

3000 Series Management System

e-Kontos 3000

User's manual

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Introduction

This manual is intended for individuals who program and manage 3000 Series locks. It covers PIN code assignment, scheduling, lock configuration, and maintenance. The 3000 Series is composed Grade 1 heavy-duty offline electronic locks that uses user- and manager-assigned PIN codes to control access. Codes can be scheduled to work during specific times or holidays, and locks can be set to automatically unlock on defined schedules, offering a flexible, standalone access control solution.

Lock Features

Change Master Code

Allows you to update the master PIN code used for high-level access and programming of the lock. Only authorized users can perform this function.

Add or Change User Codes

Enables you to assign new PIN codes or update existing ones for users or managers. Each code can be customized with access schedules and permissions.

Deleting User Codes

Removes existing user or manager PIN codes from the lock, immediately revoking access for that individual.

Disabling User Codes

Temporarily deactivates a user or manager PIN code without deleting it, allowing access to be restored later without reprogramming.

Passage mode schedules

A lock can be programmed to automatically unlatch or latch at specified times for each day of the week. A credential is not required to perform the unlatching and latching activities. When a lock is unlatched, a key is not required to open the door. The lock may have up to three different unlatch/latch times per week.

First-In

Prevents scheduled auto-unlock from activating until a valid user PIN code is entered, ensuring the lock only opens when someone is physically present.

Single-Use Service Codes

Generates a one-time PIN code that grants access only once, ideal for temporary entry by service personnel or vendors.

Pass Time (Door Unlock)

Temporarily unlocks the door for a set duration after a valid code is entered, allowing extended access without keeping the door unlocked indefinitely.

Internal Clock and Calendar

The lock contains a clock crystal that maintains actual date and time. The time is updated every minute and the crystal automatically adjusts for changes due to daylight savings and leap year.

Check Firmware Version

Displays the current firmware version installed on the lock to ensure it is up to date and functioning with the latest features and security enhancements.

Lock / Unlocked Status Indicator

Shows whether the door is currently locked or unlocked, providing a clear visual confirmation of the lock's status.

Holidays

Allows you to set special dates when regular access schedules are overridden, enabling or restricting entry according to holiday-specific rules.

User Schedule

Defines specific time periods when individual user PIN codes are valid, controlling when each user can access the lock.

Manager-Code

A special PIN code with elevated privileges used to program the lock and manage user codes and settings.

Low Battery

If the lock's batteries are low a yellow indicator light will flash when a correct credential is used before displaying the green LED and unlocking.

Keystroke Sound Level

Adjusts the volume of the keypad tones to provide audible feedback when keys are pressed.

Remote Service Codes

Generates time-limited PIN codes offsite that can be provided to service personnel or guests for temporary access without needing to be physically present at the lock.

Time Zones

Configures defined time periods that can be assigned to user codes or lock functions, enabling scheduled access control across different days and times.

Audit Trail

Audit trail determines which credential was used, when an access occurred, who owned the credential at the time of access and what action was performed. Audit trail is stored in the lock's nonvolatile memory. Displayed in the 3000 software in order of most recent event.

Encryption

Ensures secure communication between the Door Lock Programmer (DLP3) and the lock by using encrypted data transfer to protect sensitive programming information.

PIN Code Length

Specifies the number of digits required for user and manager PIN codes, enhancing security by allowing configurable code complexity.

Authorized User

A designated user with administrative privileges who can manage lock settings, user codes, schedules, and perform system-level programming.

Door Lock Programmer (DLP3)

A handheld device used to configure, program, and update 3000 Series locks, including transferring user codes, schedules, and firmware.

Using a PIN Code

Wake the Lock

Touch any key on the keypad to activate the lock.

Enter Your PIN Code

Type in your assigned PIN code.

Access Granted

If the code is valid and within its allowed schedule, the lock will beep and unlock. The door can now be opened.

Access Denied

If the code is incorrect, expired, or outside of its allowed schedule, the lock will emit an error tone and remain locked.

Note:

If multiple incorrect PIN attempts are made, the Keypad Anti-Tamper Lockout may temporarily disable the keypad.

PIN codes may be scheduled to only work during specific times or days, including holidays.

