CDVI

EN

FR

PROFIL100EINT

Illuminated Mullion Weatherproof Keypad Self Contained
Clavier codé rétro-éclairé avec électronique intégrée

Range: Digicode® / **Gamme:** Digicode®

INSTALLATION MANUAL
MANUEL D'INSTALLATION

CDVI *Group Products*

PROFIL100EINT

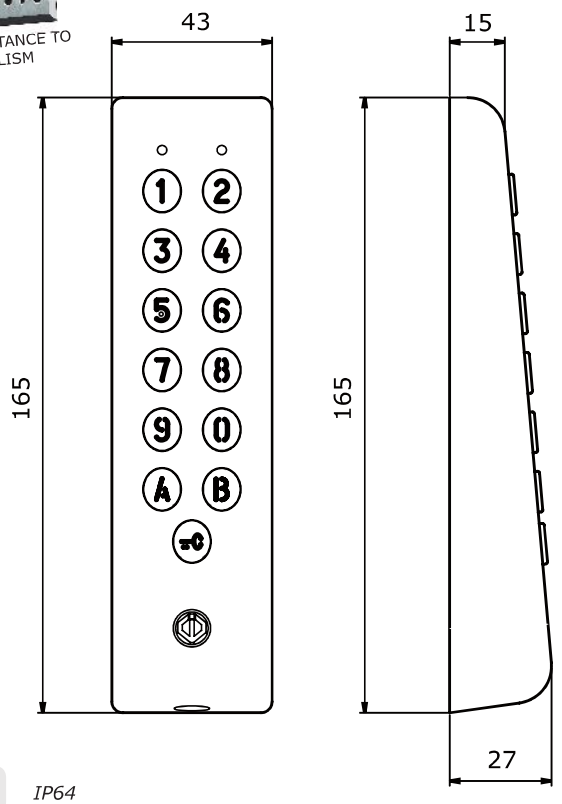
Illuminated Mullion Weatherproof Keypad Self Contained

1] PRODUCT PRESENTATION

- ***Construction: Stainless steel.***
- ***Capacity of 100 user codes of 4 to 6 digits.***
- ***Stored in non-volatile EPROM memory.***
- ***Buzzer audible signal.***
- ***13-backlit keys.***
- ***Illumination mode:*** *permanent or timed.*
- ***High resistance to vandalism (HRV).***
- ***Master code and the User codes can be of 4 to 6-digit in length.***
- ***100 user codes.***
- ***2 Form «C» Relay outputs:***
  6A at 250V relay.
  1A at 120V relay.

- Adjustable time output :
  1 to 99 seconds, select 00 for toggle mode.
- 1 Request-to-Exit input.
- 1 Requeest-to-Enter Key.
- Operating voltage:
  12 to 24V ac and 12 to 48V dc.
- Input voltage: 12 to 24V ac or 12 to 48V dc.
- Consumption: 25 to 80mA.
- Recommended for activating and desactivating your alarm system.
- Surface-mount.
- Free voltage.
- Mounting with Diax® screws.
- Dimensions (L x W x D): 165 x 43 x 27 mm.
- User modification of codes.

H.R.V.
HIGH RESISTANCE TO VANDALISM



IP64

CE Certification

-25°C to +70°C

WEEE & RoHS

Suitable for use in marine environments

Recommended power supplies

2] NOTES & RECOMMENDATIONS

Recommended power supplies suitable for the PROFIL100EINT

- ARD12 (230V input), BS60 (230V input).
- Separate power supply for the control elements.

Mounting recommendations

Mount the keypad on a flat surface to avoid any vandalism and to insure the best mounting.

Wiring reminder

Make sure to insulate any unused wires.

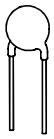
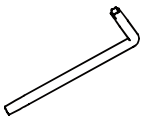
Security advice

For security advice reasons, change the factory default master code.
When selecting a master code and user code avoid simple codes (example : **3 4 5 6 7**).

Back EMF protection

To secure the system from back electromagnetic fields do not forget to mount the varistor in parallel on the lock.

