Cisa 1A731000

Cisa Elettrika 1A731 Electric Lock for Metal

Instruction Manual

Brand: Cisa | Model: 1A731000

1. Introduction

The Cisa Elettrika 1A731 is an innovative electric lock designed for metal gates and doors, featuring a robust rotary hook deadbolt system. This manual provides essential information for the proper installation, operation, and maintenance of your Cisa Elettrika lock to ensure optimal performance and longevity.
Key features include a pull resistance of up to 2000 kg, excellent vibration and impact strength, and a protective steel case. The Elettrika lock is non-handed and offers a variable backset from 50 to 80 mm, making it highly adaptable for various applications. It is also equipped with a self-adjusting 'swinging rod' striker and an innovative reloading system for silent operation.

2. Safety Information

- Always disconnect power before performing any installation, maintenance, or repair work on the lock.
- Ensure all electrical connections comply with local electrical codes and standards.
- Use appropriate personal protective equipment (PPE) during installation.
- Do not attempt to modify the lock's internal components, as this may void the warranty and compromise security.
- Keep children and unauthorized personnel away from the installation area.

3. Product Overview

The Cisa Elettrika 1A731 is an electric lock designed for high security and durability. It features a unique rotary hook deadbolt mechanism and is suitable for steel gates and doors. The lock is supplied with a weld-on backplate for secure mounting.

Figure 3.1: Cisa Elettrika 1A731 Electric Lock with push button. This image shows the overall design of the lock unit, highlighting its robust construction and integrated push-button for internal operation.

Key Features:

- **Rotary Hook Deadbolt:** Provides high pull resistance up to 2000 kg.
- **Protective Steel Case:** Encloses the lock and striker for enhanced security and durability.
- **Non-Handed Design:** Patented system allows for universal application without needing to specify left or right-hand orientation.
- **Variable Backset:** Adjustable from 50 mm to 80 mm for flexible installation.
- **Self-Adjusting Striker:** 'Swinging rod' striker active both vertically and horizontally.
- **Silent Operation:** Innovative reloading system reduces noise during opening and closing.
- **Hold Open Device:** Allows the lock to be blocked in the open position (when selected).
- **Internal Push Button:** For manual opening from the inside, with an option to block it via the inside cylinder.

4. Setup and Installation

The Cisa Elettrika lock is designed for straightforward installation on metal gates and doors. It is interchangeable with many existing lock types on the market. A weld-on backplate is included for secure mounting.

4.1 Dimensions and Measurements

Refer to the diagram below for precise measurements and dimensions required for installation.

Figure 4.1: Cisa Elettrika 1A731 Lock Dimensions. This diagram provides detailed measurements for the lock body and strike plate, crucial for accurate installation.

- **Lock Body Size:** 110H x 204W x 60D (mm)
- **Strike Size:** 31H x 94W x 37D (mm)
- **Variable Backset:** 50 mm to 80 mm

4.2 Handedness Adjustment

The Elettrika lock features a patented non-handed design, meaning it can be installed on both left-hand and right-hand opening doors/gates. The internal mechanism can be adjusted to suit the door's swing direction.

