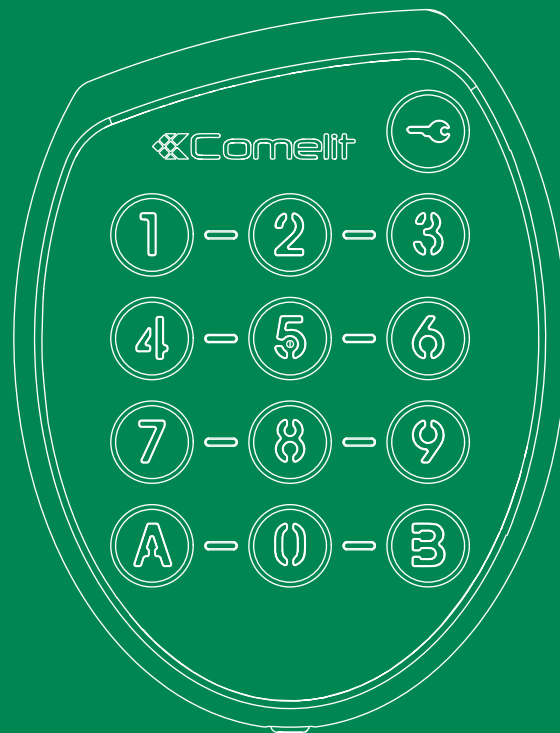


EN

FULL
DETAILS



SKB

Vandal Resistant keypad - Full Details

 **Comelit**[®]
Passion. Technology. Design.

WARNING

Intended use

This Comelit product was designed for use in the creation of audio and video communication systems in residential, commercial or industrial settings and in public buildings or buildings used by the public.

Installation

All activities connected to the installation of Comelit products must be carried out by qualified technical personnel, with careful observation of the indications provided in the Manuals / Instruction sheets supplied with those products.

Wires

Cut off the power supply before carrying out any maintenance procedures.

Use wires with a cross-section suited to the distances involved, observing the instructions provided in the system manual.

We advise against running the system wires through the same duct as the power cables (230V or higher).

Safe usage

To ensure Comelit products are used safely:

- carefully observe the indications provided in the Manuals / Instruction sheets
- make sure the system created using Comelit products has not been tampered with / damaged.

Maintenance

Comelit products do not require maintenance aside from routine cleaning, which should be carried out in accordance with the indications provided in the Manuals / Instruction sheets.

Any repair work must be carried out

- for the products themselves, exclusively by **Comelit Group S.p.A.**,
- for systems, by qualified technical personnel.

Disclaimer

Comelit Group S.p.A. does not assume any responsibility for

- any usage other than the intended use
- non-observance of the indications and warnings contained in this Manual / Instruction sheet.

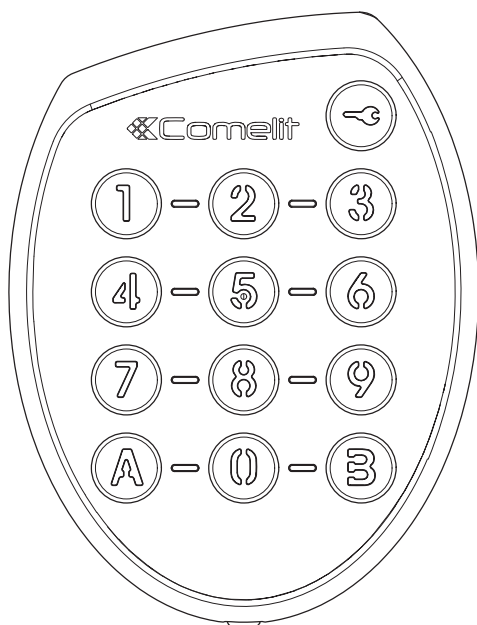
Comelit Group S.p.A. nonetheless reserves the right to change the information provided in this Manual / Instruction sheet at any time and without prior notice.

SUMMARY

1.	GENERAL PRESENTATION	3
1.1.	TECHNICAL SPECIFICATIONS	3
1.2.	VIEW OF THE FRONT	3
1.3.	VIEW OF THE BACK	4
2.	INSTALLATION	4
2.1.	POSITIONING	4
2.2.	ON A WALL	5
2.3.	ON A PLASTERBOARD	5
3.	GENERAL CONFIGURATION	6
3.1.	MASTER CODE: CODE [B4]	6
3.2.	GENERAL SETTINGS: CODE [B0]	6
	Number of digits	6
	Backlighting	6
	Wiegand	6
	Internal / External Relays	6
	Anti-Aggression Control	6
	Anti-Aggression Key	6
3.3.	DISABLING BUZZER WHEN BUTTONS ARE PRESSED: CODE [B80]	7
3.4.	FACTORY RESET	7
4.	PROGRAMMING / DELETION OF THE OPENING CODES	8
4.1.	RELAY SELECTION AND VALIDITY OF OPENING CODE: CODE [B5]	8
4.2.	OPENING CODE	8
4.3.	DELETING ONE OR SEVERAL CODES	9
4.4.	TIME DELAY - MODE OF OPERATION - BUZZER RELAY: CODE [B1] AND [B2]	10
5.	USE	10
5.1.	BASIC	10
5.2.	CLOCK	10
5.3.	ALARM	10
6.	ADVANCED FUNCTIONS OF CLOCK INPUT AND “KEY” BUTTON	11
6.1.	CODE DESCRIPTION [B81]	11
6.2.	UNIVERSAL ACCESS CODE : CODE [B82]	11
7.	WIRING	12
7.1.	WITH MAGLOCK	12
7.2.	WITH ELECTRIC LOCK	12
7.3.	WITH CLOCK AND ALARM	13
7.4.	WIEGAND CONNECTION	13
7.5.	WITH EXTERNAL RELAYS	14