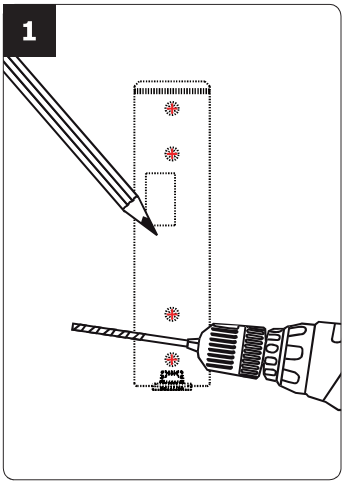
3] MOUNTING KIT

			
	Varistor	**T20 Diax® Spanner**	**Diax® screws (M5x8)**
PROFIL100EINT	**1**	**1**	**1**

4] MOUNTING INSTRUCTIONS

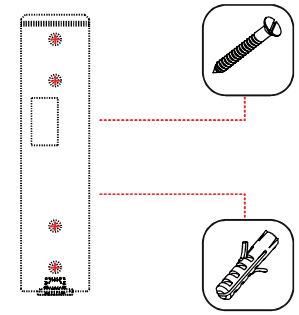
Once you have made sure that the mounting kit is complete and that you prepared the cables of the Digicode® PROFIL100EINT encoded keypad, you can proceed and mount the product.
Make sure that you have all the appropriate tools (drill, screw drivers and a meter tape...) and follow the mounting instructions for the PROFIL100EINT.

1



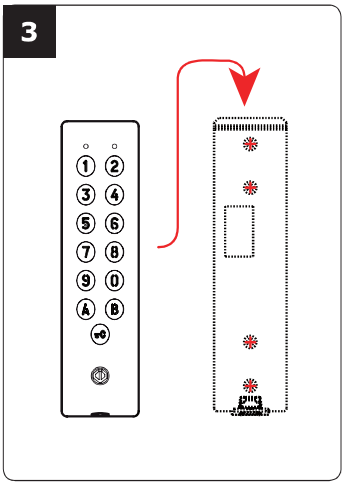
Place the back plate of the PROFIL100EINT on the wall then mark with a pen the hole location then drill the 2 mounting holes (drill bit Ø 5mm a nd 35mm hole depth) and the hole wiring access.

2



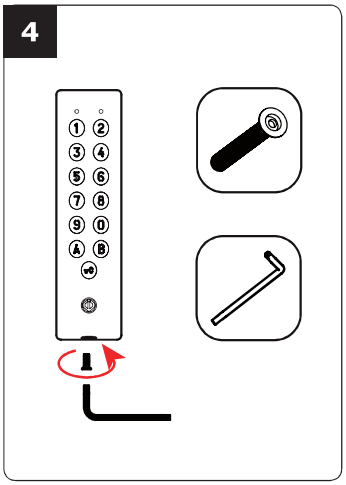
Insert the 2 plastic anchors in the holes. Mount the back plate of the PROFIL100EINT with the screw on the wall.

