

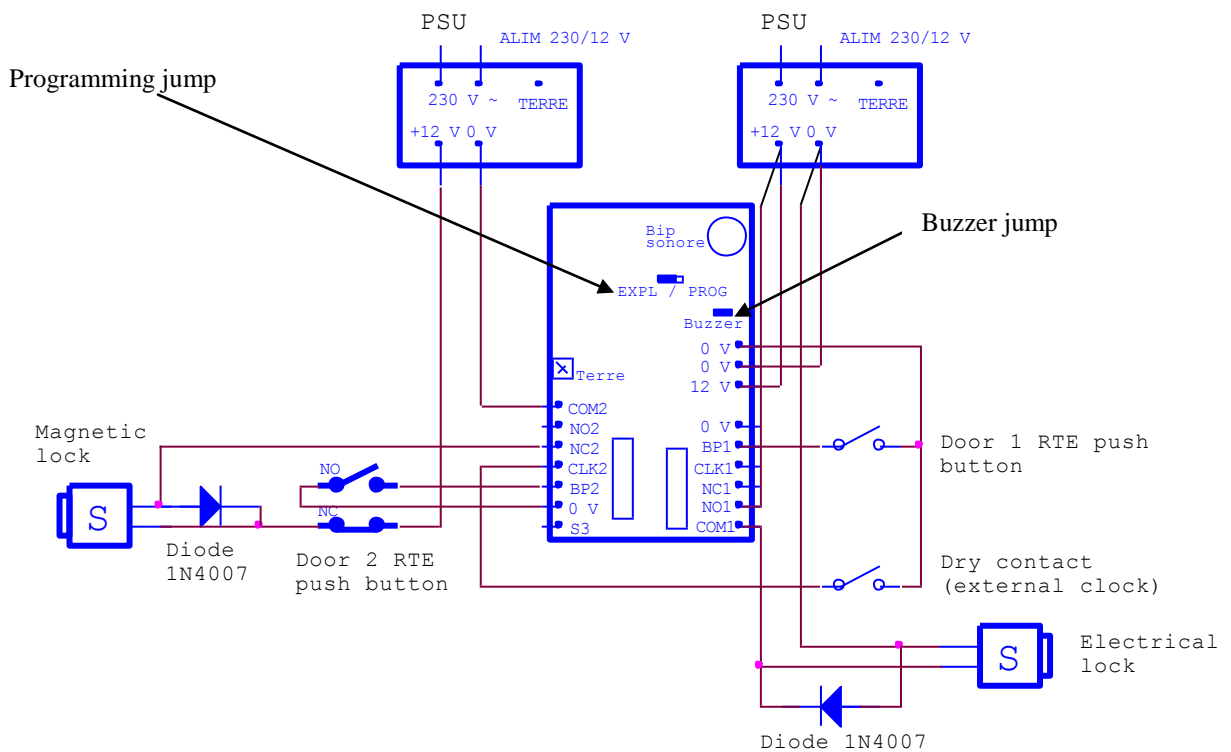
I – Overview

This keypad has three outputs :two relays (C, NO, NC dry contacts) and one open collector output.
Each one works in monostable (pulse) or bistable mode. (one code actuates the output until another access code is entered).
Access codes contain 3 to 8 digits.
Keypad has backlit push buttons.

II – Characteristics

Power supply/consumption	12 Vcc or Vac / 200 mA
Operating temperature	-20°C to + 40°C
Outputs	3 outputs (2 dry contacts NO/NC + 1 open collector output)
Operating output	Monostable or bistable
Door release time	200 ms to 99 secs.
Nb of digits	3 to 8
Access code	22
Group of codes	3 (always / Clk2 open / Clk2 closed)
Master code	1
Changing code	1

III – Wiring diagram



IV – Setting

Memory organisation

Memory	Description
00	Master code
01 à 22	Access code
31	Door 1 release time
32	Door 2 release time
33	Output S2 release time
35	Delete all access codes
36	Changing code

Please note :

- On a same relay, some access codes can be setup as monostable and some other codes as bi stable mode.
- The same code can be programmed in a first memory to active a first output and in a second memory to actuate another output.

