

Keypad C1000LP

Manual





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1. Introduction

C1000LP is a low power keypad that works on electronic locks with open collector and/or H-Bridge mode.

In standby mode the yellow LED is lit (● ○ ○)

By correct code lights yellow and green LED (● ● ○)

By incorrect code lights the red LED (○ ○ ●)

C1000LP has a buzzer for indicating while keying, correct code, incorrect etc. and 2 transistor outputs, independent from each other, so the C1000LP can give access by code.

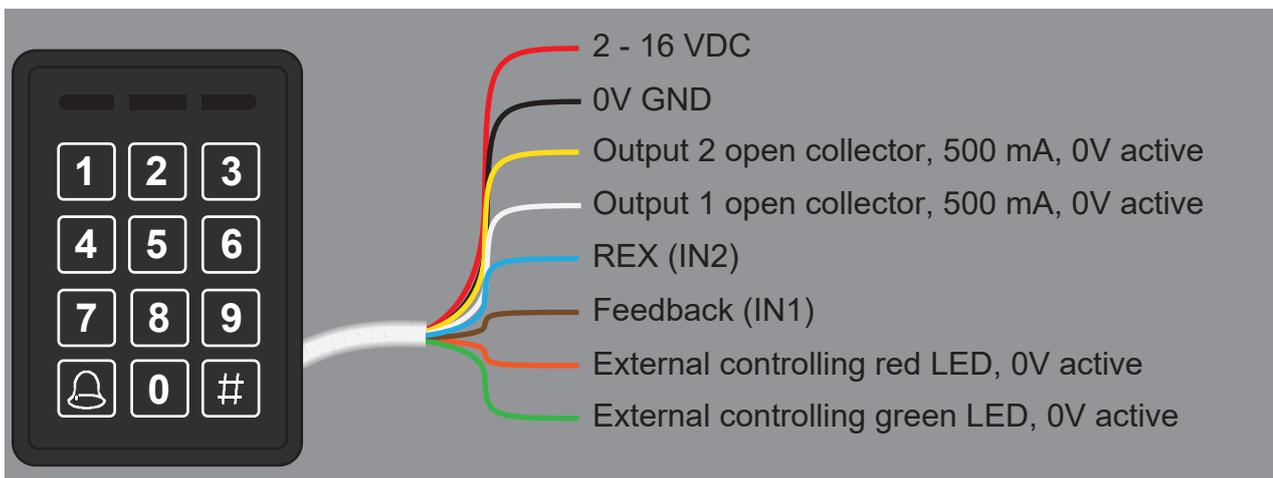
The C1000LP is a stand alone unit, it can be programmed directly by Master code and Service code.

2. Installation

Mount the reader on an even surface.

Connect the wires to power supply, door strike etc.

Wire colours



Note: Right after applying the voltage all LEDs light and the buzzer sounds **do not** touch the reader until the yellow LED lights and the buzzer is silent.



3. Programming users

Programming the C1000LP is simple and easy to understand.

3.1 User positions

C1000LP has 200 user positions, which can contain a code. The positions are divided as following:

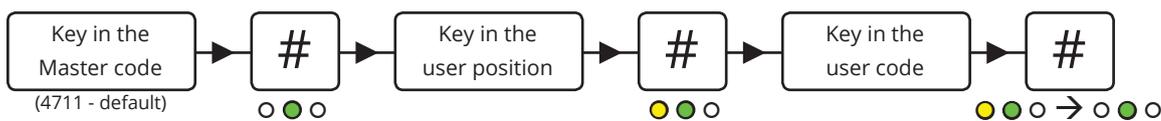
User position	Function
1 - 100	Activates output 2 (The code is position 1 is 1234 - factory default)
101 - 150	Aktivates output 1
151 - 190	Aktivates output 1 and 2
191 - 200	Reserved for special functions

3.2 Programming user codes

The Master code is used to program/change/delete the users. By default the Master code is **4711**.