3



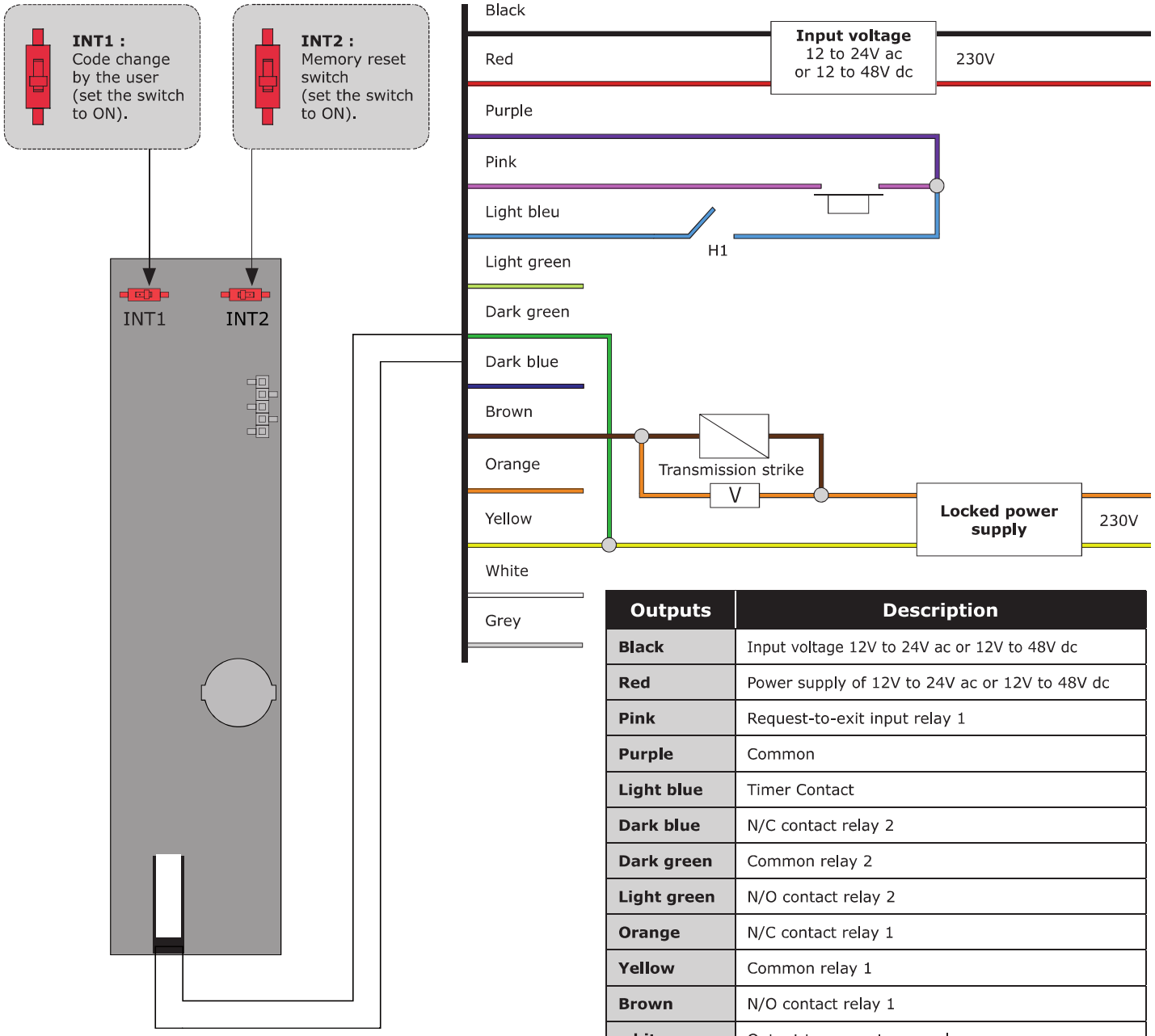
Insert the cable in the hole access area of the back plate. Then mount the keypad on the back plate, placing first the top in the hooks and then the bottom.

4



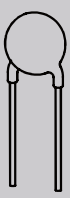
Fasten the PROFIL100EINT keypad to the back plate with the M5x8 Diax® screw and T20 Diax® spanner hardware.

5] WIRING DIAGRAM



Outputs	Description
Black	Input voltage 12V to 24V ac or 12V to 48V dc
Red	Power supply of 12V to 24V ac or 12V to 48V dc
Pink	Request-to-exit input relay 1
Purple	Common
Light blue	Timer Contact
Dark blue	N/C contact relay 2
Dark green	Common relay 2
Light green	N/O contact relay 2
Orange	N/C contact relay 1
Yellow	Common relay 1
Brown	N/O contact relay 1
white	Output to prevent removal
Grey	Output to prevent removal

This product is delivered with a varistor.
The varistor must be installed directly on the terminals of the strike (electromagnetic lock, motor, etc.) controlled by the device. If the device operates with several strikes, each must be equipped with a varistor. The varistor prevents voltage surges caused by the coil of the strike – self effect. If the "shear lock" type of electromagnetic lock is used, it must be connected to a separate power supply from the PROFIL100EINT!



