

Hunter PCM1600

Hunter PCM1600 16-Station Expansion Module User Manual

Model: PCM1600

1. INTRODUCTION

The Hunter PCM1600 is a 16-station plug-in expansion module designed to increase the zone capacity of compatible Hunter irrigation controllers. This module allows you to expand your existing Pro-C PC-400 or Hydrowise Pro-C HPC-400 controller by an additional 16 zones, enabling management of larger irrigation systems.

This manual provides essential information for the proper installation, operation, and maintenance of your PCM1600 expansion module.

2. PRODUCT OVERVIEW AND FEATURES

The PCM1600 module is a genuine Hunter OEM component, ensuring seamless integration and reliable performance with your Hunter Pro-C series controller.

- **16-Zone Expansion:** Adds 16 additional stations to your compatible Hunter controller.
- **Compatibility:** Specifically designed for Hunter Hydrowise Pro-C (HPC-400) and Hunter Pro-C (PC-400) Timers.
- **System Expansion:** When combined with a PCM-300 module, it can expand a 4-zone base controller up to a total of 23 zones.
- **Backward Compatibility:** New version black modules are compatible with older version timers that originally used gray modules.



Figure 1: Hunter PCM1600 16-Station Expansion Module. This image shows the front view of the module, highlighting its compact design and connection interface.

3. SETUP AND INSTALLATION

Follow these steps to properly install the PCM1600 expansion module into your Hunter Pro-C or Hydrowise Pro-C controller.

1. **Power Off Controller:** Before beginning installation, ensure the irrigation controller's power supply is disconnected. This prevents electrical shock and damage to the module or controller.
2. **Locate Expansion Slots:** Open the controller's front panel. Identify the available expansion module slots. These are typically labeled.
3. **Insert Module:** Carefully align the PCM1600 module with an empty expansion slot. Gently push the module into the slot until it is firmly seated. Do not force the module; it should slide in smoothly.
4. **Secure Module (if applicable):** Some controllers may have retaining clips or screws to secure the module. Ensure any such mechanisms are engaged.
5. **Close Controller:** Close the controller's front panel.
6. **Restore Power:** Reconnect the power supply to the irrigation controller.
7. **Configure Controller:** Refer to your main controller's user manual for instructions on how to recognize and configure the newly added zones. The controller should automatically detect the expansion module, but specific programming steps may be required to assign and utilize the new stations.



Figure 2: Close-up of the PCM1600 module's connector pins. This image illustrates the interface that plugs into the main controller's expansion slot.

4. OPERATING INSTRUCTIONS

The PCM1600 expansion module does not have independent operational controls. Once installed, its additional zones become an integral part of your main Hunter Pro-C or Hydrawise Pro-C irrigation controller.

- **Zone Programming:** All programming, scheduling, and manual operation of the expanded zones are performed directly through the main controller's interface.
- **Refer to Controller Manual:** For detailed instructions on how to program and operate the newly available zones, consult the user manual specific to your Hunter Pro-C (PC-400) or Hydrawise Pro-C (HPC-400) controller.

5. MAINTENANCE

The PCM1600 module requires minimal maintenance. Adhering to these guidelines will help ensure its longevity and reliable performance:

- **Keep Dry:** Ensure the controller enclosure remains sealed and dry to protect the module from moisture and humidity.
- **Clean Connections:** Periodically, with power disconnected, inspect the module and its slot for dust or debris. Use a soft, dry brush or compressed air to clean if necessary.
- **Secure Installation:** Ensure the module remains firmly seated in its slot. Loose connections can lead to intermittent operation.

6. TROUBLESHOOTING

If you encounter issues after installing the PCM1600 module, consider the following troubleshooting steps:

- **Module Not Recognized:**
 - Ensure the controller's power is off, then carefully remove and re-insert the module to ensure it is fully seated.
 - Verify that your controller model (PC-400 or HPC-400) is compatible with the PCM1600.
 - Check the main controller's display for any error messages related to expansion modules.
- **New Zones Not Functioning:**
 - Confirm that the new zones have been properly configured and assigned within the main controller's programming. Refer to your controller's manual.
 - Check wiring connections for the new zones at the terminal block of the main controller.

- **Intermittent Operation:**

- Power cycle the controller (disconnect and reconnect power).
- Inspect the module and its slot for any signs of damage or corrosion.

If problems persist after attempting these steps, contact Hunter customer support or a certified irrigation professional.

7. SPECIFICATIONS

Attribute	Value
Model	PCM1600
Expansion Zones	16
Compatibility	Hunter Pro-C (PC-400), Hydrowise Pro-C (HPC-400)
Material	Plastic
Color	Black
Item Weight	8 ounces (approx.)
Item Type Name	Expansion Module
UPC	746178859636
ASIN	B0BS9X16ZM

8. WARRANTY AND SUPPORT

The Hunter PCM1600 expansion module is covered by Hunter Industries' standard manufacturer warranty. For specific warranty terms and conditions, please refer to the documentation provided with your original Hunter controller or visit the official Hunter Industries website.

For technical assistance, troubleshooting beyond the scope of this manual, or warranty claims, please contact Hunter Industries customer support directly. Have your product model number and purchase information ready when contacting support.

Hunter Industries Official Website: www.hunterindustries.com