1. GENERAL PRESENTATION

1.1 TECHNICAL SPECIFICATIONS

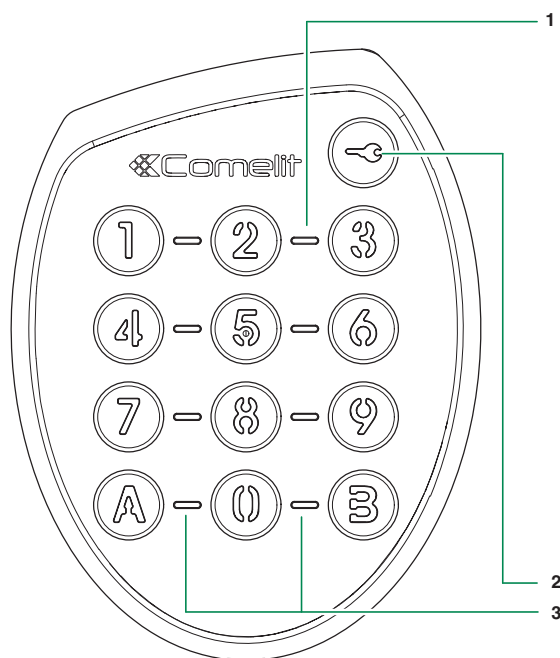


- Power supply: 12-35 V DC or 12-24 V AC
- Energy consumption SKB powered by 4399 (at 13.98 Vdc)
In standby with backlighting on: 60 mA
With 2 relays active and buzzer on: 170 mA
- Capacity 100 user codes and 1 supervisor code (programming mode)
- Code length: can be set from 3 to 6 digits
- Backlighting of keys (programmable option)
- Number of relays: 2 – 60W: 5A with 12V DC
- Monostable or bistable mode relays
- Setting of relay time delay between 1 and 99 seconds (0 = bistable)
- Control of a "RTE" entry: makes it possible to open the relay number 1
- Control of a buzzer
- Control of a "clock" entry
- Control of an alarm (1)
- Wiegand Control. Every time a button is pressed, its code will be issued in 4 bits. (2)
- Control of external relays (2)
- Operating temperature: -25°C to + 55°C
- Protection rating: IP54, IK8
- Dimensions (H x W x D): 100 x 80 x 20 mm

(1) Not available in Wiegand mode.

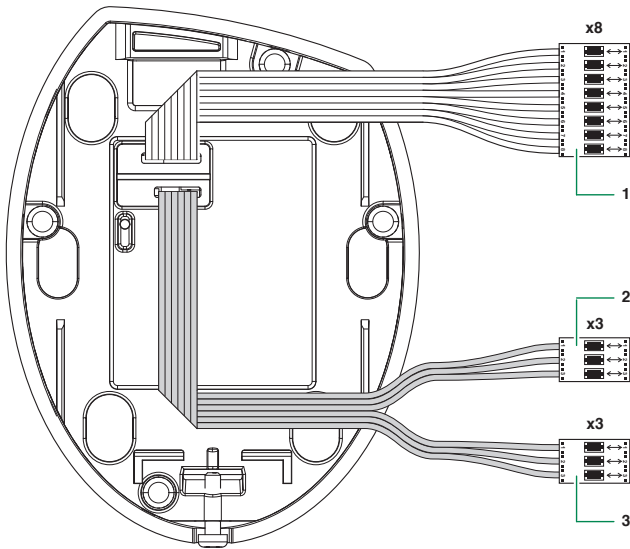
(2) The Wiegand and External Relay control functions can not operate simultaneously.

1.2. VIEW OF THE FRONT



- 1. Status indicator:** Indicates the result of the action taken with different colours:
 - BLEU: Standby mode
 - Flashing GREEN: Input in progress
 - GREEN: Activation of relay number 1, following the input of an authorized code
 - MAUVE: Activation of relay number 2, following the input of an authorized code
 - WHITE: Activation of relays 1 and 2 at the same time, following the input of an authorized code
 - RED: Code rejected
 - Flashing RED: Following the input of 3 consecutive rejected entry codes (wait 15 seconds before you can re-enter a code)
 - Continuous RED: WIEGAND mode activated. Each time a button is pressed, its code will be emitted in 4 bits.
 - YELLOW: Programming mode
 - Flashing BLUE: Clock activated (key button operational)
- 2. Key Button:** Triggers the opening of relay number 1 if the clock input is activated.
- 3. Blue indicators**