Example : Code 2411 open the door. Code 4245 actuates door and alarm.

Programming mode

There are two ways to enter in programming mode :

- move the switch from expl (operating) to prog (programming)
- enter the master code from the operating mode

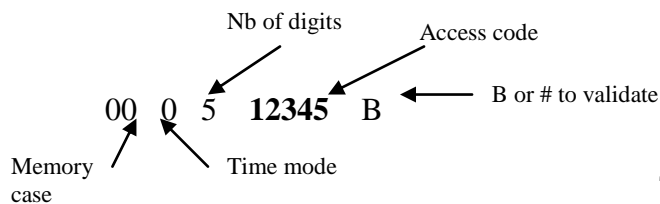
Every time a correct programming sequence is entered, the green led flashes twice. If the sequence is false, the green led will flash four times.

To leave the programming mode :

- remove the switch from programming mode (prog) to operating mode (expl).
- if no key is pressed for 30 secs, then the keypad leaves the programming mode (if entered in the programming mode through the master code)

Master code setting :

Move the switch to programming mode and enter the following sequence.



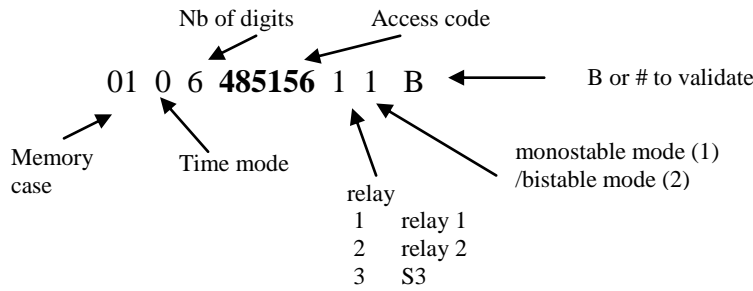
The green led flashes twice.

Time mode behaviour :

The keypad can work with different time modes. This is possible with an external clock card which can provide a dry contact to the keypad. Time modes are defined as :

Time mode	Access code are valid
0	24/7
1	Only if dry contact between 0 v and Clk2 is close
2	Only if dry contact between 0 v and Clk2 is open

User code setting (detailed method) :

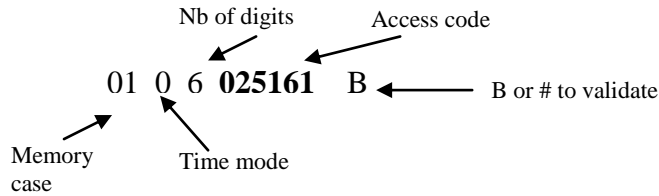


After the access code, two parameters are added :

- The relay 1, 2 or 3
- The monostable or bistable mode. Monostable mode is currently used. A valid access code actuates the door relay for a few seconds.

User code setting (simplified method) :

In programming mode, type the following sequence :

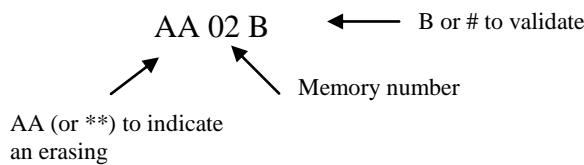


By default, the access code works like this :

- relay 1
- monostable mode

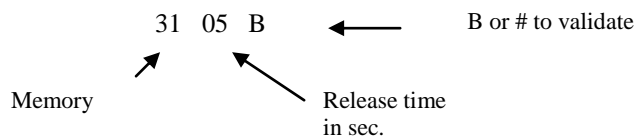
Delete a code :

In programming mode, type the following sequence :



Door release time setting

In programming mode, type the following sequence :



- 31 -> relay 1
- 32 -> relay 2
- 33 -> S2

Door release time limit are 00 and 99 seconds. 00 corresponds to a single pulse (200 ms).