PROFIL100EINT

Illuminated Mullion Weatherproof Keypad Self Contained

Default values

- Without codes,
- Illumination time: 10 seconds,
- Relay release time: 1 second,
- Code length: 5-digits,
- Master Code: **1 2 3 4 5**,
- Programming security time : *120 secondes,*
- Code length for sub master code:
  - *Version 1 relay (Group 1)* = **A and B**,
  - *Version 2 relays (Group 2)* = **1 and 3.**

Audible signal:

The buzzer indicates different audible signals. It can be turned off by cutting the ST1 wire on the remote controller

- **1 short beep:** Keypad powered,
- **1 long beep:** Data computing in programming or access granted,
- **2 short beeps:** Enter or Exit from programming,
- **4 short beeps:** Data computing error.

Code length

- The master code and the User codes can be of 4 or 5-digits in length.
- All the keypad keys can be used to program a code.
- The master code and the Pin code can be of 4, 5 or 6-digits code.
- The master code CAN NOT be used as a PIN code (User Pin code).
- To delete a specific User pin Code replace it by **0 0 0 0** if code length is 4-digits format or replace it by **0 0 0 0 0** if the code is in 5-digits format.

Control by exit push button

- The connection of push button P1 is intended to control relay 1 (the mode and the timer are programmable).
- The clock switch H1 allows the "Key" key to be used as an outdoor button.
- If the clock switch is open, the "Key" key is inactive.
- If the clock switch is closed, the "Key" key is used for free unlocking.

Consumption

(With the 2 relays controlled and permanent lighting)

- At 12V dc : max. 90mA,
- At 12V ac : max. 70mA,
- At 24V dc : max. 50mA,
- At 24V ac : max. 40mA.

A. RESET MASTER CODE AND USER CODES

1. Enter the master code twice
(**1 2 3 4 5** default value master code).
- The red LED lights on,
- 2 beeps are emitted to confirm entry in programming mode.

2. Press A6 to reset the Master Code and the User codes.
- The green LED lights on during 1 second,
- One beep is emitted,
- Press on **A** and **B** to confirm reset of all memory of the keypad,
- The green LED lights on,
- Wait until the LED lights off,
- Wait for two beeps,
- The master code is restored to its default value **1 2 3 4 5** and all the User codes are deleted from the keypad,
- The keypad is reset, the red LEDs remain on and then turn off.
- Once the reset is completed then the keypad returns to a stand-by operating mode,

OR

1. Cut the power. Place the jumper on P2.

2. Put the power back.
- The green LED lights on,
- Wait approximately 3 seconds, one beep is emitted,
- The green LED lights off,
- Remove P2 jumper.

3. The master code is restored to its default value 1 2 3 4 5
All the User codes are deleted from the keypad.

B. SETTING CODE LENGTH

1. Enter the master code twice.
(**1 2 3 4 5** default value master code).
- The red LED lights on,
- 2 beeps are emitted to confirm entry in programming mode.

2. Press A4 to program the code length.
- The green LED lights on during 1 second,
- One beep is emitted,
- Press **4**, **5 OR 6** for the digit code,
- The green LED lights on during 1 second,
- Two beeps are emitted to confirm programming of the code length.

3. Press A5 to modify the master code.
- The green LED lights on during 1 second,
- One beep is emitted,
- Enter the new 4, 5 or 6-digits master code,
- The green LED lights on during 1 second,
- One beep is emitted to confirm programming of the new master code.

4. Press B to exit from programming mode.
2 beeps are emitted to confirm that the key-pad is in stand-by operating mode.

4 beeps indicate a data computing error.

C. CHANGING THE MASTER CODE

The master code is used only to enter in programming mode.