1.3. VIEW OF THE BACK



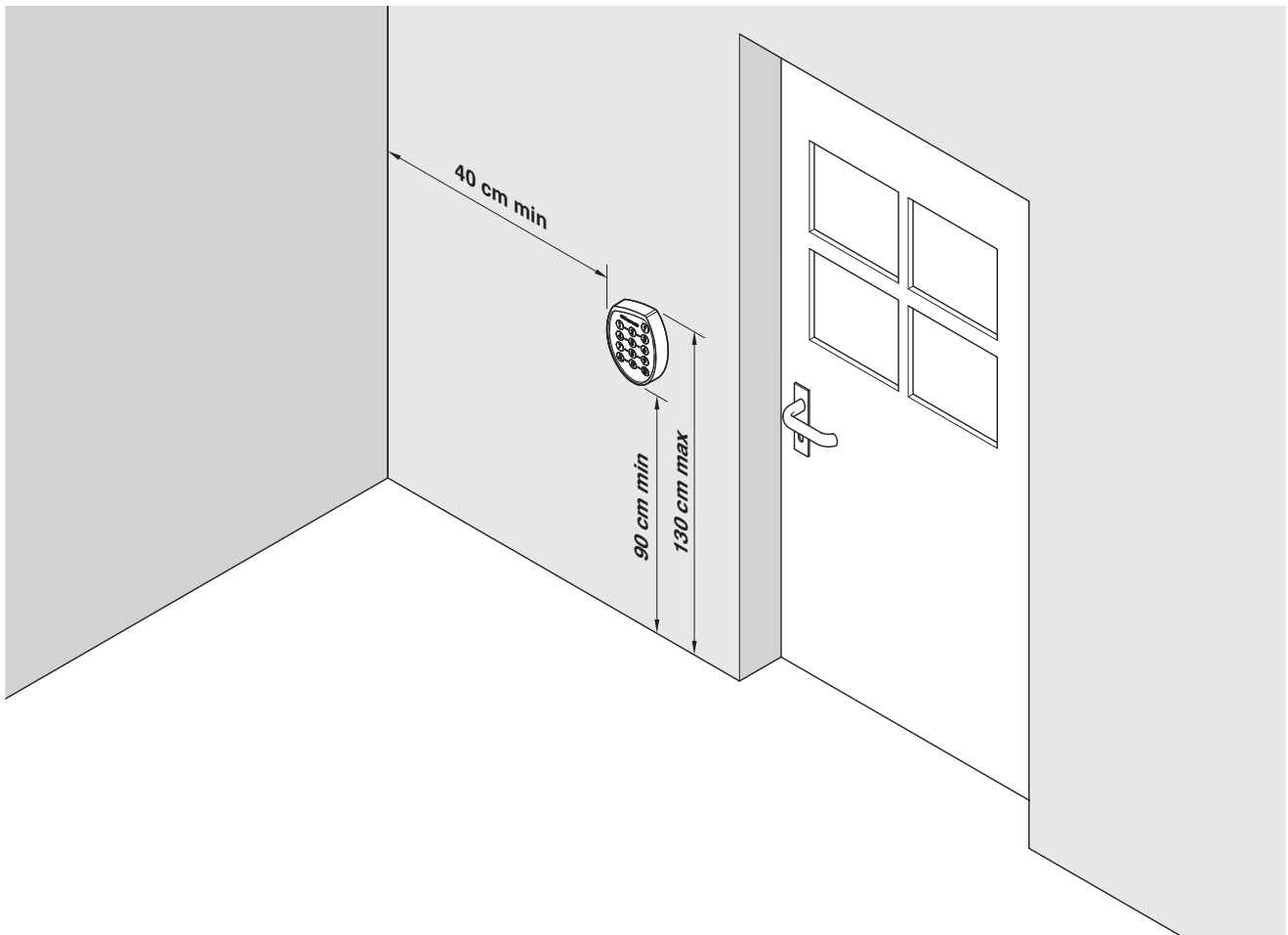
1. **C2 (Brown)** : Common Relay 2
NC2 (Red) : NC Relay 2
NO2 (Orange) : NO Relay 2
H (Yellow) : Clock input / Wiegand D1 output
D- (Green) : RS485 D-
D+ (Blue) : RS485 D+
GND (Violet) : GND
AL (Grey) : Alarm Output / Wiegand Input control LED
2. **AL+ (White)** } 12-35V DC or 12-24V AC power supply
AL- (Black) }
BP1 (Brown) : RTE input / Wiegand D0 output
3. **C1 (Red)**: Common Relay 1
NC1 (Orange): NC Relay 1
NO1 (Yellow): NO Relay 1

2. INSTALLATION

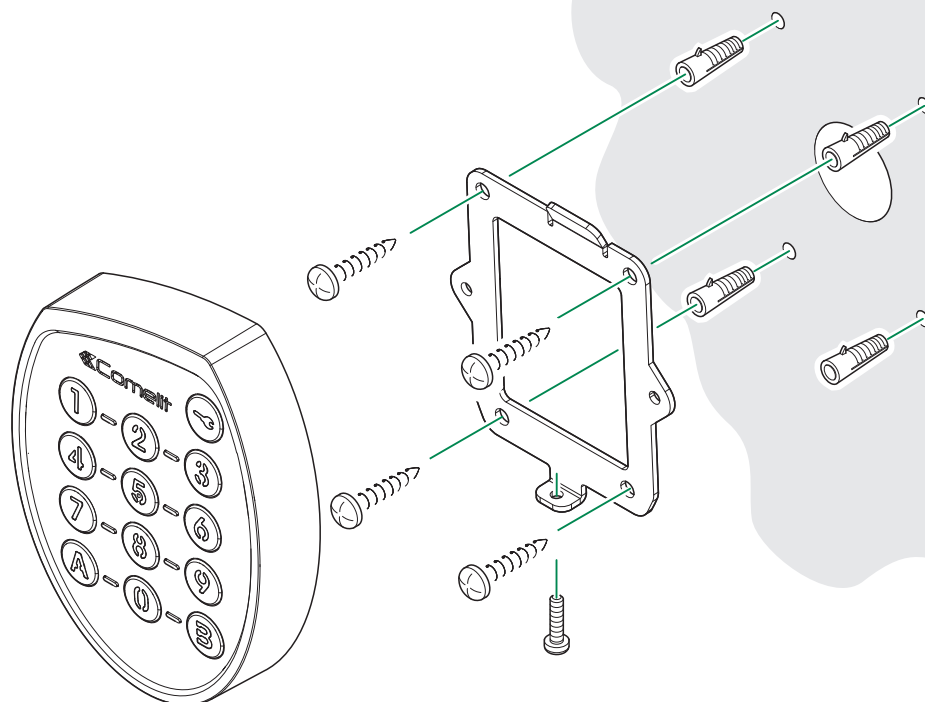
2.1. POSITIONING

To ensure access and use, we recommend that this product is installed at a height of 0.90m to 1.30m. It must also be located

