

Hunter NODE400

Hunter Sprinkler NODE400 4-Station Irrigation Controller User Manual

Model: NODE400

1. INTRODUCTION

The Hunter NODE400 is a battery-powered, 4-station irrigation controller designed for isolated sites or power-restricted areas. This controller offers a reliable solution for managing your irrigation system without the need for AC power. Its robust construction and waterproof exterior ensure durability in various outdoor environments, typically within a valve box. Key features include:

- Powered by one or two 9V batteries for extended operation.
- Easy-to-program LCD screen for user-friendly setup.
- Standard Hunter controller programming with 3 programs and 4 start times per program.

2. SETUP AND INSTALLATION

Proper installation ensures optimal performance of your NODE400 controller. Follow these steps for setup:

2.1. Battery Installation

The NODE400 operates on one or two 9V batteries. For extended seasonal power, it is recommended to use two batteries. Ensure batteries are inserted with correct polarity.

2.2. Mounting and Wiring

The controller is designed to mount quickly and easily to a valve's solenoid. No screws, drills, or additional wires are typically required for mounting the unit itself. Connect the zone wires from your irrigation valves to the corresponding terminals on the NODE400 controller. Ensure all connections are secure and the unit's seals are intact to maintain its waterproof integrity.



Figure 1: Hunter NODE400 4-Station Irrigation Controller. This image shows the compact design of the controller, suitable for installation within a valve box.

3. OPERATING INSTRUCTIONS

The NODE400 utilizes standard Hunter controller programming. The LCD screen facilitates programming of irrigation schedules.

3.1. Programming Schedules

The controller supports 3 independent programs (A, B, C) and up to 4 start times per program. Refer to the on-screen prompts and the detailed programming guide included with your product for specific steps on setting:

- Current Time and Date
- Program Start Times
- Run Times for each station
- Watering Days

While the LCD screen is designed for ease of use, some users may find certain programming aspects, such as setting a start time back to 0.00 or initiating manual operation, require careful attention to the instructions.

4. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your NODE400 controller.

4.1. Battery Replacement

Monitor battery life and replace 9V batteries as needed. The controller provides standard or extended power throughout the season depending on the number of batteries installed. Timely battery replacement prevents interruption of irrigation schedules.

4.2. Inspection

Periodically inspect the controller's housing and seals for any signs of damage or wear. The unit's waterproof exterior is crucial for its operation in a valve box environment. Ensure all connections remain secure.

5. TROUBLESHOOTING

If you encounter issues with your NODE400 controller, consider the following common troubleshooting steps:

- **Controller Not Responding:** Check the 9V batteries. Ensure they are correctly installed and have sufficient charge. Replace if necessary.
- **Valves Not Activating:**
 - Verify that the programming is correct, including start times and run durations.
 - Inspect wiring connections between the controller and the valve solenoids. Ensure they are secure.
 - Confirm compatibility of your irrigation valve solenoids with the NODE400 controller. In some cases, older valve solenoids may need replacement for proper operation with modern controllers.
 - Check for reversed zone wires. Some users have reported that zone wires 1 and 2 were reversed on their unit, requiring adjustment.
- **Difficulty with Programming:** Refer to the detailed programming instructions provided with the product. Specific functions like resetting start times or initiating manual operations may require careful review of the manual.

6. SPECIFICATIONS

Feature	Detail
Brand	Hunter
Model	NODE400
Number of Stations	4
Power Source	9 Volts (one or two 9V batteries)
Material	Plastic
Item Weight	1.2 Pounds
UPC	702811361669

Feature	Detail
ASIN	B00FYR7CVY

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your Hunter NODE400 controller or visit the official Hunter Industries website. For technical support or further assistance, contact Hunter customer service directly.

