NANO90 - Programming & Operating Instructions

Codes - The Basics

- The KitLock Nano90 has four code levels available:
  i) Master Code
  ii) Sub-Master Code
  iii) User Code
  iv) Technician Code
- The NANO90 is supplied with two factory set codes:
  Master Code: 11335577
  User Code: 2244
- When fitted immediately change the Master and User Code.
- All Master Codes and Sub-Master Codes are 8 digits long.
- All User Codes are 4 digits long.
- All Technician Codes are 6 digits long.
- The lock 'open' time is set at 4 seconds.
- Suitable for doors up to 400 x 400mm

Functions

Before programming select the most appropriate function for the application.

A) Private Use

Important Note: This is the default function and is already pre-programmed in new locks.
This is the most common function and is used where the same code will be repeatedly used.

B) Public Use

The user enters their own personal four-digit code. This locks the lock. The same code is entered to open the lock before being erased and ready for the next new user.
This function is used for short-term, multi occupancy applications, e.g. hot desking in an office or a locker in a leisure centre.

Operating Instructions

The NANO90 has a 10 button keypad, * and # button. The * and # buttons are only used for programming functions.

- Every program command must commence by pressing the # button.
- If necessary the # button may be used to clear a previous entry if a mistake is made.
- To enter a valid code, 5 seconds are allowed between each button input; otherwise the program will once again clear.

Programming Codes

The NANO90 KitLock has the following code levels:

Master Code

The Master Code can:

- Open the lock
- Change the Master Code
- Set / Change / Delete the Sub-Master and User Code
- Select between Private and Public Functions
- Set or delete Technician Code

Sub-Master Code

The Sub-Master Code can:

- Open the lock
- Change the Sub-Master
- Set / Change / Delete / the User Code

- Blue LED = Code accepted
- Red LED = Code rejected

User Code

The User Code can:

- Open the lock
- Change the User Code

Technican Code

The Technician Code can:

- Open the lock in Technician mode without erasing User Code when in B) Public Use Function.

The same code cannot be programmed into more than one level.

Lost Master Code Procedure

Note: The procedure requires the door to be open.

- Remove the rear fixing bolts and remove the lock from the door.
- Remove battery.
- Press and hold the * button, replace the battery, the Blue LED will flash twice, release the * button. Within three seconds press the * button three times. The Blue LED will flash twice and the lock will have reverted to the factory Master Code 11335577 and all other stored settings will be erased.

Penalty TIme

- Entering three incorrect codes will cause the lock to shut down for 10 seconds.
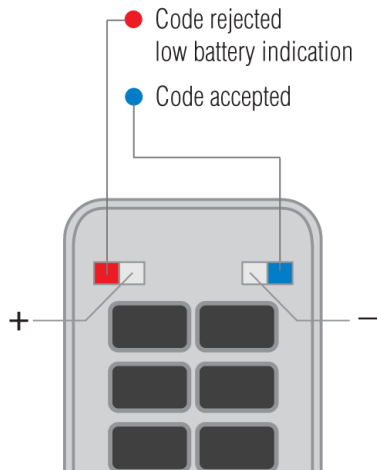
Battery Power

The KitLock should provide well in excess of 100,000 openings, of 4 seconds each, from 1 x coin cell.

Low Battery

- When the battery power is low the ● Red LED will flash three times before the ● Blue LED lights accepting the code. Fit a new battery as soon as this happens.

The lock will operate for 100 times with low battery.

Battery Override

The NANO90 has been designed so a PP3 battery can be placed against the external contacts so that the lock can be opened to replace the battery should it fail.

The procedure is as follows:

- Place the contact points of the PP3 battery against the contact points next to the LEDs.
- The positive +PP3 terminal against the Red LED contact point, and the negative -PP3 terminal against the Blue LED contact point.
- Enter the Master Code.
- The lock will now withdraw the locking pin allowing the lock to open.
- Fit new battery by removing the lock from the door. Refit the lock.

Master Code Commands

Change the Master Code

#Master Code ● 01 ● New Master Code ● New Master Code ●●
Example: #11335577 ● 01 ● 12345678 ● 12345678 ●●
Result: Master Code has been changed to 12345678.

Set or Change the User Code

#Master Code • 02 • User Code ••
Example: #11335577 • 02 • 9999 ••
Result: New User Code 9999 now operative.

Delete the User Code

#Master Code • 03 ••
Example: #11335577 • 03••
Result: User Code deleted.

Set or Change the Sub-Master Code

#Master Code • 04 • Sub-Master Code • Sub-Master Code ••
Example: #11335577 • 04 • 87654321 • 87654321 ••
Result: Sub-Master Code 87654321 now operative.

Delete the Sub-Master Code

#Master Code • 05 • 05 ••
Example: #11335577 • 05 • 05 ••
Result: Sub-Master Code deleted.

Sub-Master Code Commands

Change the Sub-Master Code

#Sub-Master Code • 06 • New Sub-Master Code • New Sub-Master Code ••
Example: #87654321 • 06 • 10101010 • 10101010 ••
Result: Sub-Master Code has been changed to 10101010.

Set or Change the User Code

#Sub-Master Code • 07 • User Code ••
Example: #87654321 • 07 • 6666 ••
Result: New User Code 6666 now operative.

Delete the User Code

#Sub-Master Code • 08 ••
Example: #87654321 • 08 ••
Result: User Code deleted.

User Codes Commands

Change the User Code

#User Code • New User Code • New User Code ••
Example: #2244 • 6688 • 6688 ••
Result: User Code now 6688.

Special Master Code Commands

Public Use

#Master Code • 09 ••
Example: #11335577 • 09 ••
Result: The lock will now remain open until the next user enters their own personal code into the lock as follows:
Step 1 - Enter 4 digit code close the locker which will now be locked.
Step 2 - Enter the same 4 digit code the lock will now open and remain open until next 4 digit code is entered.
Note: The Master Code and Sub-Master Code will be retained from A - Private Use.

Restrict the Locked Time

#Master Code • 10 • (number of hours lock to remain locked) ••
Example: #11335577 • 10 • 04 ••
Result: The lock will auto open after 4 hours. If a new User Code is entered it will relock for 4 hours. If the lock is opened during the 4 hour period then the lock remains open until a new User Code is entered.
Note: This program only works when the lock is set in B - Public Use Function. The lock can be set to remain locked for 02, 04, 06, 08, 10 or 12 hours.

Private Use

#Master Code • 11 ••

Example: #11335577 • 11 ••

Result: The lock will revert back to default function A - Private Use Function. Factory set User Code 2244 will now work repeatedly until reprogrammed.

Set Technical Code

#Master Code • 12 • Technician Code • Technician Code ••

Example: #11335577 • 12 • 555555 • 555555 ••

Result: The lock is automatically set into B - Public Use Function and allows the programmed Technician Code to open the lock WITHOUT the entered User Code being erased.

Note: If lock is opened with a Master Code the User Code will be erased.

Delete the Technician Code

#Master Code • 13 • 13 ••

Example: #11335577 • 13 • 13 ••

Result: Technician Code deleted.

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