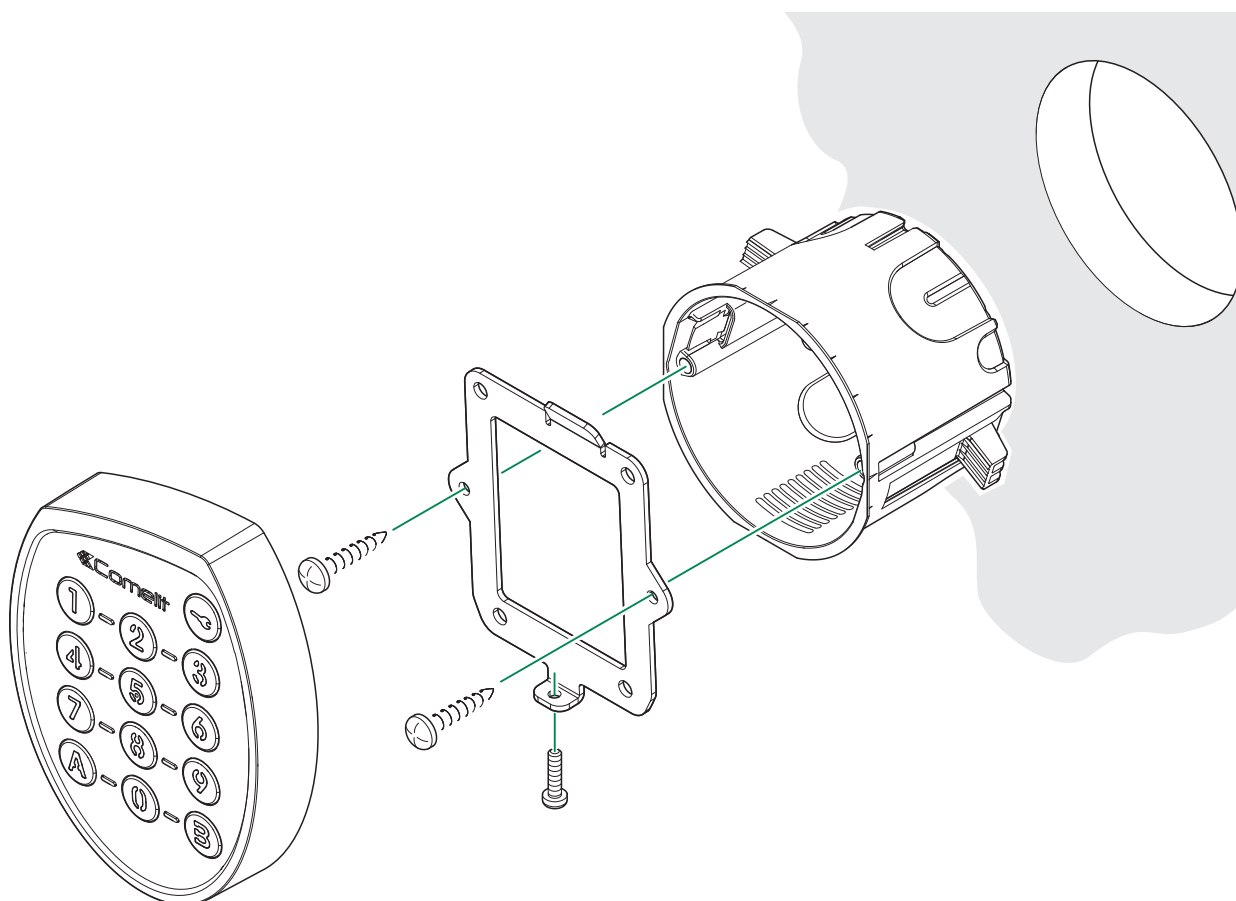
more than 0.40m away from a concave angle of the wall or another obstacle to the approach of a wheelchair.



2.2. ON A WALL



2.3. ON A PLASTERBOARD



3. GENERAL CONFIGURATION

Your SKB keypad is delivered with the following default configuration:

Master code: 123456
 Number of digits for the opening codes: 5
 Relays associated with the opening: Number 1
 Validity counter: Permanent
 Time delay of relay number 1: 5 seconds
 Buzzer of relay number 1: Off
 Anti-Aggression Mode: Off
 Wiegand Mode: Off

Relay Mode: Internal
 Backlighting: Permanent

If it is not changed, this is the configuration that will be used during the programming of the opening codes. Depending on your needs, you can change it before the programming of the codes.

3.1. MASTER CODE: CODE [B4]

This code is the one that grants authorisation to program the keypad. By default this is "123456". Depending on the definition of the number of digits on your keypad, it will be used partially or in full. For example, if your keypad is set up to use 5 digits (factory default), it is only necessary to use the first five digits of it, i.e. "12345" to access programming.

This code can be changed by means of the record B4. In this case, it is necessary to set a new code made up of 6 digits.

For example:	Setting the master code "062015" with a keypad set up to use 5 digits.
Type:	"12345" (programming mode)
then:	"B4" (to select record B4)
then:	"062015" (to enter the new master code)
and lastly:	"BB" (leave programming mode).