LED indication: No light: ○ Lit: ● Flash: ✱ Clear buffer: 

New users



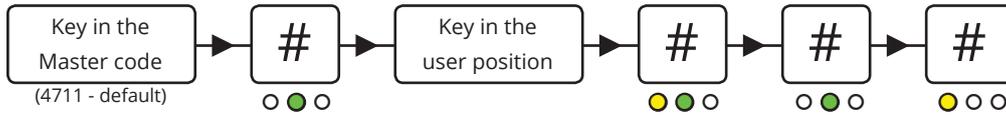
To program more users, continue from “Key in the user position” or press  to exit.

Changing codes

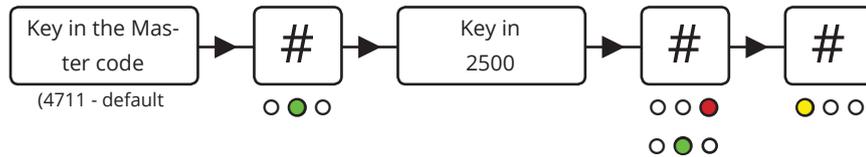
It’s the same procedure as programming new users, just overwrite the user position.



Delete specific users



Delete all users



3.3 Programmimg codes for special functions

Programming the codes is described in 3.2 and 3.3. This entry activates the output(s) for 5 seconds (factory setting). Only 1 user can enter at the time.

Programming the same user twice

By programming the same code on the same position twice toggles the output. (I.e. the code is entered to unlock the door and entered to lock it again).

Programming the same user 3 times

By programming the same code on the same position 3 times, the output is designated as switch on only. (I.e. the door is permanently unlocked when the code is entered).

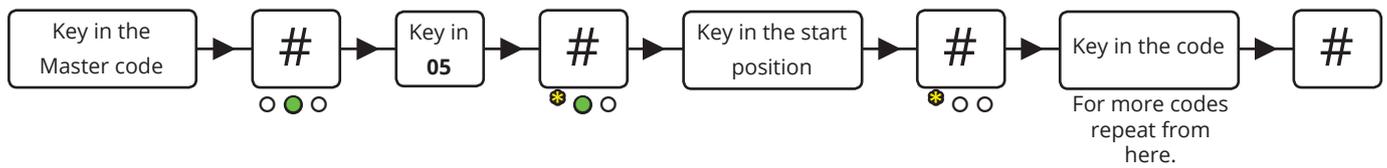
Programming the same user 4 times

By programming the same code on the same position 4 times, the output is designated as switch off only. (I.e. the door is only locked when the code is entered).



3.4 Smart reading

This position makes it possible to program codes quicker without entering new positions. Key in a position and it counts automatically to the next position. Codes can be programmed alternatively as you see fit.



Note: This programming mode overwrites existing positions.



4. Configuration of C1000LP

4.1 The Service code

The Service code is used for C1000LP's advanced settings such as changing the Master code and Service code, LED indications and much more. The overview of the settings and the factory settings can be seen in 4.2 *Configuration overview*.

The Service code is **12347890** (factory setting).

Note: Before the Service code can be used must the voltage be turned OFF and ON (the Service code can now be entered within 10 seconds).

After entering the Service code the reader is in programming mode (the green LED lights). Each time a setting is made the C1000LP goes back to the previous point and the next setting can be made.

The navigation is by entering the position/ value followed by #.

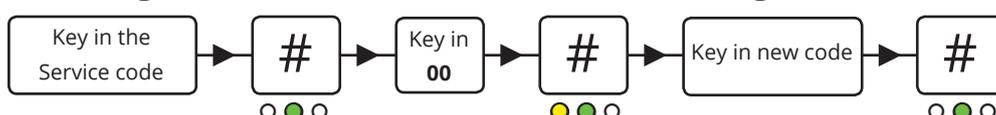
4.2 Configuration overview

Position	Setting	Factory default
00	Master code (1 til 8 cifre)	4711
01	Service code (1 til 8 cifre)	12347890
02	LED indications	Normal = Yellow, active = Yellow and green
03	Outputs	Output time for 1 and 2 is 5 seconds
04	Special functions	
05	Smart reading	
06	Background light	
08	Backup/cloning the settings	
2500	Alle codes/Mifare tags on the user positions are deleted	
0250	Reset to factory default	

4.3 Changing the Master code

By default the Master code is **4711** and can only be used to program, change or delete users on the CM1000.

