

## Notifier NBG-12LRA

# Notifier NBG-12LRA Dual-Action Agent Release Station User Manual

Model: NBG-12LRA

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of the Notifier NBG-12LRA Dual-Action Agent Release Station. The NBG-12LRA is a critical component in fire suppression systems, designed to manually initiate the release of a fire suppression agent upon activation. It features a dual-action mechanism to prevent accidental activation and includes an abort function. It is imperative that all personnel involved in the installation, testing, or maintenance of this device read and understand this manual completely. Adherence to these instructions, along with all applicable local and national fire codes, is mandatory for safe and effective system operation.

## 2. SAFETY INFORMATION

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**WARNING: Installation and maintenance of this device must be performed by qualified personnel only. Failure to follow these instructions may result in property damage, serious injury, or death.**

- Always disconnect power to the fire alarm control panel (FACP) before installing, servicing, or removing the device.
- Ensure all wiring complies with local and national electrical codes, as well as the requirements of the National Fire Protection Association (NFPA).
- Do not operate the device if it appears damaged.
- Test the device regularly as per NFPA standards and local authority having jurisdiction (AHJ) requirements.
- This device is part of a fire suppression system. Understand the full system operation before testing or activating.

## 3. SETUP AND INSTALLATION

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The NBG-12LRA is designed for surface or semi-flush mounting. Refer to the detailed wiring diagrams provided in the complete installation manual for specific connections to the Fire Alarm Control Panel

(FACP).

### 3.1 Mounting

1. Select a suitable location in accordance with local fire codes and system design specifications.
2. Mount the backbox securely to a wall or surface using appropriate fasteners.
3. Ensure the mounting height is compliant with ADA requirements and local codes.

### 3.2 Wiring

Connect the NBG-12LRA to the FACP using the terminal block provided. Ensure correct polarity and wire gauge. The device requires connection to an initiating device circuit (IDC) or a signaling line circuit (SLC) depending on the FACP model and system design. Consult the FACP manual for specific wiring requirements.

The NBG-12LRA includes a key lock for authorized access to the internal components and for resetting the station after activation.



Figure 1: Front view of the Notifier NBG-12LRA Dual-Action Agent Release Station. This image shows the red housing, the dual-action pull handle with "PULL DOWN" and "PUSH IN" instructions, and the key lock for resetting the device.

## 4. OPERATING INSTRUCTIONS

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The NBG-12LRA is a dual-action device, requiring two distinct steps for activation to prevent accidental discharge of the fire suppression agent.

## 4.1 Activating the Station

1. **PUSH IN:** Firmly push the "PUSH IN" bar.
2. **PULL DOWN:** While the bar is pushed in, pull the handle down.

Upon successful activation, the handle will lock in the down position, and the FACP will receive a signal to initiate the agent release sequence.

## 4.2 Abort Function

The NBG-12LRA includes an abort function. If an accidental activation occurs or the agent release is no longer necessary, the abort button (if connected and configured) can be pressed to halt the release sequence. Refer to the FACP manual and system design documents for specific abort functionality and timing.

## 4.3 Resetting the Station

After activation, the NBG-12LRA must be reset using the supplied key.

1. Insert the key into the lock on the front of the station.
2. Turn the key to release the handle.
3. Return the handle to its original upright position.
4. Remove the key.

The FACP will then need to be reset according to its specific instructions.

# 5. MAINTENANCE

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Regular maintenance ensures the reliable operation of the NBG-12LRA. All maintenance should be performed by qualified service personnel.

## 5.1 Inspection

- Visually inspect the station monthly for any signs of physical damage, tampering, or obstructions.
- Ensure the unit is clean and free from dust or debris.
- Verify that all labels are legible and intact.

## 5.2 Testing

The NBG-12LRA should be tested annually, or more frequently as required by local codes and the AHJ. Testing procedures should be performed in conjunction with the FACP and the entire fire suppression system.

1. Notify all occupants and the monitoring station before initiating any tests.
2. Place the FACP in test mode to prevent accidental agent discharge.
3. Activate the NBG-12LRA as described in Section 4.1.
4. Verify that the FACP receives the alarm signal.
5. Reset the NBG-12LRA using the key.
6. Reset the FACP.
7. Document all test results.

## 6. TROUBLESHOOTING

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This section provides basic troubleshooting steps. For complex issues, contact a qualified fire alarm technician.

Problem	Possible Cause	Solution
Station does not activate FACP.	Incorrect wiring. Faulty FACP input. Damaged station.	Verify wiring connections. Check FACP for fault indications. Inspect station for physical damage. Contact technician.
Station cannot be reset.	Incorrect key. Internal mechanism jammed.	Ensure correct key is used. Do not force. Contact technician.
False alarms.	Improper installation. Environmental factors. Faulty wiring/device.	Review installation guidelines. Check for external interference. Contact technician for diagnosis.

## 7. SPECIFICATIONS

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The following specifications are for the Notifier NBG-12LRA Dual-Action Agent Release Station:

- **Model:** NBG-12LRA
- **Part Number:** NNBG12LRA
- **Manufacturer:** NOTIFIER
- **Action Type:** Dual-Action (Push In, Pull Down)
- **Function:** Agent Release with Abort
- **Color:** Red
- **Power Source:** Manual (operates via FACP power for signaling)
- **Alarm Type:** Audible (via FACP, not integrated into station)
- **UPC:** 767571883165
- **Style:** Safety
- **Item Package Quantity:** 1

## 8. WARRANTY AND SUPPORT

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Notifier products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the official Notifier warranty statement included with the product packaging or available on the Notifier website.

For technical support, service, or to report issues, please contact your authorized Notifier distributor or visit the official Notifier website for contact information. When contacting support, please have your product model number (NBG-12LRA) and serial number (if applicable) ready.

**Notifier Official Website:** [www.notifier.com](http://www.notifier.com)

