

## NAPCO GEM-RP8

# NAPCO GEM-RP8 Keypad User Manual

Model: GEM-RP8 | Compatible with GEMP400/800 Security Systems

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the NAPCO GEM-RP8 Keypad. The GEM-RP8 is designed to interface with NAPCO GEMP400 and GEMP800 series security control panels, offering a user-friendly interface for managing your security system. Please read this manual thoroughly before attempting any installation or operation to ensure proper functionality and safety.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the reliable operation of your GEM-RP8 Keypad. If you are unsure about any step, consult a qualified security technician.

### 2.1. Unpacking the Keypad

Carefully remove the keypad from its packaging. Verify that all components are present and undamaged. Retain the packaging for future use or in case of return.

### 2.2. Mounting Location

Select a suitable indoor location for mounting the keypad. The location should be easily accessible to users, away from direct sunlight, extreme temperatures, and high humidity. Avoid mounting near strong electromagnetic interference sources.

### 2.3. Wiring Connections

The GEM-RP8 Keypad connects to the control panel via a 4-wire bus. Ensure the control panel is powered off before making any wiring connections. Connect the wires as follows:

- **Red:** +12V DC Power
- **Black:** Ground (GND)
- **Yellow:** Data In (from panel)
- **Green:** Data Out (to panel)

Refer to your specific GEMP400 or GEMP800 control panel installation manual for detailed wiring diagrams and

bus connection points.

### 3. OPERATING INSTRUCTIONS

---

This section outlines the basic functions and operations of the GEM-RP8 Keypad.

#### 3.1. Keypad Layout and Indicators

The keypad features a numerical pad (0-9), dedicated function keys, and status indicator lights. Familiarize yourself with these components for efficient system operation.

- **Numerical Keys (0-9):** Used for entering user codes and programming data.
- **ARM Key:** Activates the security system.
- **DISARM Key:** Deactivates the security system.
- **BYPASS Key:** Allows specific zones to be temporarily excluded from arming.
- **PANIC Key:** Activates an immediate alarm (check local regulations for use).
- **STATUS Indicator:** Displays the current status of the security system (e.g., Armed, Disarmed, Trouble).

#### 3.2. Arming the System

To arm your security system:

1. Ensure all protected zones are closed (doors/windows).
2. Enter your 4-digit or 6-digit user code.
3. Press the **ARM** key.
4. The keypad will emit a series of beeps, indicating the exit delay. Exit the protected area within this time.
5. The STATUS indicator will change to indicate the system is armed.

#### 3.3. Disarming the System

To disarm your security system:

1. Enter the protected area. The entry delay will begin.
2. Enter your 4-digit or 6-digit user code.
3. Press the **DISARM** key.
4. The keypad will emit a single beep, and the STATUS indicator will show the system is disarmed.

#### 3.4. Bypassing Zones

To bypass a zone (e.g., a window you wish to leave open):

1. Enter your user code.
2. Press the **BYPASS** key.
3. Enter the 2-digit zone number you wish to bypass.
4. Press the **BYPASS** key again to confirm.
5. The keypad will confirm the bypassed zone. Bypassed zones are typically reset when the system is disarmed.

#### 3.5. Changing User Codes

User codes can be changed by the Master User. Refer to your control panel's programming manual for specific steps on entering programming mode and modifying user codes. Generally, this involves entering a master code, selecting a user slot, and entering the new code.

## 4. MAINTENANCE

---

The NAPCO GEM-RP8 Keypad requires minimal maintenance to ensure continued reliable operation.

- **Cleaning:** Wipe the keypad surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the keypad.
- **Regular Testing:** Periodically test your security system, including the keypad, in conjunction with your monitoring station (if applicable) to ensure all components are functioning correctly.
- **Power Supply:** Ensure the control panel providing power to the keypad has a stable power supply and backup battery.

## 5. TROUBLESHOOTING

---

This section provides solutions to common issues you might encounter with your GEM-RP8 Keypad.

| Problem                          | Possible Cause                                      | Solution   |
|----------------------------------|---|--|
| Keypad is unresponsive or blank. | No power or wiring issue.                           | Check power to the control panel. Verify all 4-wire connections are secure and correct.  |
| System fails to arm.             | Open zones, incorrect user code, or system trouble. | Check keypad display for open zones and close them. Re-enter user code carefully. Check for trouble indicators on the keypad.                    |
| Keypad beeps continuously.       | Trouble condition or alarm memory.                  | Check the keypad display for specific trouble messages. Disarm the system to clear alarm memory. Consult control panel manual for trouble codes. |
| Incorrect code entered message.  | User code entered incorrectly.                      | Ensure the correct user code is entered. If forgotten, contact the Master User or installer.   |

## 6. SPECIFICATIONS

---

**Model:** GEM-RP8

**Brand:** NAPCO

**Compatibility:** NAPCO GEMP400/GEMP800 Series Control Panels

**Item Weight:** 1 pound (approximately 16 ounces)

**Package Dimensions:** 8 x 6 x 2 inches

**Power Requirement:** 12V DC (supplied by control panel)

**Connectivity:** 4-wire data bus

## 7. SUPPORT

---

For further assistance, technical support, or warranty information, please contact your authorized NAPCO dealer or visit the official NAPCO website. Do not attempt to service the keypad yourself beyond the troubleshooting steps provided in this manual.