

Cloud Seal Product Introduction

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This product is a reusable Bluetooth electronic seal powered by a disposable lithium-thionyl chloride battery (ER17335M). It is non-rechargeable and maintenance-free, suitable for logistics transportation, warehouse management, cold chain and asset security control. It can replace traditional disposable seals to realize electronic sealing and operation traceability.

1. Core Functions

1. Adopts Bluetooth 5.3 near-field communication to realize device connection and authorized unlocking via dedicated applications.
2. Automatically records events such as locking/unlocking and abnormal cutting, supports data storage, query and export, and ensures operation traceability.
3. Supports unlocking authority configuration, including restrictions on operators, unlocking time and unlocking area.
4. Provides abnormal status reporting and can link with external devices for alarm and evidence collection.
5. Supports Bluetooth OTA remote upgrade to update device firmware.

2. Technical Specifications

1. Power supply: Disposable lithium-thionyl chloride battery (ER17335M), non-rechargeable, maintenance-free
2. Nominal voltage: 3.6V
3. Nominal capacity: 1.7Ah
4. Battery life: 12 months
5. Unlock cycles: ≥ 1500 times
6. Waterproof rating: IP67
7. Mechanical performance: 2-meter drop resistant; withstands 50 kg continuous tension for 10 seconds
8. Operating temperature: -20°C to +70°C
9. Bluetooth version: Bluetooth 5.3

10. Bluetooth communication range: Up to 10 meters in open areas; recommended to operate within 1 meter
11. Communication encryption: AES-128
12. Local storage: ≥ 500 operation records

3. Product Features

- Adopts disposable lithium-thionyl chloride battery (ER17335M), non-rechargeable and maintenance-free
- Stable Bluetooth 5.3 connection with secure and reliable near-field communication
- Reusable seal body to reduce consumables
- Rugged structure and strong environmental adaptability
- Automatic operation log recording for easy management and traceability
- Remote upgradable to maintain continuous function optimization

4. Application Scenarios

Suitable for container sealing/unsealing, warehouse access control, cold chain container sealing, factory turnover box and high-value asset security control.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.