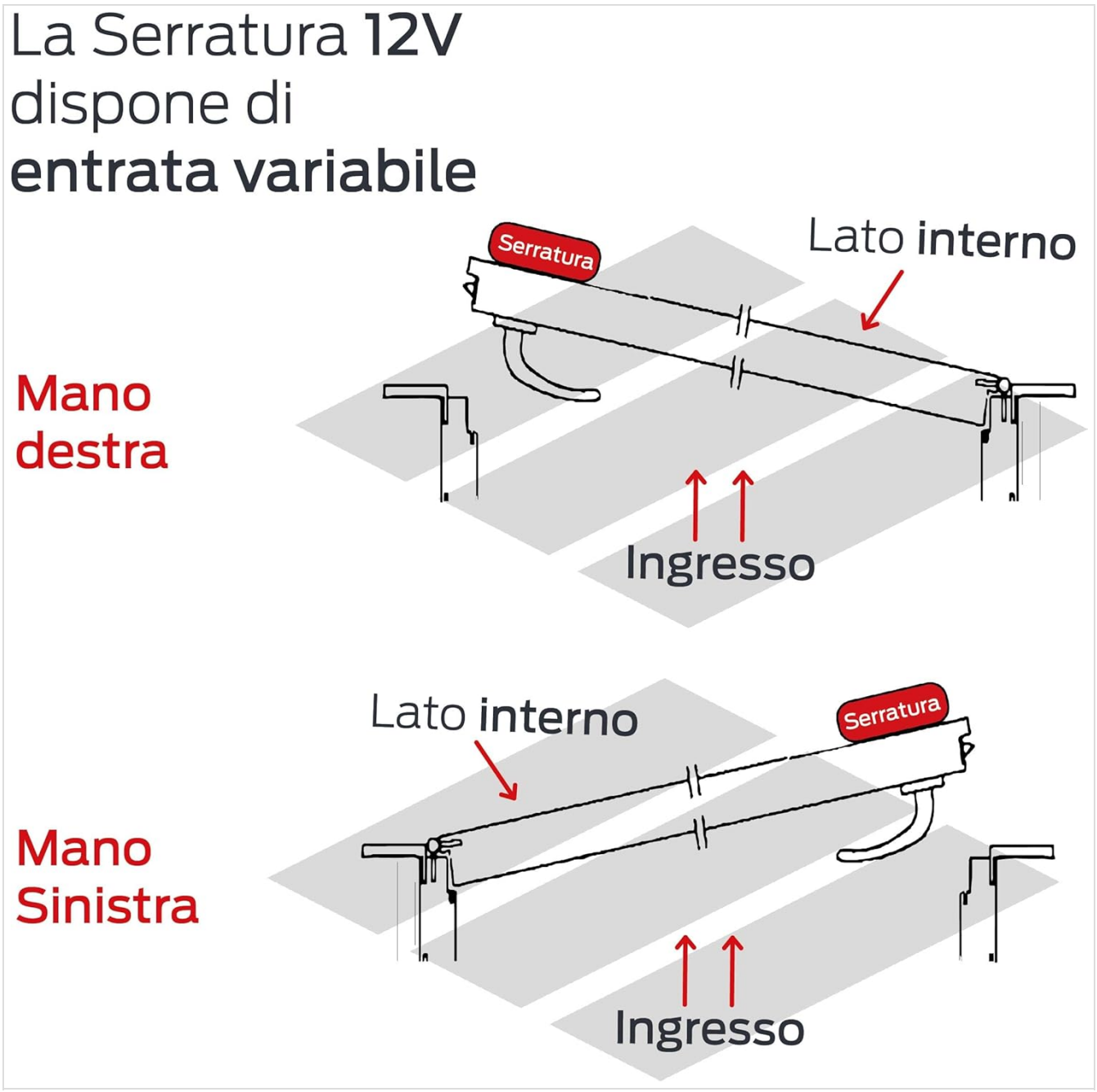

Figure 4.2: Cisa Elettrika 1A731 Handedness Adjustment. This illustration demonstrates how the lock can be configured for both right-hand and left-hand opening doors by adjusting the internal components.

4.3 Electrical Connection

The lock requires a rated voltage of 12V AC (3 amp). Ensure the power supply is stable and correctly wired according to the provided electrical diagram (not included in this manual, refer to packaging or Cisa official documentation for specific wiring diagrams).

5. Operating Instructions

The Cisa Elettrika lock offers flexible operation modes and features for user convenience.

5.1 Opening Modes

The rotary hook deadbolt can be operated in two distinct modes:

- **Automatic Opening:** Upon activation (electrical impulse or push button), the deadbolt rotates, causing the door to automatically open or push open slightly.

- **Ready to Open:** The deadbolt is withdrawn, but the door remains in the closed position until manually pushed open. This mode is useful for maintaining a closed appearance while allowing easy entry.

5.2 Internal Push Button and Cylinder

The lock features an internal push button for convenient exit. The inside cylinder can be used to block this push button, preventing unauthorized internal opening when desired.

5.3 Hold Open Device

When selected, the hold open device allows the lock to remain in its open position, facilitating extended periods of access without needing to re-engage the lock.

Figure 5.1: Cisa Elettrika 1A731 Hold Open Device. This image illustrates the mechanism for engaging the hold-open function, allowing the gate or door to remain unlocked.

Figure 5.2: Cisa Elettrika 1A731 Lock installed on a gate. This image demonstrates the lock's appearance and integration when mounted on a typical metal gate.

6. Maintenance

Regular maintenance ensures the longevity and reliable operation of your Cisa Elettrika lock.

- **Cleaning:** Periodically clean the exterior of the lock with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Lubrication:** Apply a small amount of silicone-based lubricant to moving parts, such as the deadbolt and striker mechanism, once a year or as needed. Do not over-lubricate.
- **Inspection:** Regularly check for any signs of wear, damage, or loose fasteners. Tighten any loose screws.
- **Electrical Connections:** Ensure electrical connections remain secure and free from corrosion.

7. Troubleshooting

If you encounter issues with your Cisa Elettrika lock, refer to the following common troubleshooting steps:

- **Lock Not Engaging/Disengaging:**
  - Check for obstructions around the deadbolt and striker.
  - Ensure the door/gate is properly aligned and not sagging.
  - Verify the electrical power supply (12V AC) is active and connections are secure.
- **Excessive Noise During Operation:**
  - Apply lubricant to the moving parts as described in the Maintenance section.
  - Check for any loose components or misaligned parts.
- **Internal Push Button Not Working:**
  - Ensure the inside cylinder has not been used to block the push button.
  - Check for any physical obstructions or damage to the button mechanism.
- **Hold Open Device Malfunction:**
  - Verify the device is correctly engaged or disengaged.
  - Inspect for any debris or damage preventing its proper function.

If problems persist after following these steps, contact Cisa customer support or a qualified technician.

8. Specifications

Brand	Cisa
Model Number	1A731000
Lock Type	Electric Key Lock with Push Button
Material	Alloy Steel, Metal
Item Dimensions (L x W x H)	8.27 x 4.72 x 4.33 inches (204 x 110 x 60 mm)
Item Weight	2.1 Kilograms
Rated Voltage	12V AC (3 Amp)
Backset	Variable, 50 to 80 mm
Pull Resistance	Up to 2000 kg
Recommended Use	Metal Gates, Doors

9. Warranty Information

Cisa products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product packaging or visit the official Cisa website. Keep your proof of purchase for warranty claims.

10. Support Information

For technical assistance, spare parts, or further inquiries, please contact Cisa customer support. Contact details can

typically be found on the product packaging or the official Cisa website. When contacting support, please have your product model number (1A731000) and purchase date ready.