

## Hunter 466500

# Hunter Sprinklers 466500 Pro-C Controller Main Module User Manual

Model: 466500 | Brand: Hunter

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Hunter Sprinklers 466500 Pro-C Controller Main Module. This module is designed to integrate seamlessly with Hunter Pro-C indoor and outdoor irrigation controllers, enabling efficient management of your sprinkler system zones.

## PRODUCT OVERVIEW

The Hunter 466500 Pro-C Controller Main Module is a critical component for expanding or replacing zone control within your existing Hunter Pro-C irrigation system. It ensures reliable communication between your controller and the sprinkler zones, facilitating precise watering schedules.

### Key Features:

- Designed for use with Hunter Pro-C indoor and outdoor controllers.
- Facilitates efficient water management for irrigation systems.
- Manufactured with a commitment to quality and innovation.



*Image 1: Front view of the Hunter 466500 Pro-C Controller Main Module, showing the four wiring terminals for zone connections.*

## SETUP AND INSTALLATION

---

Installing the Hunter 466500 Pro-C Controller Main Module is a straightforward process. Follow these steps carefully to ensure proper function and safety.

1. **Preparation:** Before beginning, ensure the main power to your irrigation controller is turned OFF and unplugged from the power source. This prevents electrical shock and damage to the unit.
2. **Document Existing Wiring:** If replacing an old module, take a clear photograph of the current wiring configuration. Note which wires (e.g., black, white, red) connect to which terminals and their corresponding zone numbers. You may use a marker to label wires for clarity.
3. **Disconnect Wires:** Carefully unscrew each wire from the terminals of the old module and remove them.
4. **Remove Old Module:** With gentle pressure, slide out or unclip the old module from its slot within the Pro-C controller.
5. **Install New Module:** Slide the new Hunter 466500 module into the designated slot until it is securely seated.
6. **Connect Wires:** Loosen the screws on the new module's terminals, but do not remove them completely. Reconnect the wires one at a time, matching them to the configuration documented in step 2. Ensure each wire is firmly seated and then tighten the screw.
7. **Power On and Test:** Once all wires are securely connected, plug the controller back into the power source. Turn on the main power. Test each zone that was connected to the new module to confirm proper operation.

**Important Safety Note:** Consider using a surge protector for your controller to protect against electrical fluctuations. If you are unsure about any step, consult a qualified electrician or irrigation professional.



*Image 2: Rear view of the Hunter 466500 Pro-C Controller Main Module, showing the gold connector pins that interface with the main controller board.*

## OPERATION

The 466500 Main Module operates as an integral part of your Hunter Pro-C controller. Once installed, the controller will recognize the module and allow you to program and manage the connected irrigation zones through its interface. Refer to your Hunter Pro-C controller's main user manual for detailed instructions on programming and scheduling specific zones.

- **Zone Activation:** The module facilitates the activation and deactivation of individual sprinkler zones as programmed in the Pro-C controller.
- **Diagnostic Feedback:** In some cases, the controller may provide diagnostic feedback related to the module or connected zones. Consult your controller's manual for interpretation.

## MAINTENANCE

The Hunter 466500 Pro-C Controller Main Module is designed for durability and requires minimal maintenance. However, periodic checks can help ensure its longevity and optimal performance.

- **Visual Inspection:** Annually, or if issues arise, visually inspect the module and its wiring connections for any signs of corrosion, loose wires, or physical damage.
- **Cleanliness:** Ensure the controller housing, where the module is installed, remains clean and free of dust, debris, or insect infestations.
- **Environmental Protection:** If your Pro-C controller is installed outdoors, ensure its enclosure is properly sealed to protect the module from moisture and extreme temperatures.

## TROUBLESHOOTING

If you encounter issues with your irrigation system after installing or while using the 466500 Main Module, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Specific zone not activating.	Loose wire connection to the module, faulty solenoid, or module malfunction.	<ol style="list-style-type: none"><li>1. Check the wire connection for the affected zone at the module and tighten if loose.</li><li>2. Verify the solenoid for the zone is functioning correctly (refer to your sprinkler system's manual).</li><li>3. If other zones on the same module work, the issue might be with the specific zone's wiring or solenoid. If all zones on the module fail, the module itself might be faulty.</li></ol>
All zones connected to the module are not working.	Module not properly seated, module malfunction, or power issue to the controller.	<ol style="list-style-type: none"><li>1. Ensure the module is fully and correctly inserted into its slot in the Pro-C controller.</li><li>2. Confirm the controller has power and is functioning for other zones (if applicable).</li><li>3. If the module is suspected to be faulty, replacement may be necessary.</li></ol>
Controller displays an error message related to a zone.	Wiring fault, short circuit, or open circuit in the zone.	Consult your Hunter Pro-C controller's manual for specific error code interpretations and recommended actions. Inspect wiring for damage.

