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> Hayward SPX3400DR Motor Drive with Digital Control Interface User Manual

Hayward SPX3400DR

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Model: SPX3400DR | Brand: Hayward

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Hayward SPX3400DR Motor Drive with Digital Control Interface. This unit is specifically designed as a replacement for Hayward EcoStar SP3400VSP series pump models, including SP3400VSP and SP3400VSPVR. Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of the product.

PRODUCT OVERVIEW AND FEATURES

The Hayward SPX3400DR is a motor drive replacement unit that includes a digital control interface, enhancing the functionality and user experience of your Hayward EcoStar SP3400VSP series pump. Key features include:

- Direct replacement for Hayward EcoStar SP3400VSP pump series models SP3400VSP and SP3400VSPVR.
- Integrated digital control interface for precise pump management.
- Designed for durability and reliable performance in pool pump applications.

SPECIFICATIONS

Brand	Hayward
Model Number	SPX3400DR
Material	Plastic
Product Dimensions (L x W x H)	14.2" x 11.3" x 8.4"
Item Weight	8 Pounds

Power Source	AC
UPC	610377134439

INSTALLATION

Installation of the Hayward SPX3400DR Motor Drive involves replacing the existing motor drive on compatible Hayward EcoStar SP3400VSP series pumps. It is recommended that installation be performed by a qualified pool professional. Ensure all power to the pump system is disconnected before beginning installation.

The process typically involves:

1. Disconnecting power and draining the pump.
2. Removing the old motor drive and digital control interface.
3. Attaching the new SPX3400DR motor drive and connecting the digital control interface.
4. Reconnecting plumbing and electrical connections.
5. Priming the pump and restoring power.

For a visual guide to the components, refer to the exploded diagram below:



Figure 1: Exploded view diagram of the Hayward SPX3400DR Motor Drive and associated pump components. This diagram illustrates the various parts of the Hayward SPX3400DR motor drive and its integration with the Hayward SP3400VSP series pump. Key components are numbered for reference during assembly and maintenance.

OPERATION

The digital control interface allows for easy programming and monitoring of your pump's operation. The interface typically features buttons for various speeds (Speed 1-4), a Menu button for accessing settings, and arrow keys for navigation. A Stop/Resume button and Quick Clean function are also usually present.

The control panel is designed to be user-friendly, with clear labels for each function. It often includes a protective cover to shield the buttons and display from environmental elements, such as direct sunlight, which can degrade traditional push-button interfaces over time.

Refer to the on-screen display for current operating status, including active timers and system checks. Detailed programming instructions for setting pump speeds, schedules, and other advanced features are available within the device's menu system.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Hayward SPX3400DR Motor Drive and pump system. Key maintenance practices include:

- **Routine Inspection:** Periodically check the motor drive and control interface for any signs of wear, damage, or debris accumulation.
- **Cleaning:** Keep the digital control interface clean and free from dirt, dust, and moisture. Use a soft, damp cloth for cleaning. Ensure the protective cover is properly closed when not in use.
- **Ventilation:** Ensure adequate airflow around the motor drive to prevent overheating. Keep the area clear of obstructions.
- **Electrical Connections:** Annually inspect all electrical connections for tightness and corrosion. This should be done by a qualified electrician.

TROUBLESHOOTING

If you encounter issues with your Hayward SPX3400DR Motor Drive, consider the following basic troubleshooting steps:

- **No Power/Display Off:** Check the main power supply to the pump and ensure all circuit breakers are on. Verify electrical connections to the motor drive.
- **Pump Not Running:** Ensure the pump is primed and there is water flow. Check for any error messages on the digital display. Verify that a program or speed setting is active.
- **Unresponsive Buttons:** Ensure the protective cover is fully open and there is no debris obstructing the buttons. If issues persist, contact customer support.
- **Unusual Noises/Vibrations:** Immediately shut off the pump. Inspect for blockages in the impeller or plumbing. Contact a professional if the issue cannot be identified or resolved.

For more complex issues, consult a qualified pool technician or Hayward customer support.

IMPORTANT SAFETY INFORMATION

Always adhere to local electrical and plumbing codes. Disconnect all power before servicing. Do not operate the pump if any part is damaged or missing. Keep children and pets away from pool equipment. Failure to follow these instructions can result in serious injury or death.

WARRANTY AND SUPPORT

For warranty information, technical support, or to locate authorized service centers, please refer to the official Hayward website or contact Hayward customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

ABOUT HAYWARD

Hayward is a proud American company with a rich history since 1925, dedicated to delivering exceptional products and transforming the experience of water. They emphasize quality manufacturing across various locations in the United States and are committed to outstanding customer service and innovative technology.



Video 1: Hayward: An American Story Since 1925. This video provides an overview of Hayward, highlighting its history, manufacturing processes across various US states, commitment to customer service, and innovative technology in pool products. It showcases the

company's mission to transform the experience of water.

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