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SLYQMC PV101-C

SLYQMC Murphy PowerView PV101-C Tier 4 Display User Manual

Model: PV101-C | Brand: SLYQMC (Murphy by Enovation Controls)

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the SLYQMC Murphy PowerView PV101-C Tier 4 Display. The PV101-C is designed to monitor engine and driveline operating parameters, display dynamic and historical fault information, and provide critical alerts for equipment operators.

2. Safety Information

Always observe standard safety precautions when installing or operating electronic equipment. Disconnect power before making any electrical connections. Ensure proper grounding and wiring to prevent electrical hazards. Refer to the equipment manufacturer's manual for specific safety guidelines related to your machinery.

3. Package Contents

Verify that all items are present in the package:

- 1 x Murphy PowerView PV101-C Display Unit
- (Additional components such as mounting hardware or wiring harnesses may be included depending on the specific kit. Please check your packaging.)

4. Setup and Installation

4.1 Physical Installation

The PV101-C display is designed for panel mounting. Ensure a suitable location is chosen that provides clear visibility to the operator and protection from excessive vibration or direct impact.



Image 4.1: Side view of the PV101-C display, illustrating the threaded collar for secure panel mounting. This collar is used to fasten the display to a cutout in the equipment panel.

1. Cut a mounting hole in the panel according to the dimensions provided in the product's technical drawing (not included in this manual, refer to product specifications).
2. Insert the PV101-C display into the cutout from the front.
3. Secure the display using the threaded collar and nut from the rear of the panel. Tighten firmly but do not overtighten.

4.2 Electrical Connections

The PV101-C connects to the vehicle's electrical system and engine control unit (ECU) via its rear connectors. Ensure all connections are secure and correctly polarized.



Image 4.2: Rear view of the PV101-C display, highlighting the two circular multi-pin connectors for power, data, and sensor inputs. Product identification labels are also visible.

- Connect the main power harness to the appropriate connector.
- Connect the CAN bus or other data communication harnesses to the designated connector.
- Refer to the wiring diagram provided with your specific PV101-C unit for detailed pin assignments and connection instructions.

5. Operating Instructions

5.1 Display Overview



Image 5.1: Front view of the PV101-C display, showing the LCD screen and the four membrane buttons used for navigation and control.

The PV101-C features an LCD screen capable of displaying various engine and driveline parameters. It can show a single parameter or up to four parameters simultaneously on one screen. The display also provides dynamic and historical fault information, often presented as text with corresponding codes.

5.2 Button Functions

The four buttons located below the display are used to navigate menus, select options, and acknowledge alerts. Specific functions may vary depending on the software configuration and current screen. Typically, these buttons allow you to:

- **Scroll:** Move through lists of parameters or menu options.
- **Select/Enter:** Confirm a selection or enter a submenu.
- **Back/Escape:** Return to the previous screen or exit a menu.
- **Acknowledge:** Clear fault alerts or warnings.

5.3 Fault Indicators

The display includes extra bright general fault (amber) and shutdown fault (red) indicators. These LEDs illuminate to provide immediate visual alerts for critical conditions. When a fault occurs, the display will typically show the fault in text with a corresponding code.

- **Amber Indicator:** Indicates a general fault or warning that requires attention but may not necessitate immediate shutdown.
- **Red Indicator:** Indicates a critical fault that may lead to engine shutdown or severe damage if not addressed promptly.

Consult your equipment's service manual for specific actions to take when these indicators illuminate.

5.4 Product Overview Video



Video 5.2: A brief overview demonstrating the physical appearance and handling of the Murphy PowerView PV101-C display, showing both its front and rear aspects. This video provides a visual reference for the product's form factor and connector locations.

6. Maintenance

The PV101-C display requires minimal maintenance. Keep the screen and buttons clean to ensure optimal visibility and functionality.

- **Cleaning:** Use a soft, damp cloth to wipe the display and housing. Avoid abrasive cleaners or solvents that could damage the screen or plastic components.
- **Inspection:** Periodically check electrical connections for tightness and signs of corrosion.

7. Troubleshooting

This section addresses common issues you might encounter with the PV101-C display.

Problem	Possible Cause	Solution
Display does not power on.	No power supply; loose connection; blown fuse.	Check power connections. Verify fuse integrity. Ensure vehicle ignition is on.
No engine data displayed.	CAN bus connection issue; ECU not communicating; incorrect configuration.	Inspect CAN bus wiring. Confirm ECU is operational. Check display configuration settings.

Problem	Possible Cause	Solution
Fault indicator (amber/red) is illuminated.	Engine or driveline fault detected.	Read the fault code on the display. Consult your equipment's service manual for diagnostic steps. Address the underlying issue.
Buttons are unresponsive.	Stuck buttons; software issue; physical damage.	Gently press buttons to ensure they are not stuck. Power cycle the display. If issue persists, contact support.

8. Specifications

Feature	Detail
Model	PV101-C
Brand	SLYQMC (Murphy by Enovation Controls)
Manufacturer	SLYQMC
Part Number	PV101-C
Display Type	LCD, capable of displaying 1 or 4 parameters
Fault Indication	Amber (General Fault), Red (Shutdown Fault) LEDs
Connectivity	CAN bus compatible (requires appropriate harness)
First Available Date	January 15, 2025

9. Warranty and Support

For technical support or warranty inquiries, please contact the seller or manufacturer. Keep your purchase receipt as proof of purchase.
Manufacturer: SLYQMC
Contact: Refer to your purchase documentation or the SLYQMC official website for contact information.

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