Stages broken down key by key in the example:

Key	LED Status	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Flashing Green	Input Mode
4	Flashing Green	Input Mode
5	Yellow	Programming mode activated
B	Flashing Green	Input Mode
4	Flashing Green	Input Mode

(continues)

Key	LED Status	Description
0	Flashing Green	Input Mode
6	Flashing Green	Input Mode
2	Flashing Green	Input Mode
0	Flashing Green	Input Mode
1	Flashing Green	Input Mode
5	Green (2s) then Yellow	Recording of the new master code in memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode

Note:

If the code is lost, it is still possible to change it. Before connecting the power supply to your keypad, make a bridge between terminals "GND" and "ALARM OUTPUT / WIEGAND LED CONTROL INPUT".

When power is supplied the status indicator will show that the programming mode is activated by turning yellow. The last step is to set a new master code as follows:

For example:	Setting the master code to "062015" after it has been lost.
Make a bridge between the two terminals described above,	
Supply power to the keypad	(programming mode),
Type:	"B4" (to select the record B4),
Then:	"062015" (enter the new master code),
and lastly type:	"BB" (to leave programming mode).



WARNING: After you finish this operation, make sure that the bridge is removed. This will prevent the unwanted reactivation of programming mode in the event of an AC power failure.

3.2. GENERAL SETTINGS: CODE [B0]

This section includes the main operating settings of your keypad. Below is the list of settings.

Setting	Value authorised	Description
Number of digits	3 - 4 - [5] - 6	This setting determines the length of the opening codes (the default is 5). The choice of the number of digits is applicable to all of the codes. ! WARNING ! If this value is changed, then all of the previously programmed opening codes will be deleted.
Backlighting	[0] - 1	Allows you to choose between the permanent (value 0) or temporary (value 1) illumination of the keys. In temporary mode, when there is no keypad activity the light turns off after 20 seconds.
Wiegand	[0] - 1	Activation or deactivation of Wiegand mode. 0 = Off / 1 = On (Each time a button is pressed, its code will be emitted in 4 bits)

Setting	Value authorised	Description
Internal / External Relays	[0] - 1	When you want to use relays that are external to the SKB, set the value to 1. It is not possible to use the keypad's internal relays and external relays simultaneously. 0 = Relays 1 and 2 internal / 1 = Relays 1 and 2 external
Anti-Aggression Control	[0] - 1	This function can trigger an alarm when a particular character is entered after an authorised opening code. 0 = Off / 1 = On
Anti-Aggression Key	[0] - 1 - 2 - 3 4 - 5 - 6 - 7 8 - 9 - A - B	Define the anti-aggression character used if the function is activated.

[]: Default value

When you have set all of the settings above, you can configure the keypad as described in the following example (key previously defined with 5 digits):

Type:	"12345" (programming mode),
then:	"B0" (to select record B0),
then:	"300000" (3 digits / permanent backlighting / wiegand off / internal relays / no anti-aggression control / anti-aggression key "0"),
and lastly:	"BB" (to leave programming mode).

Note: Although in this example the Anti-Aggression control is not activated, the procedure still requires the value of the Anti-Aggression key to be assigned.

Steps broken down key by key in the example:

Key	Status LED	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Flashing Green	Input Mode
4	Flashing Green	Input Mode
5	Yellow	Programming mode activated
B	Flashing Green	Input Mode
0	Flashing Green	Input Mode
3	Flashing Green	Input Mode
0	Flashing Green	Input Mode
0	Flashing Green	Input Mode
0	Flashing Green	Input Mode
0	Flashing Green	Input Mode
0	Green (2s) then Yellow	Recording of the settings in the memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode

3.3. DISABLING BUZZER WHEN BUTTONS ARE PRESSED: CODE [B80]

Under factory settings, every time a button is pressed (apart from the key button) the buzzer will sound. It is possible to disable the buzzer by using the code "B80". This is available from version V1.3 of the SKB.

Example:	Disabling the buzzer when buttons are pressed with a keypad configured to 5 digits.
Type:	"12345" (programming mode)
then:	"B80" (enter code B80)
then:	"0" (value "0" to disable the buzzer, value "1" to enable the buzzer)
and lastly:	"BB" (to leave programming mode)

3.4. FACTORY RESET

It is possible to return to the default configuration, when it has been changed. To do this, enter the master code, the initialization code "BA0BAB" and then press the "B" key twice to exit programming.

For example:	Factory reset of a keypad configured with 5 digits.
Type:	"12345" (programming mode),
then:	"BA0BAB" (input of factory reset code)
and lastly:	"BB" (to leave programming mode).



WARNING: The factory reset does not delete the opening codes that have already been set. However, if the previous configuration included a number of digits other than 5, then all of opening codes set will be deleted. The universal access code will not be deleted by this reset (see section 6.2)

4. PROGRAMMING / DELETION OF THE OPENING CODES

4.1. RELAY SELECTION AND VALIDITY OF OPENING CODE: CODE [B5]

This record enables you to define the relays associated with the opening code set.

By default the relay number 1 is defined, associated with the value "0" of the counter (permanent validity).

If your choice of relay or of the validity counter is different, this record has to be defined during the programming phase of the opening codes.

Setting	Value authorised	Description
Relays	[1] - 2 - 3	This setting defines the relays that will be associated with the opening code set (by default the relay number 1). 1 = Relay Number 1 / 2 = Relay Number 2 3 = Relays Number 1 et Number 2
Counter	[0] - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9	Defines the validity of the opening code set. If you choose "0", your code will always be authorised (permanent validity). If you wish to limit the number of times the opening code can be used, simply select the desired number between "1" and "9". For example, if you choose "5" it will be possible to trigger the opening 5 times using this code. Then the code will be deactivated.

[] : Default value

For example:	Setting the relays 1 and 2 to permanent validity with a keypad set up to take five digits using the opening code "55623".
Type:	"12345" (programming mode),
then:	"B5" (to select record B5),
then:	"30" (control of relays 1 and 2 - permanent validity),
then:	"55623" (enter the opening code),
and:	"B" (to record the code in the memory),
and lastly:	"BB" (to leave programming mode).

