

TrolMaster DSP-2

TrolMaster DSP-2 240V Program Device Station User Manual

Brand: TrolMaster

Model: DSP-2

1. INTRODUCTION AND OVERVIEW

The TrolMaster DSP-2 240V Program Device Station is an essential module designed to extend the control capabilities of your Hydro X controller. It enables precise on/off programming for connected 240V appliances, offering seamless integration and ease of use within your environmental control system. This device is built for reliability and simple plug-and-play functionality, making it an ideal addition for managing various 240V equipment.



Figure 1: Front view of the TrolMaster DSP-2 240V Program Device Station, showing the 240V receptacle and indicator light.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the DSP-2 module. Failure to do so may result in electric shock, fire, or damage to the device or connected equipment.

- **Electrical Safety:** Always ensure the device and the Hydro X controller are disconnected from the main power supply before performing any installation, connection, or maintenance.
- **Voltage Compatibility:** This device is designed for 240V applications only. Do not connect it to 120V power sources or appliances.
- **Indoor Use Only:** The DSP-2 is intended for indoor use in dry environments. Do not expose it to water, high humidity, or extreme temperatures.
- **Proper Connections:** Ensure all cables and plugs are securely connected. Loose connections can cause overheating

or malfunction.

- **Qualified Personnel:** If you are unsure about any part of the installation or operation, consult a qualified electrician or contact TrolMaster support.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- 1 x DSP-2 Device Station
- 1 x 16 ft RJ12 Cable
- 1 x 4 ft RJ12 Cable
- 1 x RJ12 T-splitter



Figure 2: Product packaging for the DSP-2, indicating the included components.

4. PRODUCT FEATURES

The DSP-2 240V Program Device Station offers the following key features:

- Module for programming on/off cycles for connected 240V appliances.
- Extends control capabilities over any device connected to a TrolMaster Hydro X controller.
- Designed for plug-and-play installation and easy setup.

- Compact and durable design.

5. SETUP AND INSTALLATION

The DSP-2 is designed for simple integration with your existing TrolMaster Hydro X control system. Follow these steps for proper installation:

1. **Power Off:** Ensure your Hydro X controller and all connected appliances are powered off before beginning installation. This is crucial for safety.
2. **Connect to Hydro X:** Use one of the provided RJ12 cables to connect the DSP-2 module to an available port on your Hydro X controller. If all ports are occupied, use the included RJ12 T-splitter to create an additional connection point.



Figure 3: Top-down view of the DSP-2, highlighting the RJ12 communication port.

3. **Connect Appliance:** Plug your 240V appliance into the receptacle on the DSP-2 module. Ensure the appliance's plug is fully inserted and secure.



Figure 4: Side view of the DSP-2, showing the 240V electrical prongs for connection to a power source.

4. **Power On:** Restore power to your Hydro X controller. The DSP-2 module will be automatically detected by the system.
5. **Configuration:** Refer to your Hydro X controller's user manual for detailed instructions on how to program and manage the connected 240V appliance through the controller's interface. The DSP-2 acts as an extension, and all control is managed centrally by the Hydro X system.

6. OPERATION

The DSP-2 module operates under the command of your TrolMaster Hydro X controller. Once connected and configured, the Hydro X controller will manage the on/off cycles of the 240V appliance plugged into the DSP-2.

- **Programming:** All programming, scheduling, and manual control of the connected appliance are performed directly through the Hydro X controller's user interface. The DSP-2 does not have independent controls.
- **Status Indicator:** The DSP-2 features a small LED indicator light on its front face. This light provides visual feedback on the module's status (e.g., power on, active output). Refer to your Hydro X controller's manual for specific indicator meanings and troubleshooting based on LED behavior.

7. MAINTENANCE

The DSP-2 module is designed for long-term reliability and requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the device with a soft, dry cloth to remove dust and debris. Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the casing or internal components.
- **Connections:** Regularly inspect all RJ12 and power connections to ensure they remain secure and free from damage.

Loose connections can lead to intermittent operation or electrical hazards.

- **Storage:** If storing the device, keep it in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your DSP-2 module, consider the following troubleshooting steps:

- **Device Not Detected by Hydro X:**
 - Verify the RJ12 cable is securely connected to both the DSP-2 and an active port on the Hydro X controller.
 - Try connecting the DSP-2 to a different RJ12 port on the Hydro X controller.
 - Ensure the Hydro X controller is powered on and functioning correctly.
 - Check the RJ12 cable for any visible damage; try a different cable if available.
- **Connected Appliance Not Responding:**
 - Confirm the 240V appliance is properly plugged into the DSP-2 receptacle.
 - Test the appliance by plugging it directly into a known working 240V outlet to ensure the appliance itself is functional.
 - Review the programming settings for the DSP-2 within your Hydro X controller to ensure they are correctly configured for the desired operation (e.g., schedule, manual override).
- **No Power Indicator Light on DSP-2:**
 - The DSP-2 receives power through the RJ12 connection from the Hydro X controller. Ensure the DSP-2 is correctly connected to the Hydro X controller.
 - Check the power supply to your Hydro X controller to ensure it is receiving power.

