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Ramset 800-65-61

Ramset Intelligate Control Board 800-65-61 ETL AC Logic User Manual

Model: 800-65-61

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Ramset Intelligate Control Board, model 800-65-61 ETL AC Logic. This high-performance control board is designed for seamless integration with Ramset gate operators, offering advanced functionality and reliable control for various gate automation systems. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

IMPORTANT SAFETY INFORMATION

WARNING: Improper installation or use can lead to serious injury or death. Always follow all instructions and local electrical codes.

- Installation must be performed by qualified personnel only.
- Disconnect all power to the gate operator before performing any service or maintenance.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Keep hands and clothing clear of moving gate parts.
- Do not allow children to operate or play near the gate system.
- Regularly inspect the gate system for proper operation and safety features.

PRODUCT OVERVIEW

The Ramset Intelligate Control Board 800-65-61 ETL AC Logic is a central component for managing Ramset gate operators. It provides advanced logic control for efficient and secure gate automation in residential, commercial, and

industrial settings. This board is ETL Listed, ensuring compliance with safety standards.

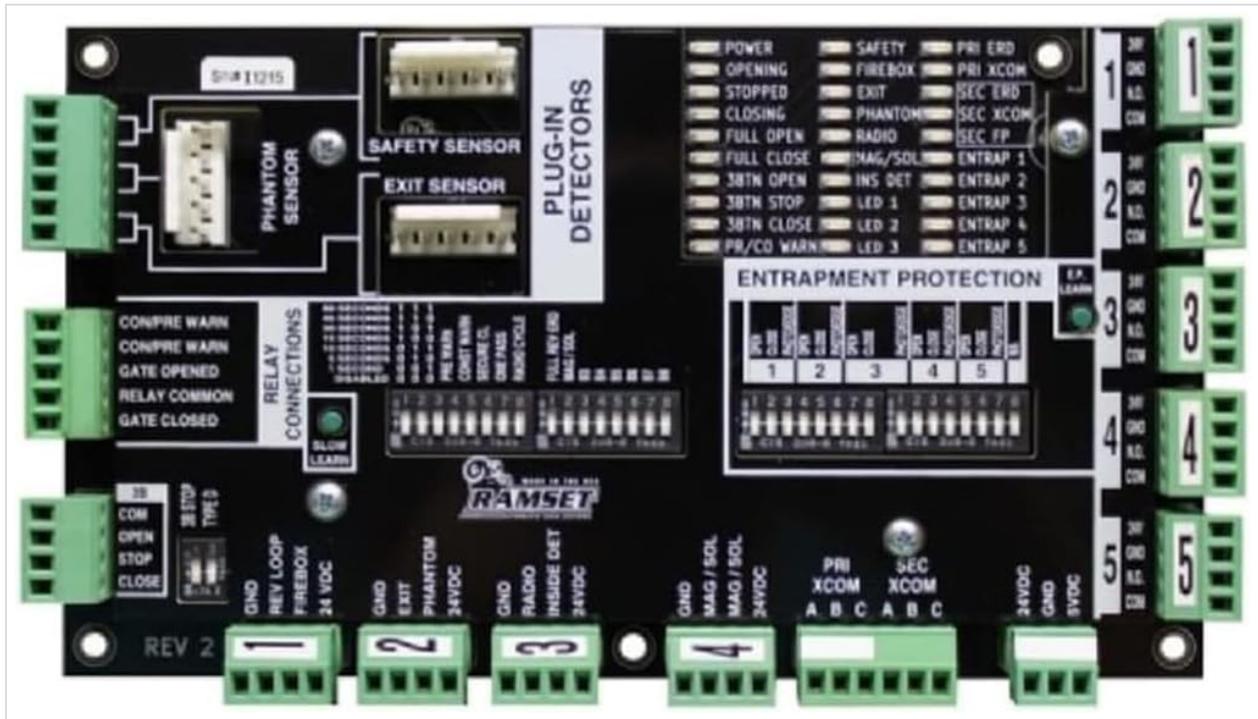


Figure 1: Ramset Intelligate Control Board 800-65-61. This image shows the main circuit board with various connectors and components, designed for controlling gate operators.