Steps broken down key by key in the example:

Key	Status LED	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Flashing Green	Input Mode
4	Flashing Green	Input Mode
5	Yellow	Programming mode activated
B	Flashing Green	Input Mode
5	Flashing Green	Input Mode
3	Flashing Green	Input Mode
0	Green (2s) then Yellow	Recording of the settings in the memory
5	Flashing Green	Input Mode
5	Flashing Green	Input Mode
6	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Flashing Green	Input Mode
B	Green (2s) then Yellow	Recording of the code in the memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode

4.2. OPENING CODE

The SKB has 100 memory locations for programming the opening codes. Depending on the configuration of the keypad it is possible to program codes with 3 to 6 digits. The choice of the number of digits is applicable to all of the codes.

Please note: By default, the keypad is delivered with programmable codes with a length of 5 digits, associated with the relay number 1. It is possible to change this configuration before programming your opening codes.

If the LED turns red during the operation, it means that it been refused. In this case, it is necessary to restart the operation.

To record a code, enter the master code, your code (of the same length as the master code), followed by the "B" button to confirm and finally twice the "B" button to leave programming.

Example Number 1:	Recording of the code with 5 digits "A15B1" for activation with permanent validity of the relay number 1.
Type:	"12345" (programming mode),
then:	"A15B1" (enter the opening code),
and:	"B" (to record the code in the memory),
and lastly:	"BB" (to leave programming mode).

Example Number 2:	Recording of the code with 5 digits "52462" for activation with permanent validity of the relay number 2.
Taper	"12345" (programming mode),
then:	"B5" (to select record B5),
then:	"20" (control of relays 1 and 2 - permanent validity),
then:	"52462" (enter the opening code),
and:	"B" (to record the code in the memory)
and lastly:	"BB" (to leave programming mode).

Steps broken down key by key for example number 2:

Key	Status LED	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Flashing Green	Input Mode
4	Flashing Green	Input Mode
5	Yellow	Programming mode activated
B	Flashing Green	Input Mode
5	Flashing Green	Input Mode
2	Flashing Green	Input Mode
0	Green (2s) then Yellow	Activation of Relay Number 2 in permanent mode for the codes.
5	Flashing Green	Input Mode
2	Flashing Green	Input Mode
4	Flashing Green	Input Mode
6	Flashing Green	Input Mode
2	Flashing Green	Input Mode
B	Green (2s) then Yellow	Recording of the code in the memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode

Example Number 3:	Recording of the 3 digit codes "789" and "A0B" for a temporary validity of 5 uses of the relays 1 and 2. (See the configuration section to change the number of digits).
Type:	"123" (programming mode),
then:	"B5" (to select record B5),
then:	"35" (control relays 1 and 2 - temporary validity for 5 uses),
then:	"789" (enter the first opening code),
and:	"B" (to record the code in the memory),
then:	"A0B" (enter the second opening code),
then:	"B" (to record the second code in the memory),
and lastly:	"BB" (to leave programming mode).

Steps broken down key by key for example number 2:

Key	Status LED	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Yellow	Programming mode activated
B	Flashing Green	Input Mode
5	Flashing Green	Input Mode
3	Flashing Green	Input Mode
5	Green (2s) then Yellow	Activation of relays 1 and 2 in temporary mode for 5 uses.
7	Flashing Green	Input Mode
8	Flashing Green	Input Mode
9	Flashing Green	Input Mode
B	Green (2s) then Yellow	Recording of the code in the memory
A	Flashing Green	Input Mode
0	Flashing Green	Input Mode
B	Flashing Green	Input Mode
B	Green (2s) then Yellow	Recording of the code in the memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode



WARNING:

- It is not possible to program the opening codes starting with the key "B". If you try to carry out this operation, you may damage the configuration of the keypad.
- The master code (by default 123456) can not be used as an opening code. Therefore, depending on the number of digits set, the codes 123, 1234, 12345 and 123456 will be refused.

4.3. DELETING ONE OR SEVERAL CODES

All of the opening codes programmed into the SKB can be deleted individually, several at a time or all at once.

If the LED turns red during the operation, it means that it been refused. In this case, it is necessary to restart the operation.

Example Number 1:	Deletion of the 5 digit code "A15B1".
Type:	"12345" (programming mode),
then:	"A15B1" (enter the opening code to be deleted),
then:	"A" (to delete the code in the memory),
and lastly:	"BB" (to leave programming mode).

Example Number 2:	Deletion of the 3 digit codes "789" and "A0B" at the same time.
Type:	"123" (programming mode),
then:	"789" (enter the opening code to be deleted),
then:	"A" (to delete the code in the memory),
then:	"A0B" (enter the second opening code to be deleted),
then:	"A" (to delete the second code in the memory),
and lastly:	"BB" (to leave programming mode).

Steps broken down key by key for example number 2:

Key	Status LED	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Yellow	Programming mode activated
7	Flashing Green	Input Mode
8	Flashing Green	Input Mode
9	Flashing Green	Input Mode
A	Green (2s) then Yellow	Deletion of the code in the memory
A	Flashing Green	Input Mode
0	Flashing Green	Input Mode
B	Flashing Green	Input Mode
A	Green (2s) then Yellow	Deletion of the code in the memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode

Example Number 3:	Deletion of all of the opening codes. The following case corresponds to a keypad configured with a code length defined as 5 digits.
Type:	"12345" (programming mode),
then:	"B0A" (enter the code to delete all of the codes),
and lastly:	"BB" (to leave programming mode).

