

## YUHANUS Electric-Bolt-Lock01-NO

# YUHANUS Electric Drop Bolt Lock Instruction Manual

Model: Electric-Bolt-Lock01-NO | Brand: YUHANUS

## 1. PRODUCT OVERVIEW

The YUHANUS Electric Drop Bolt Lock is designed for use in access control systems, providing enhanced security for various door types. This model operates in **NO Mode (Fail-Security)**, meaning the lock is in a locked state by default when power is off. It will only unlock when power is applied and an authorized signal (e.g., from a push button or remote controller) is received. It features a time delay function for controlled access.



Image 1.1: The YUHANUS Electric Drop Bolt Lock, showcasing its compact design and wiring.

## 2. SAFETY INFORMATION

- Ensure all power is disconnected before installation or maintenance to prevent electrical shock.
- Installation should be performed by qualified personnel or under professional supervision.
- Verify correct voltage (DC 12V) and current specifications before connecting to a power source. Incorrect voltage can damage the device.
- Do not expose the lock to excessive moisture or extreme temperatures.
- Always follow local electrical codes and regulations.

## 3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- Electric Mortise Lock Unit
- Panel Cover
- Induction Lock Component
- Mounting Screws (Set)

- Instruction Manual (This document)
- Certificate of Conformity



Image 3.1: Contents typically included in the product package, showing the lock units, screws, and a small instruction sheet.

## 4. SPECIFICATIONS

Feature	Specification
Model Name	Electric-Bolt-Lock01-NO
Operating Voltage	DC 12V
Operating Current	200mA
Lock Type	Drop Bolt, Fail-Security (NO Mode)
Time Delay	0s / 3s / 6s (Adjustable)
Material	Aluminum
Dimensions (L x W x H)	6 x 1.3 x 1 inches (approx. 150mm x 33mm x 27mm)
Mounting Type	Surface Mounted
Suitable Door Types	Wooden door, metal door, fireproof door, etc.



Image 4.1: Detailed dimensions of the electric drop bolt lock for installation planning.

## 5. SETUP AND INSTALLATION

### 5.1 Mounting the Lock

1. **Prepare the Door and Frame:** Identify the desired mounting location on the door frame and the corresponding position on the door for the bolt to engage. The lock is surface-mounted.
2. **Mark Drilling Points:** Use the lock unit as a template to mark the screw holes on both the door frame and the door.
3. **Drill Pilot Holes:** Drill appropriate pilot holes for the mounting screws.
4. **Secure the Lock:** Attach the main lock unit to the door frame and the induction lock component to the door using the provided screws. Ensure proper alignment for smooth bolt operation.

### 5.2 Wiring Instructions

The electric drop bolt lock requires connection to a DC 12V power supply and an access control system. Refer to the wiring diagram below for proper connections.

- **Red Cable:** Connect to the **+12V** terminal of your power supply control.
- **Black Cable:** Connect to the **GND** (Ground) terminal of your power supply control.
- **Purple Cable:** Connect to the **NO** (Normally Open) terminal in your power supply control or access control panel. This connection is crucial for the Fail-Security (NO Mode) operation.
- **Other Cables:** Yellow and White cables are typically for door status feedback (NC/COM), which may or may not be used depending on your access control system's requirements. Consult your access control system manual for these connections.





Image 6.1: Close-up view of the time delay adjustment switch on the lock unit, allowing selection between 0, 3, and 6 seconds.

## 7. MAINTENANCE

- **Cleaning:** Wipe the lock's exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or internal components.
- **Inspection:** Periodically check all mounting screws to ensure they are tight. Inspect wiring for any signs of wear, fraying, or loose connections.
- **Functionality Test:** Regularly test the lock's operation with your access control system to ensure it locks and unlocks correctly and that the time delay functions as expected.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lock does not engage (stay locked)	No power to the lock; Incorrect wiring for NO Mode.	Check power supply (DC 12V). Verify Red and Black wire connections. Ensure Purple wire is correctly connected to NO terminal.

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Lock does not disengage (unlock)	No signal from access control; Insufficient power; Faulty access control component.	Confirm access control system is functioning. Check power supply voltage. Inspect Purple wire connection.
Time delay not working correctly	Incorrect time delay setting.	Adjust the time delay switch/jumper on the lock unit to the desired setting (0s, 3s, or 6s).
Lock is loose or misaligned	Loose mounting screws; Improper initial installation.	Tighten all mounting screws. If misalignment persists, re-evaluate mounting positions and re-install if necessary.

## **9. WARRANTY AND SUPPORT**

For warranty information or technical support, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Manufacturer: YuHan

Model Number: 769894490600