Notifier NLCD160

Notifier LCD-160 Liquid Crystal Display (LCD) Annunciator User Manual

MODEL: NLCD160

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Notifier LCD-160 Liquid Crystal Display (LCD) Annunciator. The LCD-160 is designed to provide remote display and control capabilities for Notifier NFS-3030 and NFS2-3030 fire alarm control panels.

The LCD-160 features a 160-character display, allowing for clear and concise presentation of system events, status, and messages. It serves as an essential component for monitoring and managing fire safety systems from a remote location.

Image 1.1: Front view of the Notifier LCD-160 Liquid Crystal Display Annunciator.

2. SETUP

Before beginning installation, ensure all components are present and undamaged. Handle all electronic components with care, observing proper electrostatic discharge (ESD) precautions.

2.1 Unpacking the Unit

Carefully remove the LCD-160 unit and its accessories from the packaging. Inspect for any signs of physical damage incurred during shipping. Retain all packaging materials for future transport or storage.

Image 2.1: The Notifier LCD-160 unit as received in its original packaging box.

Image 2.2: The LCD-160 unit sealed within its protective anti-static bag, ensuring component safety.

2.2 ESD Precautions

The LCD-160 contains static-sensitive components. Always wear an anti-static wrist strap and work on a grounded surface when handling the circuit board or making connections. Avoid touching exposed circuitry directly.

Image 2.3: An anti-static bag containing connection components, with a clear warning about handling static-sensitive devices.

Image 2.4: The main circuit board of the LCD-160, still protected within its anti-static packaging, showing various electronic components.

Image 2.5: A close-up view of a label on the LCD-160 circuit board, indicating model information and compliance details.

2.3 Wiring and Connection

Refer to the specific installation manual for the NFS-3030 or NFS2-3030 panel for detailed wiring diagrams and connection procedures. The LCD-160 connects to the main fire alarm control panel via a dedicated communication bus. Ensure all connections are secure and correctly terminated to prevent communication errors.

2.4 Power-Up and Initial Test

Once all connections are made, apply power to the fire alarm control panel. The LCD-160 should power on and display its initial boot sequence. Verify proper communication with the main panel by observing the display for system status messages.

3. OPERATING INSTRUCTIONS

The LCD-160 serves as a remote annunciator, providing real-time information about the fire alarm system's status. It displays events such as alarms, troubles, and supervisory signals, and allows for certain control functions depending on system configuration.

3.1 Display Navigation

Use the navigation buttons (typically arrow keys) on the LCD-160 to scroll through event logs, view detailed information about specific points, and access various system menus. The display will show prompts and instructions for navigation.

3.2 Acknowledging Events

When an event occurs (e.g., an alarm), the LCD-160 will display the event and typically activate an audible tone. Press the 'Acknowledge' button to silence the local annunciator tone and acknowledge the event on the system. This does not clear the event but confirms it has been noted.

3.3 Resetting the System

After an alarm or trouble condition has been resolved, the system may need to be reset. Press the 'System Reset' button on the LCD-160 (if enabled and configured) to clear active alarms and restore the system to its normal operating state. Ensure all conditions are clear before attempting a reset.

4. MAINTENANCE

Regular maintenance ensures the continued reliable operation of the LCD-160 and the overall fire alarm system. Perform the following tasks periodically:

- **Cleaning:** Gently wipe the display and exterior casing with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents, as these can damage the display or finish.
- **Visual Inspection:** Periodically inspect the unit for any signs of physical damage, loose connections, or unusual conditions.
- **Functional Test:** As part of routine fire alarm system testing, verify that the LCD-160 accurately displays system status and that all buttons are responsive.

5. TROUBLESHOOTING

This section provides guidance for common issues. For complex problems, contact qualified service personnel.

- **Display is Blank:**
  - Check power supply to the main fire alarm control panel.
  - Verify communication wiring between the LCD-160 and the main panel.
  - Ensure the unit is securely connected to its power source.

- **No Communication with Main Panel:**

    - Inspect communication wiring for breaks, shorts, or incorrect termination.
    - Confirm the main fire alarm control panel is operational.
    - Check the address settings of the LCD-160 (if applicable) to ensure it matches the system configuration.

- **Buttons Unresponsive:**

    - Gently press buttons to ensure they are not stuck.
    - Power cycle the main fire alarm control panel (if safe to do so and following proper procedures).

If troubleshooting steps do not resolve the issue, contact a certified Notifier technician or your fire safety equipment supplier.

6. SPECIFICATIONS

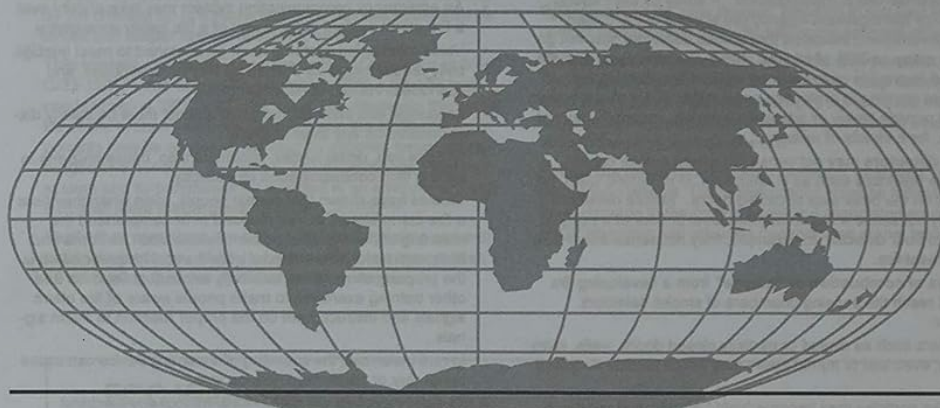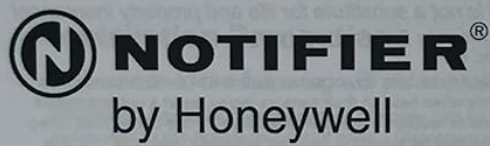| Feature	Specification
Model Number	NLCD160
Display Type	Liquid Crystal Display (LCD)
Character Capacity	160 characters
Compatibility	Notifier NFS-3030, NFS2-3030, NCA-2
Item Weight	2 pounds (approx. 0.91 kg)
Manufacturer	NOTIFIER
UPC	072632853811

7. WARRANTY AND SUPPORT

7.1 Warranty Information

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact your authorized Notifier distributor. Warranties typically cover defects in materials and workmanship under normal use.

7.2 Technical Support

For technical assistance, installation guidance, or advanced troubleshooting, please contact your fire safety equipment supplier or an authorized Notifier service provider. Ensure you have your product model number (NLCD160) and any relevant system details available when seeking support.

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Liquid Crystal Display
LCD-160
Manual

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Image 7.1: The cover of the official Liquid Crystal Display LCD-160 Manual, indicating detailed documentation is available.