1. **Enter the master code twice.**
(**1 2 3 4 5** default value master code).
   - The red LED lights on,
   - 2 beeps are emitted to confirm entry in programming mode.
2. **Press A5 to modify the master code.**
   - The green LED lights on during 1 second,
   - One beep is emitted,
   - Enter the new 4, 5 or 6 digits master code,
   - The green LED lights on during 1 second,
   - One beep is emitted to confirm that the master code is programmed.
3. **Press B to exit from the programming mode.**
   - The red LED lights off,
   - 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

D. ADDING, CHANGING OR DELETING A USER CODE

Group 1: From address 00 to address 59, relay output 1
Group 2: From address 60 to address 99, relay output 2

1. **Enter the master code twice (1 2 3 4 5 default value master code).**
   - The red LED lights on,
   - 2 beeps are emitted to confirm entry in programming mode.
2. **To add a user code, enter the user location (from 00 to 99).**
   - If the user location is free, the green LED lights on during 1 second and 1 beep is emitted, enter the 4, 5 or 6-digits User code,
   - If the user location is already programmed, the red LED flashes 4 times,
   - 4 beeps are emitted,
   - Enter a new 4, 5 or 6-digits code,
   - The green LED lights on during 1 second,
   - A beep is emitted to confirm the new user code.
4. **To delete a User code enter the user location.**
   - 4 beeps are emitted,
   - Press **0 0 0 0 0 0** in 6-digits length code or **0 0 0 0 0** in 5-digits length code or **0 0 0 0** 4-digits length code,
   - A beep is emitted to confirm the new user code.

NOTE: *If the Pin code is already programmed or is identical to the master code, the red LED flashes 4 times, then 4 beeps are emitted. Press B to exit from the programming mode. 2 beeps are emitted to confirm that the key-pad is in stand-by operating code.*

E. TIME OUTPUTS

This section allows to program the illumination time and the Relay activation time.

1. **Enter the master code twice**
(**1 2 3 4 5** default value master code).
   - The red LED lights off,
   - 2 beeps are emitted to confirm entry in programming mode.
2. **Press A0 to program the key-in keypad time and the keys lit time.**
   - The green LED lights on during 1 second,
   - 1 beep is emitted,
   - Enter the time in 10th of second – **10** for 10 seconds up to **99** for 99 seconds the backlighting dims 10 seconds after the last keypress or switches off after entering a valid code,
   - The green LED lights on during 1 second,
   - Press **00** for permanent illumination keys,
   - One beep is emitted to validate the time.
3. **Press A1 to program relay 1 output time (door release time).**
   - The green LED lights on during 1 second,
   - 1 beep is emitted,
   - For a latched output enter the time in seconds – **01** for 1 second up to **99** for 99 seconds,
   - Press **00** for a toggled output,
   - The green LED lights on during 1 second,
   - One beep is emitted to validate the time.
4. **Press A2 to program relay 2 output time (door release time).**
   - The green LED lights on during 1 second,
   - 1 beep is emitted,
   - For a latched output enter the time in seconds – **01** for 1 second up to **99** for 99 seconds,
   - Press **00** for a toggled output,
   - The green LED lights on during 1 second,
   - One beep is emitted to validate the time,
   - Press B to exit from programming mode,
   - The red LED lights off,
   - 2 beeps are emitted to confirm that the key-pad is in stand-by operating mode.

4 times red LED flashing and 4 beeps emitted indicate a data computing error.

F. RESET MASTER CODE

On stand-by operating mode, put a jumper on P2.

- The green LED lights on,
- One beep is emitted,
- Wait until the green LED switches off,
- To desable the function remove the jumper,
- The master code is restored to its default value **1 2 3 4 5 6** in 6-digits code, **1 2 3 4 5** in 5-digits code and **1 2 3 4** in 4-digits code,

G. CHANGING THE CODE BY A USER

To authorize a user to modify its own User code place the jumper on P3 (to disable the function remove the jumper).

1. Enter the old user code.
- The relay is activated and a beep is emitted,
- The green LED lights on,
- One beep is emitted.

2. Enter the 2-digits sub master code
- **Relay 1,** for the first use : **A** and **B**,
- **Relay 2,** for the first use : **1** and **3**,
- The red LED lights on,
- A beep is emitted to authorise the modification.

3. Enter the new user code.
- The green LED lights on during 1 second,
- 2 beeps are emitted to confirm the new code,
- The red LED lights off.

