

eSSL JS-32E

eSSL JS-32E Standalone Access Control System User Manual

Model: JS-32E

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the eSSL JS-32E Standalone Access Control System. The JS-32E is designed to manage access to secure areas using proximity cards, PINs, or a combination of both. Please read this manual thoroughly before installation and use to ensure proper functionality and security.

2. PRODUCT OVERVIEW

The eSSL JS-32E is a compact and robust standalone access control device featuring a button keypad and proximity card reader. It is suitable for indoor use and supports Wiegand 26 input and output for integration with other security systems. With a capacity for 2000 users, it offers flexible access methods including PIN, card, or a combination of PIN and card.



Figure 1: Front view of the eSSL JS-32E Standalone Access Control device, showing the numeric keypad and indicator light.

3. FEATURES

- **Standalone Operation:** Functions independently without requiring a constant connection to a computer.
- **User Capacity:** Supports up to 2000 users.
- **Multiple Access Methods:** PIN, Proximity Card (EM type), or a combination of PIN + Card.
- **Wiegand Interface:** Features Wiegand 26 input and output for system integration.
- **Durable Construction:** Plastic case designed for indoor environments.
- **Adjustable Door Opening Time:** Configurable from 0 to 99 seconds.
- **Compact Design:** Dimensions of 115mm x 75mm x 16mm.

4. SETUP AND INSTALLATION

The eSSL JS-32E is designed for wired installation and indoor use. While described as "wireless DIY" for ease of setup, its core connectivity for power and lock control is wired.

4.1 Power Requirements

- **Input Voltage:** DC12V \pm 10%. Ensure a stable power supply within this range.
- **Electric Lock Output:** Less than 1A.
- **Static Electricity:** Less than 30mA.

4.2 Wiring

Connect the device to a compatible electric lock and power supply according to the wiring diagram provided in the separate installation guide (not included in this manual). The device supports Wiegand 26 for data input and output, allowing integration with other access control components.

4.3 Mounting

Mount the device securely on an indoor wall at a convenient height for user access. Avoid locations exposed to direct sunlight, extreme temperatures, or high humidity.



Figure 2: Packaging of the eSSL JS-32E Standalone Access Control system, indicating the model and proximity feature.

5. OPERATING INSTRUCTIONS

The eSSL JS-32E allows access through PIN codes, proximity cards, or a combination of both.

5.1 User Management

Refer to the separate programming guide for detailed instructions on adding, deleting, and modifying user PINs and proximity cards. The system supports up to 2000 users.

5.2 Gaining Access

- **Using a PIN:** Enter your registered PIN code on the keypad and press the '#' key.
- **Using a Proximity Card:** Present your registered EM card within 3-6 cm of the device's reader.
- **Using PIN + Card:** Present your registered card, then enter your PIN code and press the '#' key.

Upon successful authentication, the door will unlock for the configured door opening time (0-99 seconds). An audible alert or indicator light will confirm access.



Figure 3: The eSSL JS-32E device showing the keypad and an icon indicating the proximity card reading area.

6. MAINTENANCE

To ensure the longevity and optimal performance of your eSSL JS-32E access control system, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the device surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or excessive moisture.
- **Environmental Conditions:** Ensure the device operates within the specified ambient temperature range of -45°C to 60°C and humidity range of 10% to 90% RH.
- **Regular Checks:** Periodically check all wired connections for security and integrity.

7. TROUBLESHOOTING

If you encounter issues with your eSSL JS-32E, consider the following basic troubleshooting steps:

- **No Power:** Verify that the DC12V power supply is connected correctly and functioning. Check all power cables.
- **Access Denied:**
 - Ensure the PIN or card is correctly registered in the system.

- For card access, ensure the card is an EM type and presented within the reading range.
- For PIN + Card access, ensure both steps are performed correctly.
- **Door Not Unlocking:** Check the connection to the electric lock. Ensure the lock itself is functional. Verify the door opening time setting.
- **Keypad Unresponsive:** Check for power issues. If the device is powered, a factory reset might be necessary (refer to the programming guide).

For advanced troubleshooting or issues not resolved by these steps, please contact technical support.

8. SPECIFICATIONS

Parameter	Value
Model	JS-32E
User Capacity	2000 users
Access Ways	PIN, Card, PIN+Card
Card Type	EM
Reading Range	3-6 cm
Working Voltage	DC12V \pm 10%
Static Electricity	<30mA
Electric Lock Output	<1A
Short-circuit Protect	<100 μ s
Door Opening Time	0-99s (Adjustable)
Ambient Temperature	-45°C ~ 60°C
Humidity	10% to 90% RH
Dimensions	115mm x 75mm x 16mm
Wiegand Interface	Wiegand 26 input and output
Installation Type	Wired (Indoor use)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This product may be eligible for an optional 1-Year Extended Warranty by Onsitego, available for separate purchase. Please refer to the warranty provider's terms and conditions for details.

9.2 Technical Support

Free software installation support is available for this product. For more information or technical assistance,

please scan the QR code below or visit the provided link.



Figure 4: Image displaying a QR code for online support and free software installation assistance.

For direct access to support information, visit: <https://qr.page/g/1RCdIB1BFGZ>