

SILENT KNIGHT 5860R

Silent Knight 5860R Remote Annunciator User Manual

Model: 5860R

1. INTRODUCTION

The Silent Knight 5860R Remote Annunciator is designed to provide remote operation and programming capabilities for an IntelliKnight system. This device allows users to manage the fire alarm system from up to eight different locations within a facility, mirroring the functionality of the main IntelliKnight panel's built-in annunciator.

Equipped with an 80-character display and an ergonomically designed keypad, the 5860R facilitates straightforward and accurate system interaction. It supports all primary operations, including system reset, alarm silencing, detector status checking, fire drill activation, and programming functions. Access to the system is secured via a firefighter's key or a user-defined access code. Programming functions require a special installation code for enhanced security. The 5860R connects to the IntelliKnight panel using the RS-485 system bus.



Figure 1: Silent Knight 5860R Remote Annunciator. This image displays the front view of the red annunciator unit, featuring its 80-character display and keypad.

2. SETUP AND INSTALLATION

Proper installation of the 5860R Remote Annunciator is crucial for reliable operation. It must be connected to an IntelliKnight system via the RS-485 system bus.

2.1 Mounting

1. Select a suitable location for the annunciator, ensuring it is easily accessible and visible.
2. Mount the annunciator securely to a wall or appropriate surface using the provided mounting hardware. Ensure the mounting surface can support the unit's weight.

2.2 Wiring

1. **Power Connection:** Connect the annunciator to a stable power source as specified in the IntelliKnight system documentation.

2. **RS-485 Bus Connection:** Connect the RS-485 communication lines from the IntelliKnight panel to the corresponding terminals on the 5860R. Ensure correct polarity (A to A, B to B) to prevent communication errors.
3. **Grounding:** Ensure the unit is properly grounded according to local electrical codes and manufacturer guidelines.

2.3 Initial Configuration

1. After wiring, power on the IntelliKnight system and the 5860R annunciator.
2. The annunciator should display an initial boot-up sequence.
3. Refer to the IntelliKnight system's main manual for specific instructions on adding and configuring remote annunciators on the RS-485 bus. This typically involves assigning a unique address to each 5860R unit.

3. OPERATING INSTRUCTIONS

The 5860R Remote Annunciator provides a user interface identical to the main IntelliKnight panel. Access to operations requires a firefighter's key or an access code.

3.1 Accessing the System

- **Firefighter's Key:** Insert and turn the firefighter's key to enable full operational access.
- **Access Code:** Enter the valid access code using the keypad when prompted by the display.

3.2 Keypad and Display Navigation

Use the keypad for data entry and menu navigation. The 80-character display provides system status, event messages, and menu options.

3.3 Common Operations

- **System Reset:** After an alarm or trouble condition, press the **RESET** button and confirm the action on the display. This clears active alarms and restores the system to a normal state, provided all initiating devices have reset.
- **Alarm Silence:** During an alarm, press the **SILENCE** button to silence audible notification appliances. The alarm condition will remain indicated on the display until reset.
- **Detector Status Checking:** Navigate through the menu to view the status of individual detectors and zones. This allows for quick identification of active or troubled devices.
- **Fire Drill:** Initiate a fire drill by selecting the appropriate option from the menu. This activates notification appliances for testing purposes without dispatching emergency services.
- **Programming:** Access programming functions by entering the special installation code. This allows for configuration changes, such as zone assignments, device settings, and system parameters. *Only authorized personnel with proper training should attempt programming.*

4. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your 5860R Remote Annunciator.

- **Cleaning:** Periodically clean the display and keypad with a soft, dry, lint-free cloth. Avoid abrasive cleaners or solvents.
- **Visual Inspection:** Regularly inspect the unit for any signs of physical damage, loose connections, or environmental issues (e.g., excessive dust, moisture).
- **Functional Testing:** As part of your routine fire alarm system testing, verify the annunciator's display, keypad, and operational functions (e.g., reset, silence) are working correctly. Refer to local codes and standards for required testing frequency.

- **Firmware Updates:** Consult Silent Knight technical support or your authorized service provider for information on available firmware updates.

5. TROUBLESHOOTING

This section provides guidance for common issues encountered with the 5860R Remote Annunciator.

Problem	Possible Cause	Solution
Annunciator display is blank.	No power, loose power connection, unit fault.	• Verify power supply to the unit. • Check all power and communication wiring for secure connections. • If power is present and connections are secure, contact technical support.
Communication error with IntelliKnight panel.	Incorrect RS-485 wiring, address conflict, bus termination issues.	• Verify RS-485 wiring polarity (A to A, B to B). • Ensure each annunciator has a unique address configured in the IntelliKnight panel. • Check RS-485 bus termination resistors if applicable. • Consult the IntelliKnight system manual for RS-485 troubleshooting.
Keypad buttons are unresponsive.	Keypad fault, temporary software glitch.	• Perform a system reset (if possible from the main panel). • Power cycle the annunciator (turn off and on). • If the issue persists, contact technical support.

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact Silent Knight technical support or an authorized service technician.

6. SPECIFICATIONS

- **Model Number:** 5860R
- **Manufacturer:** SILENT KNIGHT SECURITY
- **Display:** 80-character alphanumeric display
- **Interface:** Ergonomic keypad
- **Connectivity:** RS-485 system bus
- **Dimensions:** Approximately 7 x 9 x 2 inches (17.78 x 22.86 x 5.08 cm)
- **Item Weight:** Approximately 2.55 pounds (1.16 kg)
- **Color:** Red
- **Power Source:** System powered (Note: While product specifications may list 'Battery Powered', this typically refers to the main IntelliKnight panel's battery backup, as the annunciator itself is powered via the RS-485 bus.)
- **Special Features:** Ergonomic design, secure access via firefighter's key or access code, installation code for programming.

7. WARRANTY INFORMATION

Silent Knight products are typically covered by a limited warranty. For specific warranty terms, conditions, and duration applicable to the 5860R Remote Annunciator, please refer to the official warranty documentation provided with your product or visit the Silent Knight official website. Warranty claims should be processed through an authorized Silent Knight distributor or service center.

8. SUPPORT AND CONTACT

For technical assistance, service, or further information regarding the Silent Knight 5860R Remote Annunciator, please contact your authorized Silent Knight distributor or the manufacturer directly.

- **Manufacturer:** SILENT KNIGHT SECURITY
- **Website:** Refer to official Silent Knight documentation for the most current website and contact information.
- **Technical Support:** Contact details for technical support are typically found on the manufacturer's website or in the product packaging.

When contacting support, please have your product model number (5860R) and any relevant system information ready.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question