4. Check the new user code to be sure of the modification.

H. SETTING A SUB MASTER CODE

- The Sub Master code allows the user to change its own code without entering in programming mode,
- For security reasons the code need to be changed periodically,
- This feature makes it easier and faster to change its code.

1. Enter the master code twice
(**1 2 3 4 5** default value master code).
- The red LED lights on,
- 2 beeps are emitted to confirm entry in programming mode.

2. Press A7 to program a sub master code for the user individual Pin code modification.
- The green LED lights on during 1 second,
- One beep is emitted,
- Enter the new 2-digits sub master code,
- The green LED lights on during 1 second.
- One beep is emitted to confirm programming of the sub master code.

3. Press A8 to program a sub master code for the user individual Pin code modification.
- The green LED lights on during 1 second,
- One beep is emitted,
- Enter the new 2-digits sub master code,
- The green LED lights on during 1 second,
- One beep is emitted to confirm programming of the sub master code.

4. Press B to exit from the programming mode.
- The red LED lights off,
- 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

I. Audible Feedback

- The audible signal is enabled in programming mode and when the relay is energised after a valid code,
- To enable the audible feedback on a key press:

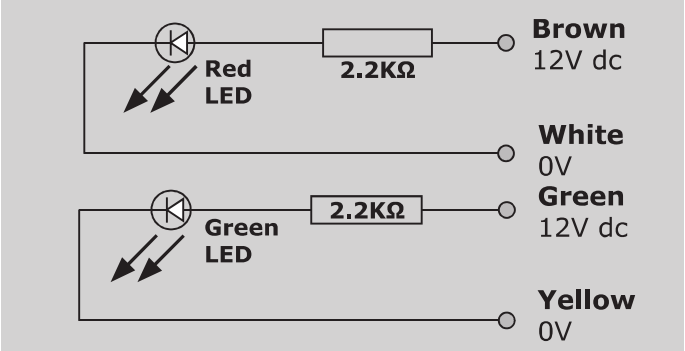
1. Enter the master code twice
(**1 2 3 4 5** default value master code).
2 beeps are emitted to confirm entry in programming mode.