If these steps do not resolve the issue, please contact TrolMaster customer support for further assistance.

9. SPECIFICATIONS

Model	DSP-2
Dimensions (L x W x H)	3 x 3 x 3 inches (7.62 x 7.62 x 7.62 cm)
Weight	0.14 ounces (4 grams)
Voltage	240 Volts
Color	Black
Included Components	Device Module, 16ft RJ12 Cable, 4ft RJ12 Cable, RJ12 T-splitter
Connectivity	RJ12 (for Hydro X controller communication)
UPC	606795351732

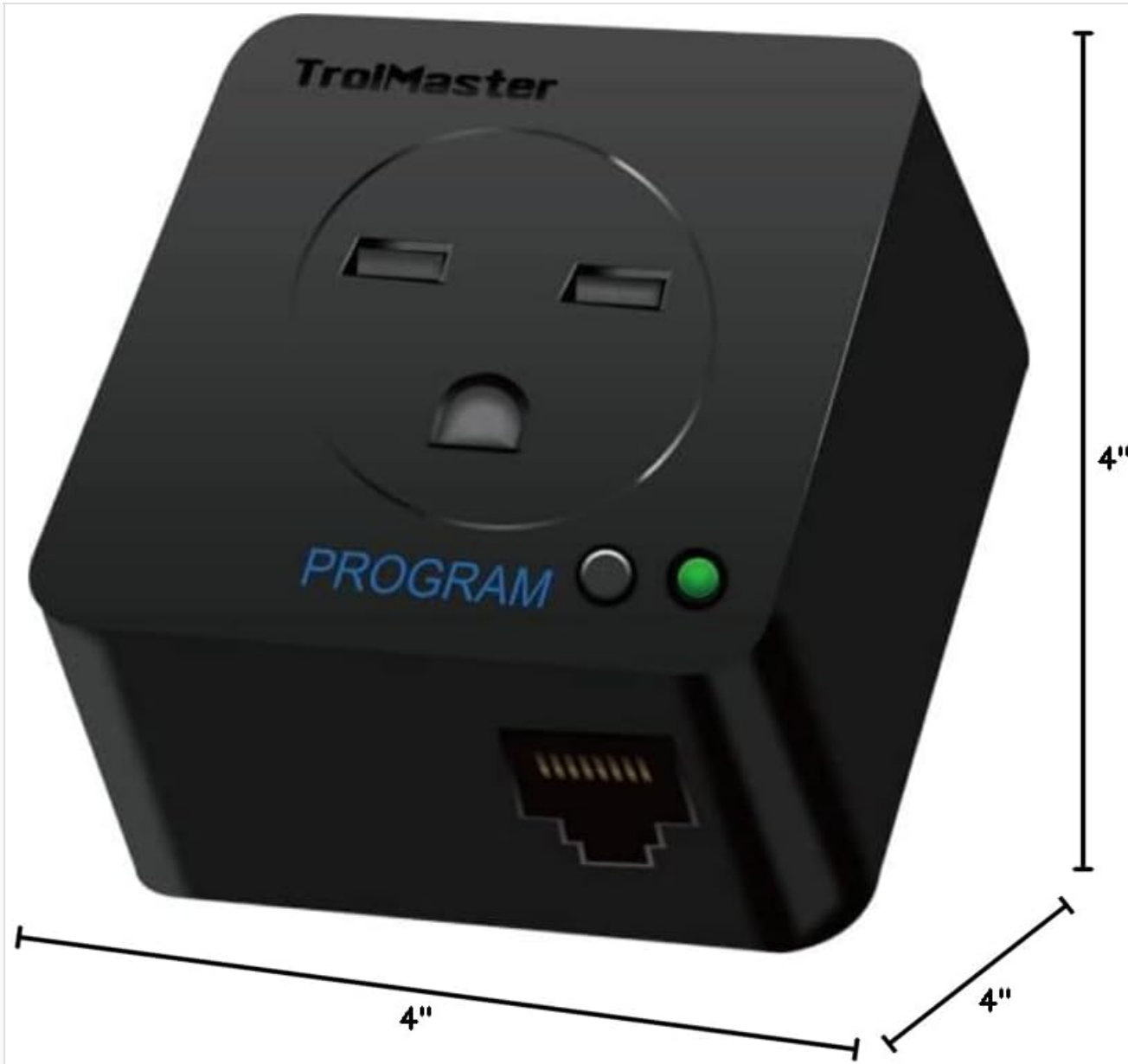


Figure 5: Dimensions of the DSP-2 module.

10. WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the official TrolMaster website or the documentation provided with your Hydro X control system. In case of technical issues or questions not covered in this manual, please contact TrolMaster customer service directly. When contacting support, please have your product model (DSP-2) and purchase information readily available.

TrolMaster Official Website: www.trolmaster.com