Delete all access codes :

In programming mode, enter the following sequence :
35 00 B (or #)

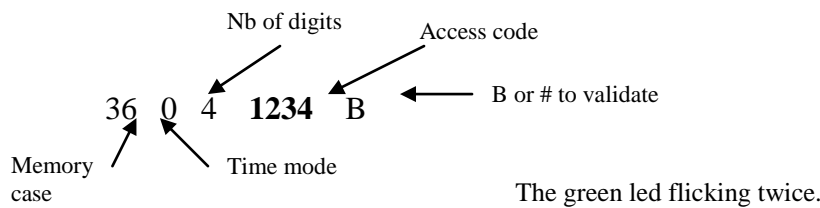
All access codes are deleted.

Changing code :

In operating mode, the changing code offers possibility to change directly a code by another one. If the old one exists in different memories, all will be modified.

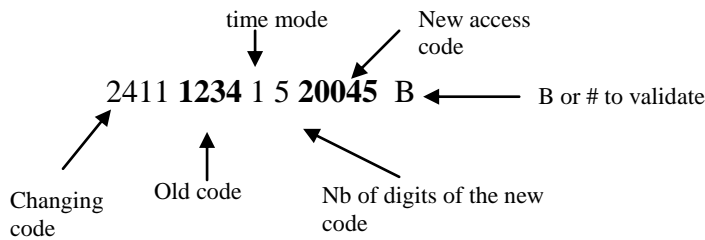
Changing code setting :

In programming mode, type the following sequence :



Changing code use :

In operating mode, type the following sequence :



This sequence deletes **1234** user code and programmes **20045**. In this example, changing code is **2411**.

V –Operating mode

When a valid code is entered, the output (s) is actuated, all push buttons flash and the green led lights for the door release time (1 second if bistable code).

After a valid bistable code is entered, the indicated relay will change to the active state until a new valid bistable code is entered.

After 20 digits are pressed without valid access code, the keypad goes to security mode and the backlighting is disable for 30 seconds.

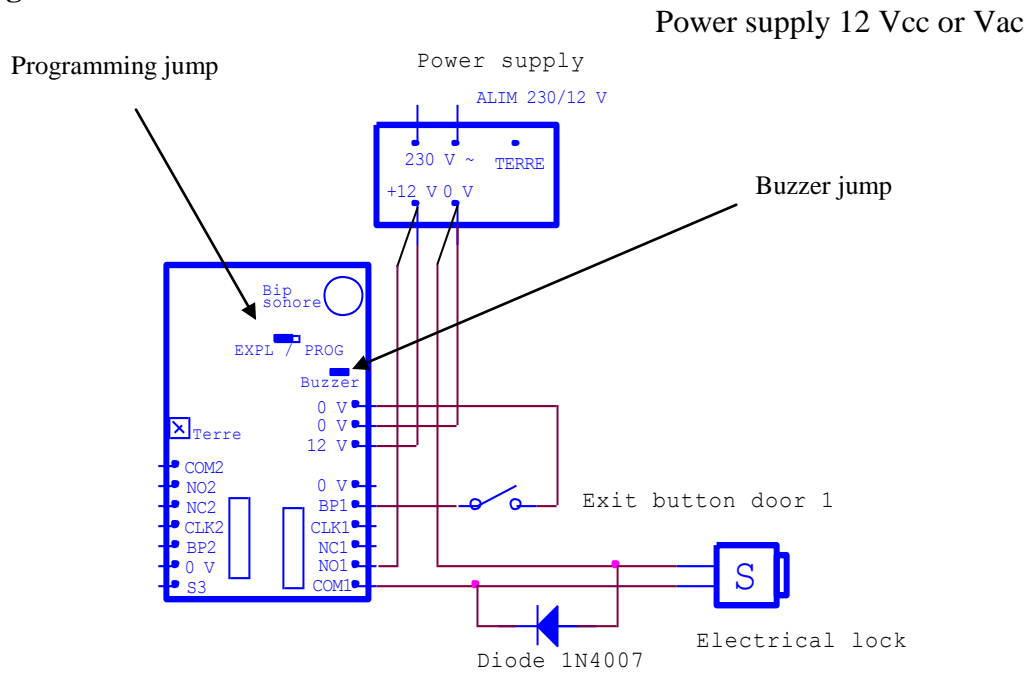
Installation life																		
Address																		
Date																		
Memory number	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.
XX	12345	M	0															
01																		
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Door delay																		
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33																		
Changing code																		
36																		
Master code																		
00																		