To change the Master code, enter the following:

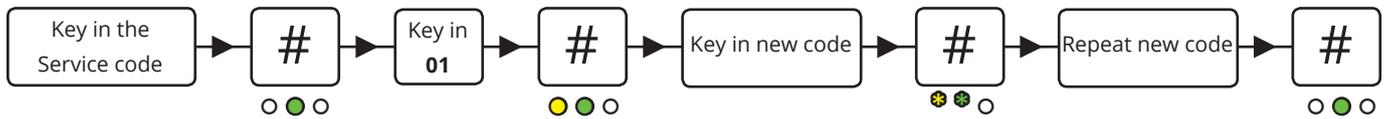




4.4 Changing the Service code

The Service code is used to configure the CM1000's settings.

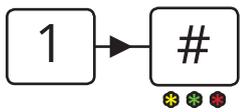
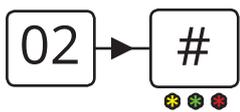
To change the Service code, enter the following within 10 seconds after power on:



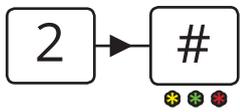
4.5 LED indications

The C1000LP's 3 LED's can be adjusted at will.

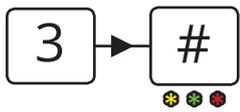
To adjust the LED indications enter the following:



adjust the LED's for standby indication (normal).



adjust the LED's for correct code/tag indication (active).



adjust the keying indication (how the LED will react while keying).

To adjust the LED's press on the following:

1 = yellow LED (toggle by press)

2 = green LED (toggle by press)

3 = red LED (toggle by press)

0 = buzzer (works only on active and keying indication (toggle by press))

= save and go one step back

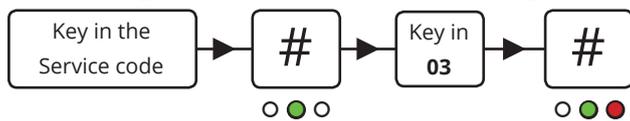
To save the settings press # or press * to go back to the previous point (not saving).



4.6 Outputs

The C1000LP has 2 outputs that can be set to H-Bridge output or open collector output. By default is the C1000LP set to H-Bridge output with Lock delay in 5 seconds.

To configurate the output settings use the following steps:



- 1 sets the output 1 time in Pulse mode or Lock delay
- 2 sets the output 2 time in Pulse mode or H-Bridge time
- 3 sets the output 1 active position
- 4 sets the output 2 active position
- 5 sets the outputs functions
- 6 select the outputs for Daycode/onetime code

Please use the configuration scheme under "03" section for correct navigation for OC setup

Note: In time setting for Pulse mode it is in Milisec x 10 instead of hours.



4.7 Special settings

These settings is used to change the C1000LP's special functions such as turning the buzzer on/off etc.

To change these settings, key in: →

- = Service code without timeout (● = inactive / ● = active)
- = Master code be changed by Master code (● = inactive / ● = active)
- = Mute reader (● = Off / ● = On)
- = Bell on OC1 (● = Off / ● = On)
- = Onetime code (● = Off / ● = On)
- = Day code (● = Off / ● = On)

Special positions

On user position 191 to 197 can activate special setting 3 to 6 with a code. The programming is the same procedure as programming a user code just use the positions mentioned below:

- 191 = Toggle buzzer
- 194 = Toggling the star key to activate output 1 (white wire)
- 195 = Toggle onetime code mode
- 196 = Toggle Daycode mode
- 197 = Deactivate the user codes

To save the settings press or press to go back to the previous step (no saving).

Note: In case of power disruption the special functions will go back to the setup made by service code.