Deadbolt and Privacy feature

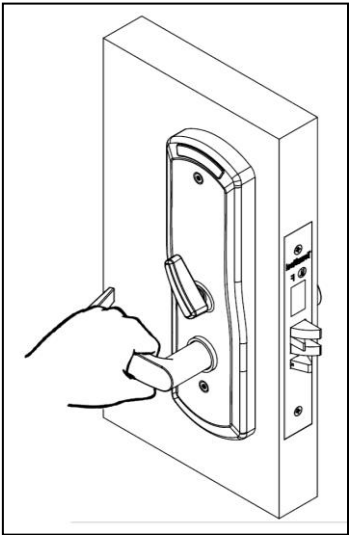
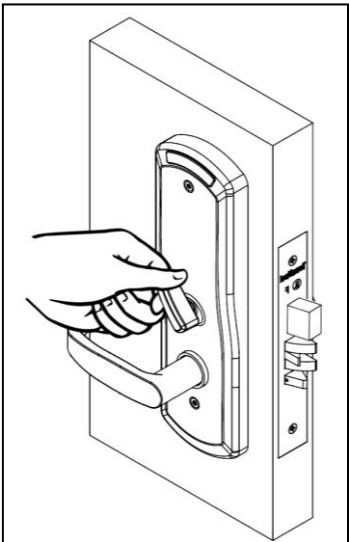
Additionally to the electronic features, the lock is also equipped with a deadbolt That can be thrown from the inside of the room. The deadbolt is set by turning the deadbolt latch to the locked position.

When the deadbolt is in the locked position, a flashing red LED will appear. If a keycard is used on the reader a red LED will flash and beep, and the door will remain locked. A keycard with the override option enabled will produce a green LED and will override the deadbolt and allow access to the room.

To unlock the lock from the inside while the deadbolt is thrown, turn the door handle. This action will retract both the latch and the deadbolt.

Select models of the KON have an automatic deadbolt feature that automatically projects the 1" deadbolt when the door is closed. This feature provides latching security against forced entry. Keycards require to have the DND override option enabled in order to gain access.

To open the door from the inside after the deadbolt has been thrown, simply depress the door handle. This action will override the privacy feature and allow the guest to exit



Programming Locks

When the 3000 Series locks are shipped from the factory, the batteries are not installed. Each lock becomes operational once four AA batteries are correctly inserted. Upon initial power-up, the lock will operate using the factory default master code. At this stage, no user or manager PIN codes are stored on the lock.

To fully configure the lock—including adding user and manager codes, setting schedules, and applying access rules—you will need to use the Door Lock Programmer (DLP3).

Door Lock Programmer (DLP3)

The DLP3 is a handheld programming tool used to transfer data between the management software and the 3000 Series lock. It stores user codes, schedules, and system configurations, and communicates with the lock via a secure wired connection. The DLP3 connects to your computer using a USB cable and uses encrypted communication to ensure data integrity and security.

Programming Locks Using the DLP3

Before programming the lock, ensure that the necessary user and schedule data has been configured on the management software and downloaded to the DLP3. Once the data is loaded:

Disconnect the DLP3 from the computer and bring it to the lock location.

Power on the lock by inserting batteries if not already done.

Connect the DLP3 to the lock using the provided data cable.

On the DLP3 main menu, select Option 2: Lock Functions.

From the Lock Functions menu, choose Option 1: Program Lock.

A list of programmed lock IDs will appear. Select the correct Lock ID that matches the door you are programming.

Press Set and follow the on-screen instructions to transfer user codes, access schedules, and system settings to the lock.

Once programming is complete, the lock will be ready for regular use with all assigned PIN codes and configurations applied.

For details on setting up the database and creating user schedules, please refer to the 3000 Series Management Software User Manual.

Setting Date and Time

The lock's embedded system maintains the actual date and time. The time is automatically updated every minute and the clock is automatically adjusted for changes due to Daylight Saving Time, and Leap Year. The date and time are initially updated when the DLP is used to program the door lock and it is updated when the DLP is used to interrogate the lock for audit trails. The time can be manually updated using the DLP if there are any changes needed.

For example: if the lock's batteries are disconnected for a period of time.

Low Battery Warning

Each lock contains batteries, which are used to power the lock's circuit board and to release the locking mechanism. The lock uses four AA alkaline batteries. Lithium batteries although long lasting, are not recommended to be used due to their lower voltage output.

The lock's batteries may need to be replaced when one of the following symptoms appear:

- A Standard pin code alternately flashes the yellow LED 5 times before the green LED flashes on the keypad and the lock operates.

If the low battery warning is displayed follow the step-by-step procedures for replacing lock batteries on each type of lock are provided in the Lock Installation Manual.

Factory Reset Instructions

Remove the battery cover and disconnect one battery.

Press and hold the '0' key on the keypad.

While holding '0', reconnect the battery.

Continue holding until the lock beeps and the keypad lights flash.

Release the 0 key and press * three times — the lock is now reset to factory default settings.

Note: This will erase all user and manager PIN codes, schedules, and settings.

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