Example :

12345 code is programmed in case **XX** an is active :

- in monostable mode **M**
- all the time **0**

1 – Wiring diagram



2 – Master code setting

Move the jump in Prog position. The green led lights.

Example with master code 485156

Enter the following sequence :

00 0 6 **485156** B (or #). The green led flashes twice.

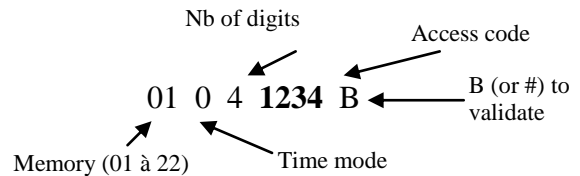
Please note that the '6' indicates the number of digits of the master code. The number must be between 3 and 8.

Move the jump to operating mode.

3 – User code setting

Enter the master code, the green led light.

Example : adding first access code **1234** to the memory 01.



Please note that, the relay actuated is the first one and the mode is monostable.

4 – Door release time setting

To setup the door release time 1 at 3 seconds, enter the following sequence in programming mode :

31 **03** B

The green led flashes twice.

5 – Delete an access code

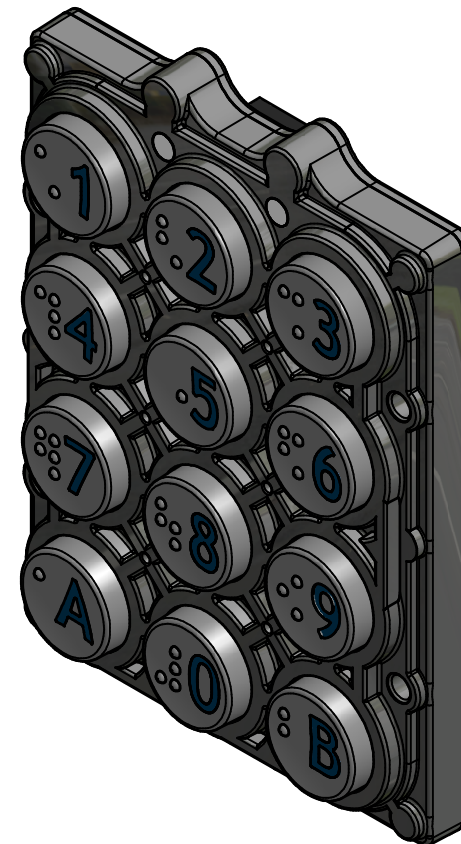
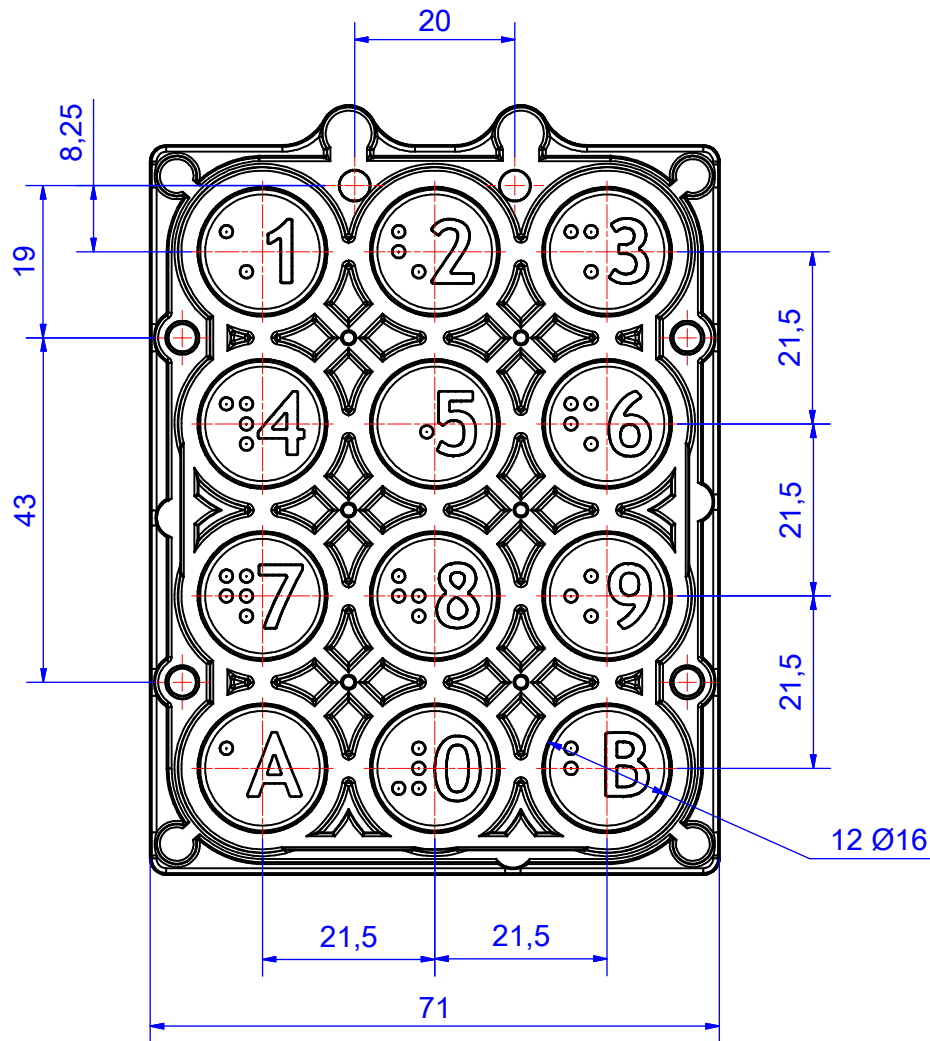
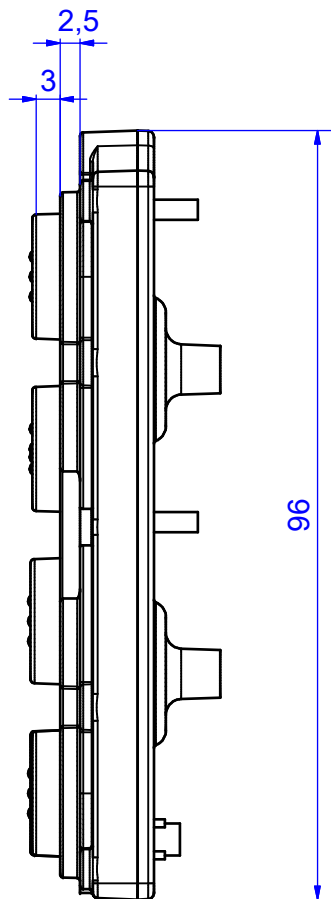
AA **01** B

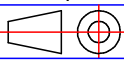

01 indicate the memory to delete.

6 – Delete all access code

35 00 B

Note : The green led light for 30 seconds after the last programming.
The master code can't be used as an access code.



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