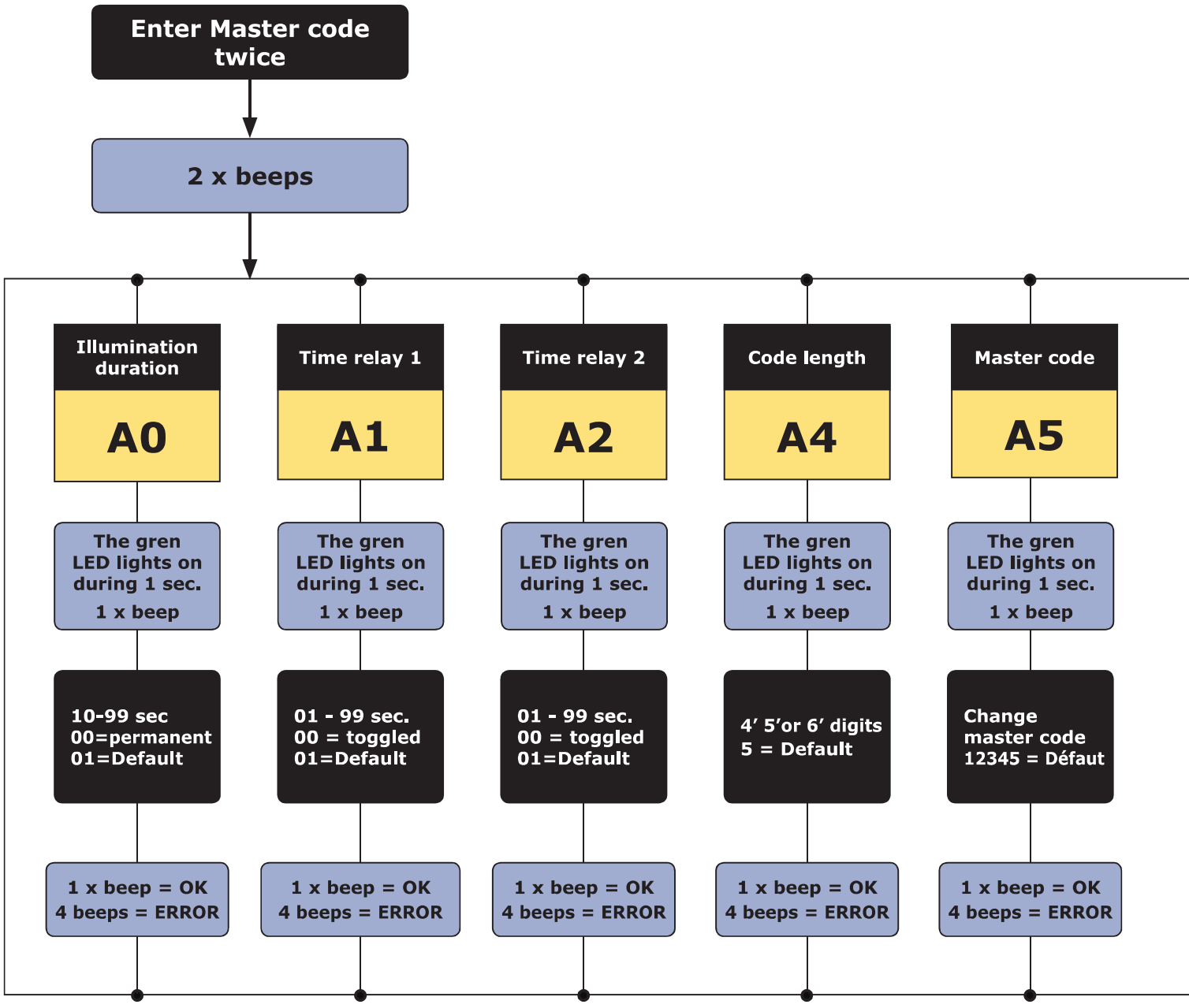
2. Press AA.
- One beep is emitted,
- Press **0** to disable the audible signal during a keypress,
- Press **1** to enable the audible signal during a keypress,
- One beep confirms the new setting.

