the presence of a faulty solenoid or wiring short in each station as part of each watering sequence.If the controller senses a short in a station, it will skip the faulty station and move to the next. The controller displays FAULTY and identifies the faulty station number.Press the "Reset" button on your timer if the LCD display is blank. If this doesn't resolve, replace the batteries with fresh ones. Your Orbit timer most likely requires two AA alkaline batteries. To change the batteries:Remove the battery cover by sliding it to the left.Insert two AA alkaline batteries into the battery compartment.Return the battery cover to its closed position.To stop automatic watering for 24, 48, or 72 hours, use the RAIN DELAY mode button.Follow these steps:With the rotary dial set to AUTO, press the RAIN DELAY button once.The timer will force a 24-hour interruption of all scheduled watering. After 24 hours, the timer will automatically return to its initial watering schedule.To increase the rain delay to 48 or 72 hours, press the RAIN DELAY button again until the desired delay time is displayed. Then press ENTER.Press CLEAR to cancel the rain delay mode.To shut system down, turn the rotary dial to the OFF position. The timer will remain programmed but will not water. Here is a guide to troubleshooting your system when the sprinklers aren't turning on, even though the timer says they're running. There can be a few different possible causes when this issue occurs. First, we need to be sure the sprinkler wire from the valve(s) is fully inserted in the terminal. You will want to remove the wire and reinsert it. If your terminal uses screws, please make sure they're tightened. To ensure the wiring is well seated, try lightly tugging on the wire. If this issue is only affecting one valve/terminal, try moving the sprinkler wire from that terminal to one of the others and test using that terminal to see if it works normally. If you continue to experience an issue with the valves/sprinklers not running, you'll want to make sure that your water is turned on. If you have a master valve, manually open that and then try running the B-hyve device again If you have a pump, make sure that is activating and allowing the water to flow through Manually open a valve to check water flow If your water is on, we'll need to check the voltage at the device using a voltmeter. The device will send out 24 volts AC, so you'll need to set your meter to AC volts. 1. Turn on the problematic station or if there's more than one, turn on a manual cycle for any of them 2. Insert one prong of the voltmeter into the common terminal, and the other into the station you're manually running. Ensure the wires are inserted in the terminal when completing this step. You should get 24-30 volts AC. 3. Repeat for any other affected stations If your timer is sending the correct voltage out, you will want to test the voltage at the valve. 1. Make sure your timer is still running a manual cycle 2. Locate your valve box in your yard and identify the station that's running 3. Attach the prongs of your voltmeter to the two wires coming off of the valve and you should get 24-30 volts AC. If the voltage is getting to the valves, it may be defective. Check the manufacturer's manual for the valve for steps to troubleshoot the issue. Devices Covered: 57894, 57896, 57899, 57900, 27894, 27896, 27892, 27999, 91894, 91896, 91892, 91899, 28588, 28566, 28568, 57567, 57594, 28954, 28956, 57854, 57856, 57874, 57876, 57016, 57096, 57586, 57592, 91006, 57946, 57950, 04080, 04082, 57915, 57925, 57985, 57995, 04060 Back to Support pageTags: B-hyve, Troubleshooting, Underground Timer, Valve, Voltage, Wiring Locate Correct Valve & Turn on Manually: The best way to locate which valving on, is to e isn't turn on each valve manually. This is done by twisting the solenoid ¼ turn counter-clockwise. The solenoid is the cylinder looking part of the valve with the two wires sticking out of it as seen below (for most valves). This should turn open the valve, and turn on the sprinklers. If the solenoid will not twist, the bleeder screw can also be loosened to turn on the valve. The bleeder screw is the smaller screw that is also located on the valve. When the bleeder screw is loosened it will leak a little bit. Confirm Wiring is Correct: Once the valve is located, make sure the wires are connected correctly. As shown in the picture, each valve has two wires coming off of it. One wire from each valve needs to be connected to the common wire. This wire is usually colored white or black. Then, the remaining wire from each valve needs to go to its own differently colored wire. For instance, if there was a valve box with 3 valves: valve 1, 2 and 3. Then I would connect 1 wire from each valve to my white wire. Then valve 1's extra wire would go to a red wire, valve 2's extra would go to a blue wire, and valve 3's extra would go to a green wire. It doesn't matter which wire from a valve is connected to the common vs. its own strand. Check the Solenoid: If the zone is still not turning on after the wiring is confirmed to be correct, check to see if the solenoid of the malfunctioning valve is working or broken. 3 nine-volt batteries connected in series are needed in order to check the solenoid. Take both wires of the solenoid and touch them to the battery, one to the "+" end and one to the "–" end as pictured. Once the sol