4.4. TIME DELAY - MODE OF OPERATION - BUZZER RELAY: CODE [B1] AND [B2]

To set the time delay for the relays 1 or 2, use the records B1 or B2 respectively. By default both relays are set with the value of 05 seconds. However, it is possible to set this value to anything between 1 and 99 seconds.

If you want to use the relay in a bistable manner, i.e. as a switch, you must set the value of the time delay to "00".

When the "Buzzer" setting is activated (value 1), it will trigger a sound sequence during the whole activation phase of the relay.

Setting	Value authorised	Description
Product of ten	[0] - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9	Value for the time delay of the relays.
Unit	0 - 1 - 2 - 3 - 4 - [5] - 6 - 7 - 8 - 9	Value for the time delay of the relays.
Buzzer	[0] - 1	Activation of the buzzer when the relay is triggered. 0 = Off / 1 = On

[]: Default value

For example:	Setting of the time delay of the relay number 1 to 3 seconds and control of the buzzer with a keypad configured to use 5 digits.
Type:	"12345" (programming mode)
then:	"B1" (to select record B1 corresponding to relay number 1)
then:	"031" (delay of 03 seconds with activation of the buzzer)
and lastly:	"BB" (to leave programming mode)

Steps broken down key by key in the example:

Key	Status LED	Description
1	Flashing Green	Input Mode
2	Flashing Green	Input Mode
3	Flashing Green	Input Mode
4	Flashing Green	Input Mode
5	Yellow	Programming mode activated
B	Flashing Green	Input Mode
1	Flashing Green	Input Mode
0	Flashing Green	Input Mode
3	Flashing Green	Input Mode
1	Green (2s) then Yellow	Recording of the settings in the memory
B	Flashing Green	Input Mode
B	Blue	Leave programming mode

For the relay number 2, use the same procedure with record B2.

5. USE

5.1. BASIC

To trigger the system connected to your keypad, simply type in the code that has previously been set. Depending on the configuration, this code may have a length of 3 to 6 digits.

When you do this, the pressing of a key results in the emission of a sound and the indicator turns green (input mode). When you enter the last digit of your code:

- If the code is correct, the SKB will trigger the associated relay and the fixed indicator will display the appropriate colour (green = relay

number 1, purple = relay number 2, white = relays 1 and 2). Depending on the configuration, the relay will have a time delay or be in bistable mode. Similarly, if the buzzer has been programmed, the time during which it sounds will be the same as that set for the relay.

- If the code is incorrect, the indicator will turn red.



After 3 incorrect codes have been entered, the keypad will be blocked for a period of 15 seconds during which it will not be possible to enter a new code. The indicator will show this by flashing red during the blocking period.

5.2. CLOCK



In systems equipped with control by means of a clock (see diagram), the key button is used to trigger the activation of the relay number one.

This is the default function of the SKB keypad associated with the clock input under factory settings.

When the clock input of the SKB is activated, the clock function is activated and indicated by a flashing blue light. In this case, it is not

necessary to enter an opening code to control relay number 1. Pressing the key button is enough to trigger the activation of the relay. However, in this mode is still possible to also trigger relay number 2 by entering the opening codes associated with it.

The SKB keypad has been improved from version V1.3 onwards with the addition of new functions connected to the clock input and use of the "Key" button. See section 6 for a description of the new functions.

5.3. ALARM

When the installation so envisages, it is possible for an alarm signal to be emitted via the associated output (see diagram). To use this feature, you must first enable and configure it.

To trigger the alarm, press the key associated with this control after entering an authorized code. In this case the alarm output will be activated for a period of one minute.

6. ADVANCED FUNCTIONS OF CLOCK INPUT AND "KEY" BUTTON

6.1. CODE DESCRIPTION [B81]

Setting	Value authorised	Description
"Clock Input"	0	This setting defines the "Clock input" function when the "physical" clock input is activated. - Value "0" : The SKB does not take account of the physical clock input. - Value "1" (factory setting): Pressing the "Key" button allows you to control relay N° 1. - Value "2" : the access codes will be active. PS: only the universal access code will remain independent of the status of the physical clock input (see section 6.2) - Value "3" : association with the "Bell" function explained below.
	[1]	
	2	
	3	
"Bell"	[0]	This setting defines the role of the "Key" button when the value of the "Clock Input" setting is equal to "3". - Value "0" : the bell function is inactive. - Value "1" : pressing the "Key" button allows you to control relay N° 2 (note that no code should be associated with relay N°2). - Value "2" : pressing the "Key" button allows you to control the open collector transistor (note that the "Alarm" and "Wiegand" functions must not be used). - Value "3" : same role as for value "1" but the physical clock input must be active. - Value "4" : same role as for value "2" but the physical clock input must be active.
	1	
	2	
	3	
	4	

[]: Default value

Example Number 1:	The access codes must only be active when the physical clock input is active with keypad configured with a code length defined as 5 digits.
Type	"12345" (programming mode)
then	"B81" (to select the record B81)
then	"20" (to select access codes and no bell function)
and lastly	"BB" (to leave programming mode)

Example Number 2:	When you press the "Key" button to control the relay N°2 whatever the status of the physical clock input with a code length defined as 5 digits.
Type	"12345" (programming mode)
then	"B81" (to select the record B81)
then	"31" (to select the associated function and select relay N°2)
and lastly	"BB" (to leave programming mode)

6.2. UNIVERSAL ACCESS CODE : CODE [B82]

When the validity of the access codes has been limited with the physical clock input, (see advanced functions in section 6.1), it may be useful to have a "universal access code" which can be entered in all cases. To do this you will need to programme a universal access code which must be 6 digits in length. This universal access code will not be deleted by carrying out a factory reset on the keypad.

