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SmartLiving 1050L Alarm Control Panel User Manual

Model: 1050L

Brand: INIM Electronics

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the INIM Electronics SmartLiving 1050L Alarm Control Panel. The SmartLiving 1050L is a sophisticated security system designed to manage and protect your premises with advanced features and reliable performance. Please read this manual thoroughly before attempting to install or operate the device.

2. PRODUCT OVERVIEW

The SmartLiving 1050L is a central control unit capable of managing up to 50 zones (referred to as "Cosses-Box" in some contexts). It features a main board with 10 programmable inputs, 1 relay output, and 2 programmable open collector (O.C.) outputs. The system supports digital modem communication and optional voice communication. It integrates with SmartLogos30 for managing 10 zones and supports up to 50 tags and 100 proximity codes. A cyclic memory stores up to 500 events for review.

2.1. Key Features

- Manages up to 50 zones (Cosses-Box).
- 10 programmable inputs.
- 1 relay output and 2 programmable O.C. outputs.
- Digital modem for communication and programming.
- Optional voice communication support.
- SmartLogos30 integration for 10 manageable zones.
- Supports up to 50 tags and 100 proximity codes.
- Cyclic memory for up to 500 events.
- Compatible with smartphones for remote management.
- Audio-only alert type.

2.2. Package Contents

Ensure all items are present before proceeding with installation:

- SmartLiving 1050L Main Control Board
- White Metal Casing

- 3 A 13.8 V DC Power Supply
- User Manual (this document)

Note: Batteries are not included and must be purchased separately if battery backup is desired. The system supports up to two 12V DC @ 17Ah batteries.



Figure 1: SmartLiving 1050L Alarm Control Panel main unit. This image shows the primary component of the alarm system, typically housed within its protective white metal casing.

3. SETUP AND INSTALLATION

Proper installation is crucial for the reliable operation of your SmartLiving 1050L system. It is recommended that installation be performed by a qualified technician.

3.1. Mounting the Control Panel

1. Select a secure, dry, and easily accessible location for the control panel, away from direct sunlight, heat sources, and strong electromagnetic fields.
2. Open the white metal casing.
3. Using appropriate screws (not included), securely mount the casing to a wall or flat surface. The installation method is screw-in.
4. Ensure the casing is level and firmly attached.

3.2. Power Connection

1. Connect the provided 3 A 13.8 V DC power supply to the designated power input terminals on the main control board.
2. If using battery backup, connect up to two 12V DC @ 17Ah batteries to the battery terminals. Observe correct polarity. These batteries are not included.
3. Once all connections are made, plug the power supply into a suitable electrical outlet.

3.3. Wiring Inputs and Outputs

Refer to the wiring diagram provided with the control panel for specific terminal assignments. The system includes:

- **10 Programmable Inputs:** Connect various sensors (e.g., motion detectors, door/window contacts) to these inputs.
- **1 Relay Output:** Can be configured to control external devices (e.g., siren, strobe light).

- **2 Programmable O.C. Outputs:** Open Collector outputs for additional device control.

Ensure all wiring is secure and correctly terminated to prevent false alarms or system malfunctions. The system supports both wired and radio connectivity for peripherals.

3.4. Initial Configuration

After physical installation, the control panel requires initial programming. This typically involves:

- Defining zones and their characteristics.
- Setting up user codes and proximity tags.
- Configuring communication settings for the digital modem.
- Testing all connected sensors and outputs.

Detailed programming instructions are usually found in a separate installer's manual or software interface documentation.

4. OPERATING THE SYSTEM

This section covers the basic operation of your SmartLiving 1050L alarm system.

4.1. Arming and Disarming

- **Using a Code:** Enter your personal user code on the keypad followed by the ARM or DISARM command.
- **Using a Proximity Tag:** Present your registered proximity tag to the system's reader.
- **Via Smartphone:** If configured, use the compatible smartphone application to remotely arm or disarm the system.

The system will provide an audio confirmation of the arming/disarming status.

4.2. Zone Management

The SmartLiving 1050L allows management of up to 10 zones via SmartLogos30. Consult your installer or the system's programming guide for details on how to bypass specific zones or check their status.

4.3. Event Log

The system maintains a cyclic memory of up to 500 events. This log records system activities such as arming/disarming, alarms, faults, and user actions. Access the event log through the system keypad or connected software for review.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your alarm system.

5.1. Cleaning

Wipe the exterior of the control panel casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray liquids directly onto the unit.

5.2. Battery Replacement (if applicable)

If your system utilizes backup batteries, they should be checked periodically and replaced every 3-5 years, or as indicated by the system's low battery warning. To replace batteries:

1. **Warning:** Disconnect main AC power to the control panel before opening the casing.
2. Open the control panel casing.
3. Carefully disconnect the old batteries, observing polarity.

4. Install new 12V DC @ 17Ah batteries, ensuring correct polarity.
5. Close the casing and reconnect main AC power.
6. Dispose of old batteries according to local regulations.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your SmartLiving 1050L system.

Problem	Possible Cause	Solution
System is not powering on.	No AC power; faulty power supply; disconnected battery.	Check AC outlet and power supply connection. Ensure backup batteries (if installed) are connected and charged.
Zone fault indication.	Open circuit on a sensor; faulty sensor; wiring issue.	Check the specific zone indicated. Inspect sensor and wiring for damage or disconnections. Bypass the zone temporarily if necessary.
Communication error.	Telephone line issue; modem fault; incorrect settings.	Verify telephone line connection. Check modem settings in programming. Contact your service provider if line issues persist.
Keypad unresponsive.	Keypad connection issue; power issue to keypad.	Check keypad wiring and power supply. Restart the system by disconnecting and reconnecting power.

If you are unable to resolve an issue using the troubleshooting steps above, please contact your installer or INIM Electronics technical support.

7. SPECIFICATIONS

Feature	Detail
Model Number	1050L
Manufacturer	Inim
Brand	INIM Electronics
Color	White
Power Supply	3 A 13.8 V DC (included)
Battery Backup (Optional)	Supports up to two 12V DC @ 17Ah batteries (not included)
Installation Method	Screw-in
Programmable Inputs	10
Relay Outputs	1
Open Collector (O.C.) Outputs	2 (programmable)
Manageable Zones (SmartLogos30)	10
Max. Cosses-Box Management	50
Max. Tags Supported	50
Max. Proximity Codes Supported	100

Feature	Detail
Event Memory	Up to 500 events (cyclic)
Connectivity Technology	Wired, Radio
Compatible Devices	Smartphone
Alert Type	Audio only
Certifications	EN 50131-3, EN 50131-6 IMQ

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your authorized INIM Electronics dealer. Technical support can be obtained through your installer or by visiting the official INIM Electronics website for contact details.

Official Website: www.inim.biz