

I – Overview

This keypad has three outputs: two dry contact and one collector output.

Each one of those outputs can work in monostable or bistable mode.

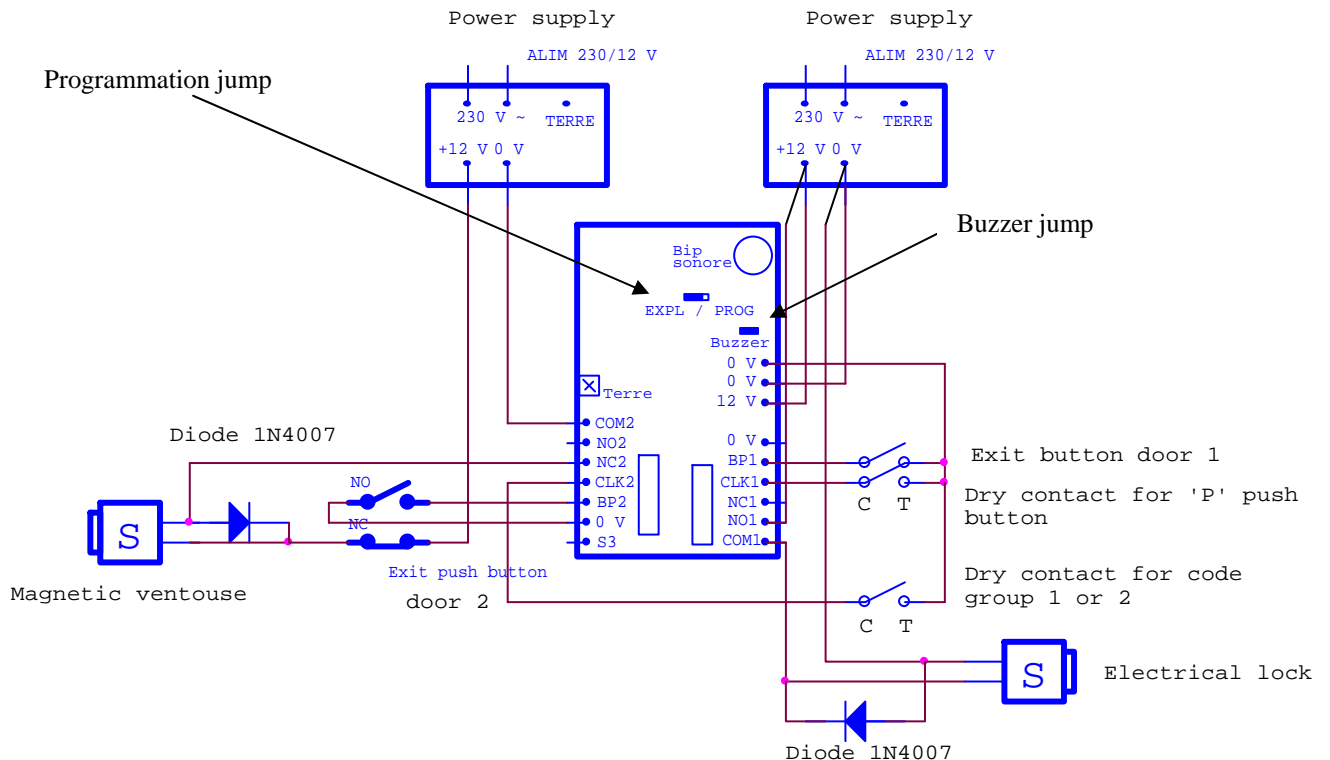
Keypads have backlit buttons allowing a better location of the touch in poorly lit areas.

The 'P' pushbutton on the front panel allows, with an external clock, to actuate the relay number 1.

II – Characteristics

Power supply/consumption	12 V continuous on alternative / 200 mA
Operating temperature	-20°C to + 40°C
Outputs	3 outputs (2 dry contact NO/NC + 1 output S3)
Operating output	Monostable or bistable
Door delay	200 ms to 99 secs.
No. of characters	3 to 8
Access code number	22
Group of code	3 (always / Clk2 open / Clk2 closed)
Master code	1
Changing code	1
'P' push button	Order by Clk1 (dry contact)

III – Wiring diagram



IV – Programmation

Memory organisation

Memory	Description
00	Master code
01 to 22	Access code
31	Door delay relay 1
32	Door delay relay 2
33	Door delay output S2
35	Erase all access code
36	Changing code

Please note:

- On a same relay can be programmed monostable or bistable codes
- The same code can be programmed in a first case to active an output and in other case to active another output.

Example: On the same door, code 2411 opens the door. Code 4245 activates door and alarm.

Programming mode

There are two ways to enter in programming mode:

- move the switch from exploitation to programming
- enter the master code from the exploitation mode

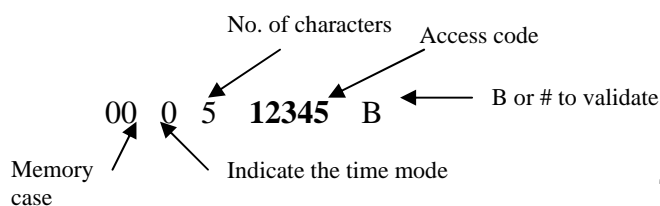
A correct sequence of programmation is signalled by two green led flickering. If the sequence is false, the green led is flickering four times.