## SPECIFICATIONS

- **Model Number:** 466500
- **Product Dimensions:** 4.5 x 4 x 4.5 inches
- **Item Weight:** 4 ounces
- **Compatibility:** Hunter Pro-C indoor and outdoor controllers
- **Manufacturer:** Standard Plumbing Supply-LG (Hunter Industries)







## WARRANTY AND SUPPORT

Hunter Industries is committed to providing high-quality products and excellent customer support. For specific warranty information regarding your 466500 Pro-C Controller Main Module, please refer to the documentation included with your original Hunter Pro-C controller or visit the official Hunter Industries website.

For technical assistance, troubleshooting, or further inquiries, please contact Hunter Industries customer support. They are dedicated to providing the best homeowner support in the irrigation industry.

*Note: Always ensure you are using genuine Hunter replacement parts to maintain product warranty and optimal system performance.*

## Related Documents - 466500

 <p><b>Pro-C</b> Residential and Light Commercial Irrigation Controllers Hunter Pro-C Irrigation Controller Owner's Manual and Installation Instructions</p>	<p><a href="#">Hunter Pro-C Irrigation Controller: Owner's Manual and Installation Instructions</a></p> <p>A comprehensive guide to installing, programming, and operating the Hunter Pro-C Residential and Light Commercial Irrigation Controller. This manual covers controller components, wiring, mounting, programming fundamentals, advanced features, troubleshooting, and specifications.</p>
 <p>RESIDENTIAL PRODUCT REFERENCE GUIDE</p>	<p><a href="#">Hunter Residential Product Reference Guide</a></p> <p>A comprehensive guide to Hunter's residential and commercial irrigation products, featuring detailed specifications and comparisons of various rotor models like PGJ, PGP-ADJ, PGP ULTRA, and I-20.</p>
 <p><b>Pro-C</b> Programación e Instalación para Sistemas de Riego Residencial y Comercial Hunter Pro-C Irrigation Controller User Manual and Installation Guide</p>	<p><a href="#">Hunter Pro-C Irrigation Controller User Manual and Installation Guide</a></p> <p>Comprehensive user manual and installation guide for the Hunter Pro-C irrigation controller, covering features, programming, wiring, and troubleshooting for residential and commercial installations. Includes indoor and outdoor versions, diagrams, and specifications.</p>
 <p><b>PRO-C CONTROLLER</b> The Professional Choice for Residential and Light Commercial Systems Discover the Hunter PRO-C Controller, designed for residential and light commercial irrigation. This professional-grade system offers flexible station expansion, advanced two-wire compatibility, enhanced sensor functionality, and EPA WaterSense approval for optimal water savings.</p>	<p><a href="#">Hunter PRO-C Controller: Professional Residential &amp; Commercial Irrigation Systems</a></p> <p>Discover the Hunter PRO-C Controller, designed for residential and light commercial irrigation. This professional-grade system offers flexible station expansion, advanced two-wire compatibility, enhanced sensor functionality, and EPA WaterSense approval for optimal water savings.</p>
 <p><b>PRO-C</b> Residential and Light Commercial Irrigation Controller Hunter Pro-C Irrigation Controller Owner's Manual and Installation Guide</p>	<p><a href="#">Hunter Pro-C Residential &amp; Commercial Irrigation Controller Manual   Installation &amp; Operation Guide</a></p> <p>Comprehensive owner's manual and installation guide for the Hunter Pro-C irrigation controller. Learn about specifications, components, wiring, programming, advanced features, troubleshooting, and more.</p>
 <p><b>PRO-C PROGRAMADOR RESIDENCIAL Y COMERCIAL</b> Hunter Pro-C Irrigation Controller Owner's Manual and Installation Guide</p>	<p><a href="#">Hunter Pro-C Residential and Commercial Irrigation Controller</a></p> <p>Detailed overview of the Hunter Pro-C irrigation controller, highlighting its features, flexibility, and compatibility with Solar Sync for efficient water management in residential and commercial applications.</p>