

One Time Code (OTC) Lock For ATM and Vault



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I. Troubles of current mechanical lock for Vault and ATM

With more and more ATMs or cash-related kiosk were deployed all over the world, the security lock for the vault become for serious to avoid the internal fraud or illegal operations. The traditional mechanical lock needs to be upgrade because the issues:

- 1.1 Password is fixed and operators may forget the password.
- 1.2 There is a risk of losing the password or copying the key
- 1.3 The operation of changing password is complicated
- 1.4 Hard to trace the lock operation record
- 1.5 Unlock without authorization
- 1.6 Difficult to do key/password management



Password may get forgot



Key may get duplicated



Hard to trace the record



Unlock without authorization



Mass and complicated key/password management

II. SUNSON OTC LOCK solution

Considering the current situation of mechanical lock, Sunson developed the One Time Code Lock, in which applied the bank grade encryption technology. Worked in the bank equipment industry for more than 18 years, Sunson has been engaged in the encrypting pin pad for ATM and payment kiosk from the establishment, Sunson understands how important the security means in this industry, so the OTC lock solution was created.

● The Features of the OTC Lock

- 2.1 Online management Platform to trace and monitor the Lock operations
- 2.2 Using DUKPT/DES/3DES such safe and popular encryption technology in the OTC generation and transmission.
- 2.3 The OTC can be assigned as two parts to two operators to enhance the safe of the unlock code.
- 2.4 Mounting dimension of OTP Lock is compatible with traditional analog Lock, which will reduce the upgrading cost.
- 2.5 Full SDK will be provided and the source code of android APP will be provided to make all in your own brand and reduce the software development cost.



III. The advantages of OTC Lock

3.1 Higher Management Efficiency

No need to memorize the password or use physical any more, with online management platform, increased the management efficiency

3.2 More Security

When assign the unlock task, the one time code will be sent to the registered operator only, the password even can be split to two parts and sent to two operator to avoid password leakage.

3.3 Full records

All records from task assignment to unlock operation will be recorded and transmitted to the online management platform, this makes it easy to trace the luck situation.

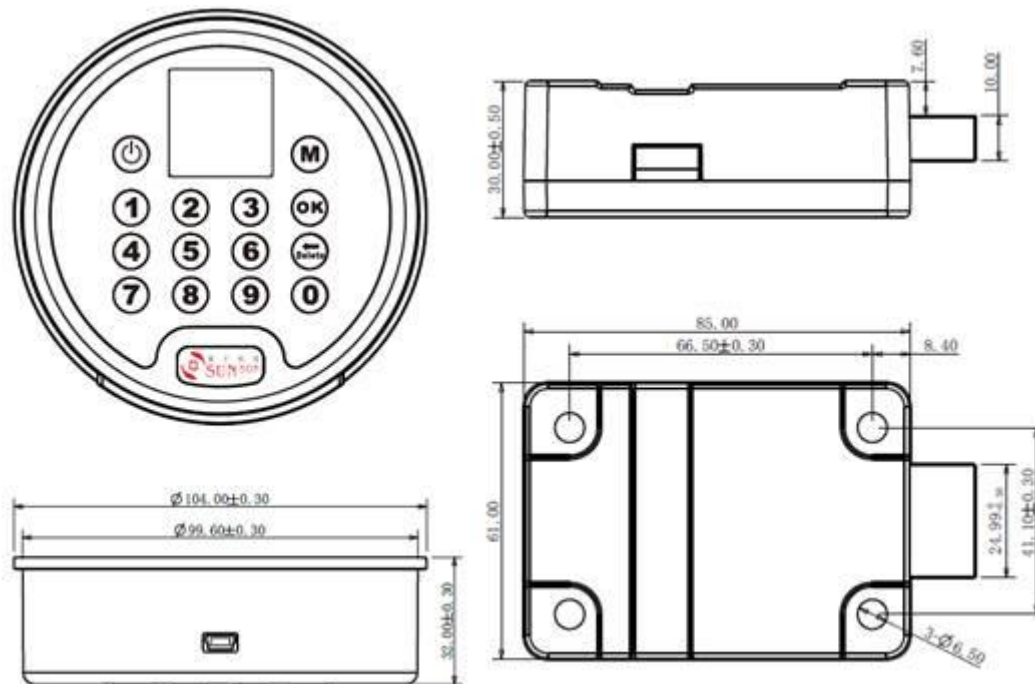
3.4 Easy Management

With the Online Management Platform, it helps organization to resolve the password management and physical key management.

IV. Brief glance of Lock



Structural parameters



Lock case size

Lock body size

V. The application Scenarios



Different Safe

ATMs

Cash Deposit Machine

Ticket Vending

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Sunson keeps the right to update the information without prior notice