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SPW NODE-BT-100-Valve

SPW Hunter Node-BT-100-Valve Single Zone Bluetooth Irrigation Controller User Manual

Model: NODE-BT-100-Valve

Introduction

The SPW Hunter Node-BT-100-Valve is a single-zone, battery-operated irrigation controller designed for efficient water management in various outdoor applications where AC power is unavailable. This controller features Bluetooth technology, allowing for convenient management via a smartphone application. It is supplied with a PGV-101G DC Solenoid and operates as a 9V timer. Its waterproof design ensures durability in diverse environments.

Key Features

- Single Station Battery Operated Controller and PGV-101G Valve.
- Bluetooth control from up to 50 feet away (line-of-sight).
- Mounts to Hunter solenoids, pipes, flat surfaces, or inside the valve box.
- Features 3 independent programs with 8 start times each.
- Adjustable run times from 1 second to 12 hours.
- Compatibility with soil moisture sensors for advanced water management.

Setup

1. Battery Installation

The Node-BT-100-Valve operates on a 9V battery (not included). Ensure the battery is new and correctly installed for optimal performance.

1. Locate the battery compartment on the controller.
2. Open the compartment cover.
3. Insert a fresh 9V alkaline battery, observing the correct polarity (+/-).
4. Securely close the battery compartment cover to maintain its waterproof seal.

2. Mounting the Controller

The controller offers versatile mounting options:

- **Directly to a Solenoid:** Attach the controller directly to a Hunter DC latching solenoid.
- **Pipe Mounting:** Use the included adapter to mount the controller to a pipe.
- **Flat Surface Mounting:** Secure the controller to a flat surface using appropriate fasteners.
- **Inside a Valve Box:** Place the controller inside a valve box for discreet installation and protection.

3. Connecting to the Valve

Connect the controller's wires to the PGV-101G DC Solenoid. Ensure a secure, waterproof connection for reliable operation.

4. Smartphone App Connection

Download the official Hunter Node-BT app from your smartphone's app store. Follow the in-app instructions to pair your device with the controller via Bluetooth. The app will guide you through the initial setup and programming.



Image: Components of a Hunter Node-BT series irrigation controller, showing the main unit with wiring, battery compartment (note: this image shows a NODE-BT-400 model with two cylindrical battery slots, while the product is a NODE-BT-100-Valve 9V timer), and a protective cap. This illustrates the general design and connection points.

Operating the Controller

1. Programming Irrigation Schedules

All programming is done through the dedicated smartphone app. The app allows you to:

- Create up to 3 independent irrigation programs.
- Set up to 8 start times for each program.
- Define run times for each station from 1 second to 12 hours.
- Adjust seasonal run times and apply water budgeting.
- Monitor battery status and receive reminders.

2. Manual Operation

For quick checks or immediate watering, the controller features a button for manual operation. Pressing this button can initiate irrigation or display the current battery status, depending on the model and app configuration.

Maintenance

1. Battery Replacement

The controller will notify you via the app when the 9V battery needs replacement. Replace the battery promptly to ensure continuous operation and prevent loss of programming.

1. Open the battery compartment.
2. Remove the old 9V battery.
3. Insert a new 9V alkaline battery, ensuring correct polarity.
4. Close the compartment securely.

2. General Care

Periodically inspect the controller and valve connections for any signs of damage or leaks. Keep the controller free from excessive dirt or debris. The waterproof design (IP68) protects against dust and immersion, but proper sealing of the battery compartment is crucial.

Troubleshooting

- **Controller Not Responding:** Check the 9V battery. Replace if necessary. Ensure the battery compartment is sealed correctly.
- **Bluetooth Connectivity Issues:** Ensure your smartphone is within 50 feet line-of-sight of the controller. Restart the app or your phone's Bluetooth. Ensure the controller's battery is not depleted.
- **Valve Not Watering:** Verify the controller's battery status. Check the wiring connection between the controller and the solenoid. Ensure the valve's manual bleed screw is closed. Confirm that a program is active and scheduled to run.
- **App Notifications for Updates:** If you receive persistent update notifications after updating, ensure the app is fully closed and reopened. Sometimes, a full reinstallation of the app might be required.

Specifications

Model	NODE-BT-100-Valve
Power Source	9V Battery (Alkaline recommended)
Zones	1
Communication	Bluetooth (up to 50 ft line-of-sight)
Programs	3 Independent Programs
Start Times per Program	8
Run Times	1 second to 12 hours
Waterproof Rating	IP68 (Dust tight and protected against continuous immersion)
Associated Valve	PGV-101G DC Solenoid
Item Weight	1.19 Kilograms

Warranty and Support

For warranty information and technical support, please refer to the official SPW or Hunter Industries website, or contact their customer service directly. Keep your purchase receipt as proof of purchase.
For additional assistance, you may also contact the seller, SprinklerPartsWholesale, through the platform where the product was purchased.

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