4.8. Input setup



5. One-time-/day code

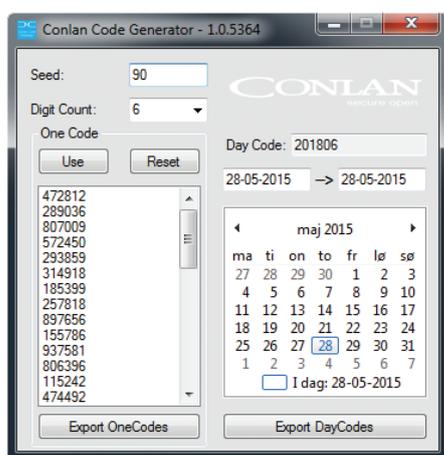
The CP1000 offers 2 advanced functions of codes that can be used once only and a code that is valid for a single day.

First the codes have to be generated using the ConlanCode Generator (download available from www.conlan.eu or on itunes and Google Play).

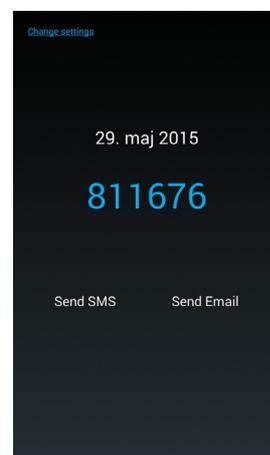
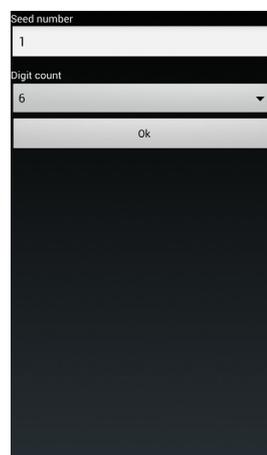
Enter a seed number into the first box. This can be any number from 1 to 9999999. Then enter the numbers of digits you require the code to have (best to avoid 4 or 8 digits codes so there is no chance of conflict with Service code or Master code. The system defaults to a 6 digit code.

Once you press the enter key, the day code will be shown on the left and a series of one-time codes shown in the table below. Both these can be exported to a file if required.

Conlan Code Generator for Windows, for administration of one-time and day codes.

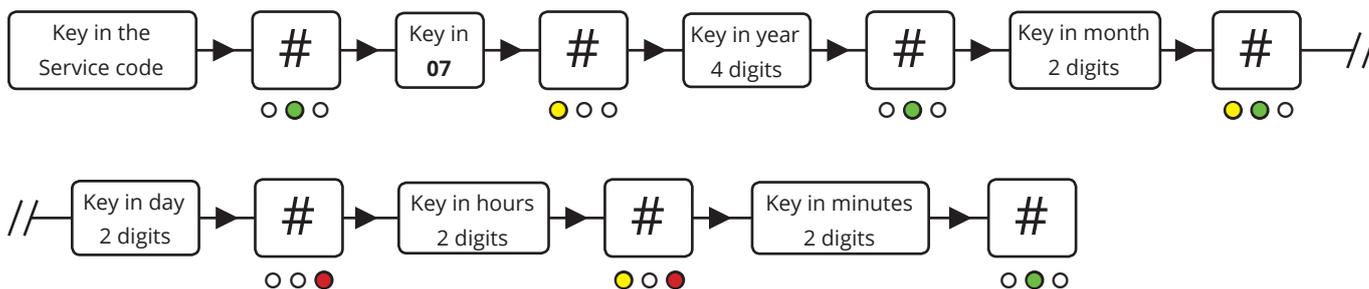


Conlan Day Code app for iOS and Android units for administration of day codes with SMS and Email notification.

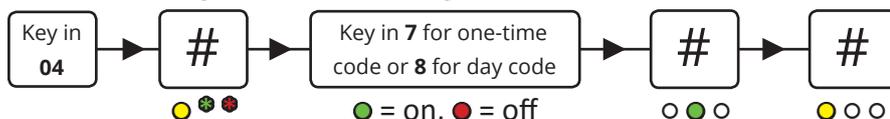


When the information is specified, the CP1000 can be set:

Setting the time



Activation of One-time-/day code



Finally, the reader must know how many digits the one-time-/day codes have and the seed number. This is done in the same way as programming a user code: Position 198 is for seed and position 199 is for digits.