Key Features:

- **Advanced Gate Logic Control:** Engineered for smooth and efficient gate operation.
- **ETL Listed:** Meets industry standards for reliable and secure use.
- **Enhanced Security Features:** Provides precise control over gate functions.
- **Compatibility:** Designed for seamless integration with Ramset Gate Operators.
- **Reliable and Durable:** Constructed for long-term performance in various environments.
- **Simplified Installation & Maintenance:** Intuitive design for straightforward setup and upkeep.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package for model 800-65-61 includes:

- Ramset Intelligate Control Board (Model 800-65-61 ETL AC Logic)
- *Note: The product description mentions "800-65-01 ETL AC Logic Board – Advanced gate logic control – Dedicated gate motor driver functionality." This implies the 800-65-61 is a specific configuration or includes these functionalities.*

SETUP AND INSTALLATION

IMPORTANT: Installation of the Ramset Intelligate Control Board should only be performed by a certified technician or qualified installer. Incorrect installation can void the warranty and pose significant safety risks.

General Installation Steps:

1. **Power Disconnection:** Ensure all power to the gate operator system is completely disconnected at the main breaker before beginning any work.
2. **Access Control Box:** Open the gate operator's control box to access the existing control board.
3. **Remove Old Board (if applicable):** Carefully disconnect all wiring from the old control board, noting the position of each wire for proper re-connection. Take photos for reference if necessary.
4. **Mount New Board:** Securely mount the Ramset Intelligate Control Board 800-65-61 in the designated location within the control box.
5. **Wire Connections:** Connect all necessary power, motor, safety device, and accessory wires to the new control board according to the wiring diagram provided with your specific gate operator model. Refer to the gate operator's manual for detailed wiring instructions.
6. **Initial Power-Up:** Once all connections are secure, restore power to the system.
7. **Configuration:** Follow the specific programming instructions for your Ramset gate operator to configure limits, safety features, and operational parameters.
8. **Testing:** Thoroughly test all gate functions, including open/close cycles, safety reversals, and accessory operations, before putting the gate into service.

OPERATING INSTRUCTIONS

The Ramset Intelligate Control Board 800-65-61 manages the operation of your gate operator. Once properly installed and configured, the gate system can be operated using various methods, depending on your setup:

- **Remote Control:** Press the designated button on your remote transmitter to open or close the gate.
- **Keypad Entry:** Enter your programmed access code on the keypad to activate the gate.
- **Intercom/Call Box:** Use the intercom system to signal the gate to open.
- **Loop Detectors:** Vehicles passing over an inductive loop will trigger the gate to open.
- **Safety Devices:** Photoelectric sensors or safety edges will stop or reverse the gate if an obstruction is detected.

Always ensure the gate path is clear before and during operation. Do not attempt to force the gate manually unless the power is disconnected and the manual release mechanism is engaged.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your gate system. While the control board itself requires minimal maintenance, periodic checks of the overall system are crucial.

Recommended Maintenance Schedule:

- **Monthly:**

- Test all safety devices (photoelectric sensors, safety edges) for proper function.
- Inspect the gate path for any obstructions.
- Check for smooth gate movement and listen for unusual noises.

- **Annually (by a qualified technician):**

- Inspect all wiring connections for corrosion or looseness.
- Check the control board for any signs of damage or wear.
- Verify proper voltage supply to the control board.
- Lubricate mechanical parts of the gate operator as per its specific manual.

Always disconnect power before performing any maintenance inside the control box.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For complex problems, contact a qualified gate technician.

Problem	Possible Cause	Solution
Gate does not respond to commands.	No power; remote battery dead; safety device obstructed; control board fault.	Check power supply; replace remote battery; clear safety device path; inspect control board for visible damage (with power off).
Gate opens but does not close.	Safety device obstruction; close limit switch issue; wiring fault.	Check safety devices; inspect close limit switch; verify wiring connections.
Gate reverses unexpectedly.	Obstruction detected by safety device; force settings too sensitive.	Clear obstructions; adjust force settings (refer to gate operator manual).
Control board indicator lights are off.	No power to the board; blown fuse.	Check main power supply; inspect and replace fuses on the control board (if applicable, with power off).

SPECIFICATIONS

Manufacturer	Ramset
Part Number	800-65-61
Item Model Number	800-65-61
Item Weight	4 pounds
Product Dimensions	12 x 10 x 1 inches
Color	Black

Included Components	800-65-01 ETL AC Logic Board – Advanced gate logic control – Dedicated gate motor driver functionality.
Date First Available	February 13, 2025

WARRANTY AND SUPPORT

For specific warranty information regarding your Ramset Intelligate Control Board 800-65-61, please refer to the documentation provided at the time of purchase or contact Ramset customer support. Warranty terms typically cover manufacturing defects for a specified period.

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact your authorized Ramset dealer or visit the official Ramset website for support contact details.