To leave the programming mode:

- remove the switch from programming mode to exploitation mode
- in absence of handling during 30 seconds (if entry in the programming mode by master code)

Master code programming:

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



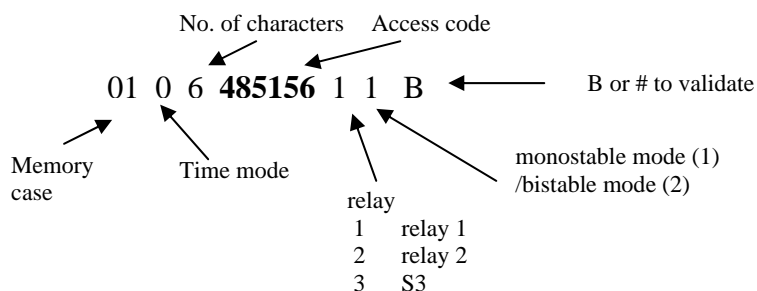
The green led flicking twice.

Functioning of time mode:

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

Time mode	Access code are valid
0	24h a day
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 programming (detailed method):

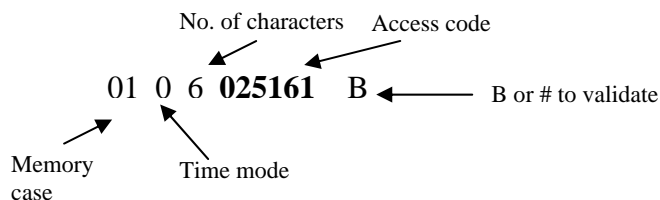


After the access code, two parameters are added:

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

User code programming (simplified method):

In programming mode, type the following sequence:

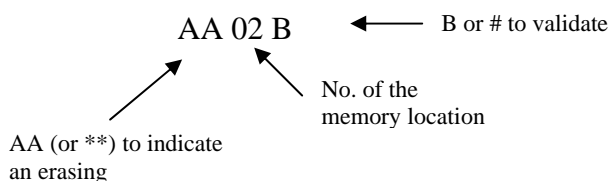


By default, the access code works like this:

- relay 1
- monostable mode

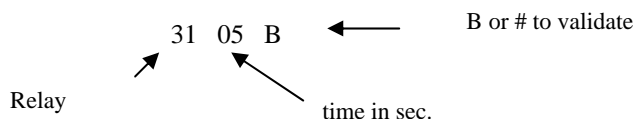
Erase a code:

In programming mode, type the following sequence:



Relay time programming

In programming mode, type the following sequence:



- 31 -> relay 1
- 32 -> relay 2
- 33 -> S3

Time limits are 00 and 99 seconds. 00 correspond to an impulse (200 ms).

Erase all access code:

In programming mode, type the following sequence:

35 00 B (or #)

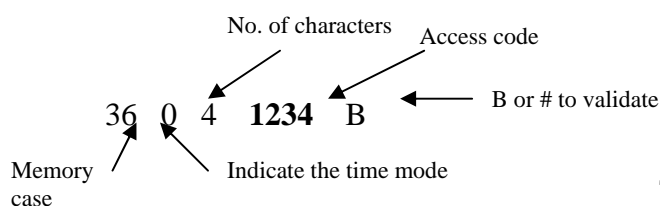
All access code are deleted.

Changing code:

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

Changing code programming:

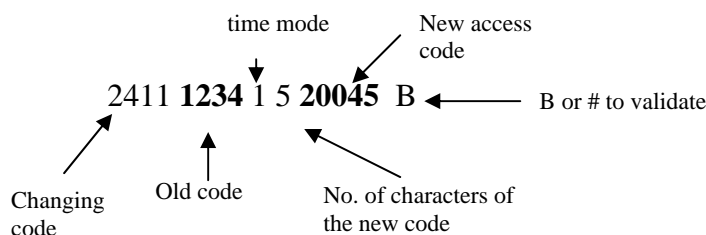
In programming mode, type the following sequence:



The green led flicking twice.

Changing code use:

In exploitation mode, type the following sequence:



This sequence erase 1234 user code and programme 20045. In this example, changing code is 2411.

V –Exploitation (User) mode

When a valid code is entered, the output(s) is activated. All the push buttons are flickering and the green led light for the door delay (1 second if bistable code).

After seizure of a valid bistable code, the indicated relay will pass in its active state. It will be able to return in its normal state only by the entry of a bistable code on the same relay.

In case of 20 entries without a valid access code, the keypad is in security mode and all backlight are disabled for 30 seconds.

Installation life

Address																		
Date																		
Memory																		
case	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.	CODE	M.	H.
XX	12345	M	0															
01																		
02																		
03																		
04																		
05																		
06																		
07																		
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22																		
Door delay																		
31																		
32																		
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**