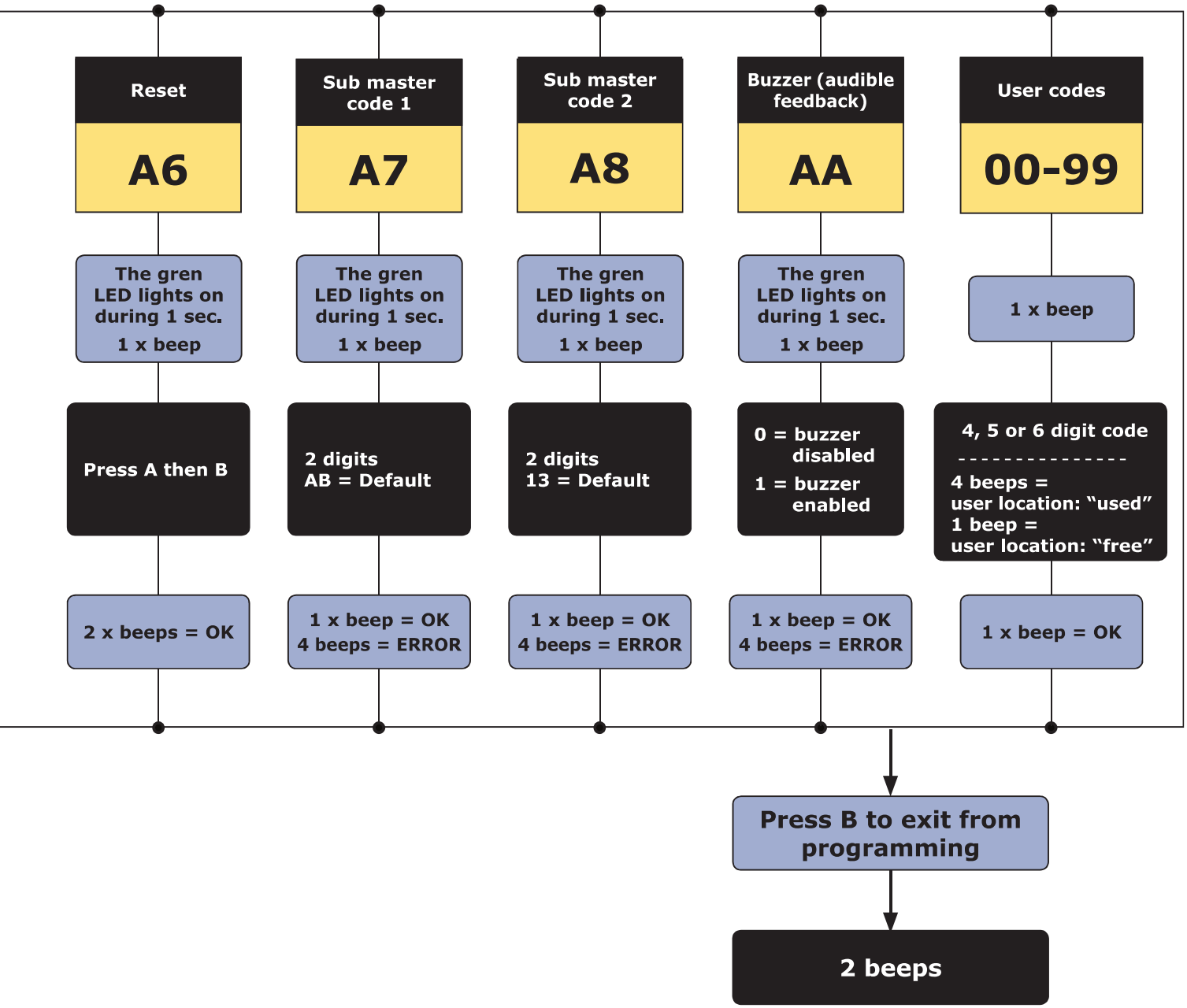
3. Press B to exit from programming.
2 beeps are emitted to confirm exit from programming mode.

J. Use of the red and green LEDs:

- The red and green LEDs are designed to receive 12V dc (built-in resistors),
- They are wired as follows:




Enter Master code twice
2 x beeps
Illumination duration
A0
Time relay 1
A1
Time relay 2
A2
Code length
A4
Master code
A5
The gren LED lights on during 1 sec.
1 x beep
10-99 sec
00=permanent
01=Default
01 - 99 sec.
00 = toggled
01=Default
4' 5'or 6' digits
5 = Default
Change master code
12345 = Défaut
1 x beep = OK
4 beeps = ERROR


Reset
A6
The gren LED lights on during 1 sec.
1 x beep
Press A then B
2 x beeps = OK
Sub master code 1
A7
The gren LED lights on during 1 sec.
1 x beep
2 digits
AB = Default
1 x beep = OK
4 beeps = ERROR
Sub master code 2
A8
The gren LED lights on during 1 sec.
1 x beep
2 digits
13 = Default
1 x beep = OK
4 beeps = ERROR
Buzzer (audible feedback)
AA
The gren LED lights on during 1 sec.
1 x beep
0 = buzzer disabled
1 = buzzer enabled
1 x beep = OK
4 beeps = ERROR
User codes
00-99
1 x beep
4, 5 or 6 digit code
4 beeps =
user location: "used"
1 beep =
user location: "free"
1 x beep = OK
Press B to exit from programming
2 beeps

PROFIL100EINT

Illuminated Mullion Weatherproof Keypad Self Contained

This spread sheet will help you keep track of the user codes programmed in the keypad

User location	Code	Name
00		
01		
02		
03		
04		
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User location	Code	Name
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User location	Code	Name
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99		

Reminder	**Relay 1(1 output)** From user location 00 to 99.	**Relay 2 (2 output)** Relay 1 : From 00 to 59, Relay 2 : From 60 to 99.

Reference : G0301FR0269V02
Extranet : EXE-CDVI_IM PROFIL100EINT CMYK A5 EN-FR 01

Manufacturing Access Control since 1985

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