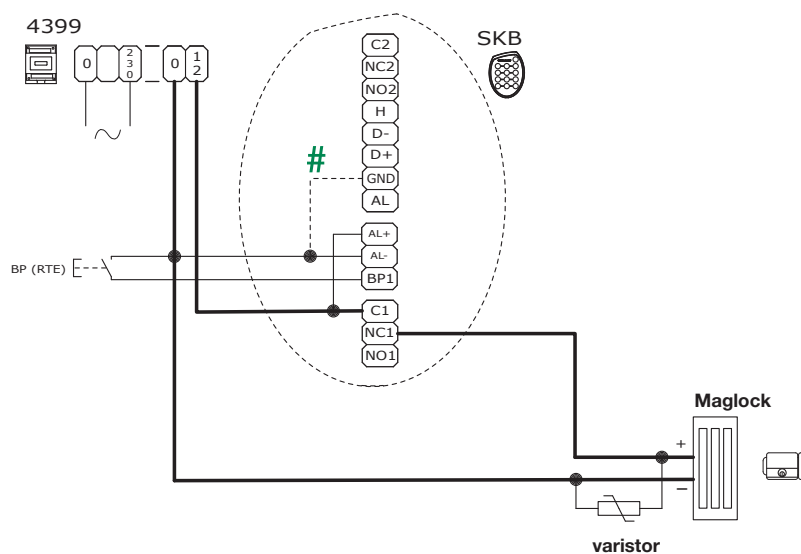
Example Number 1:	Creation of universal access code "235467" with default opening of the relay N°1 with keypad configured to 5 digits.
Type	"12345" (programming mode)
then	"B82" (to select the record B82)
then	"235467" (universal access code value)
and lastly	"BB" (to leave programming mode)

Example Number 2:	Deletion of universal access code with keypad configured to 5 digits.
Type	"12345" (programming mode)
then	"B82" (to select the record B82)
then	"A" (cancelation value)
and lastly	"BB" (to leave programming mode)

Example Number 3:	Programming of universal access code 256478 to open the relay N°2 with keypad configured to 5 digits.
Type	"12345" (programming mode)
then	"B5" (to select the record B5)
then	"20" (relay N°2 and permanent validity)
then	"B82" (to select the record B82)
then	"256478" (value of universal access code)
then	"B" (to save the code in the memory)
and lastly	"BB" (to leave programming mode)

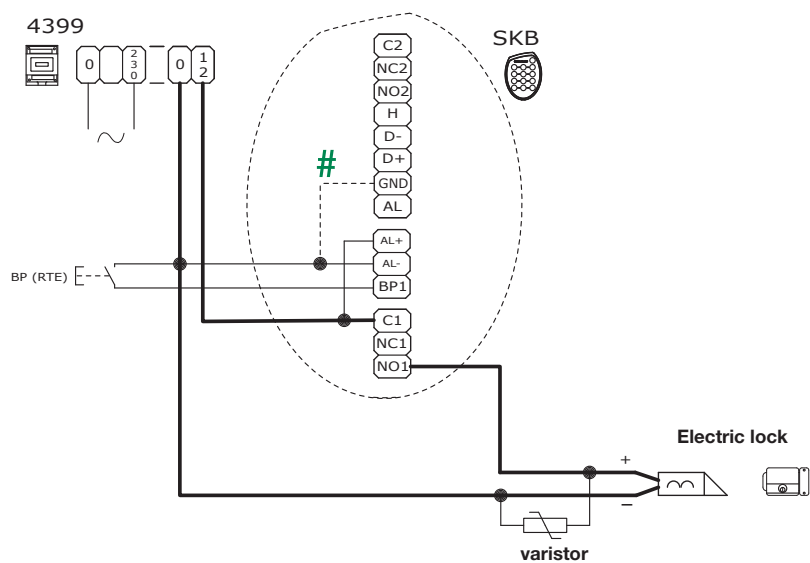
7. WIRING

7.1. WITH MAGLOCK



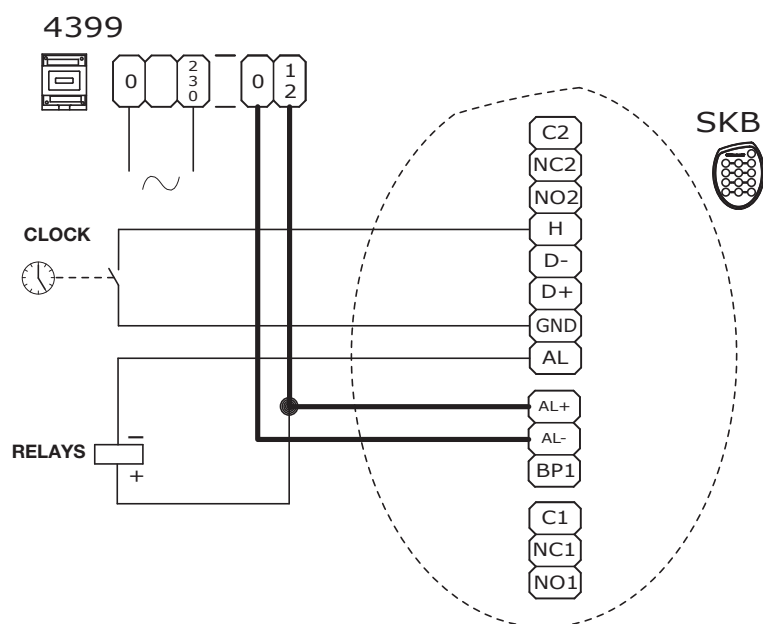
You can connect the RTE button contact to both the AL terminal and the GND terminal

7.2. WITH ELECTRIC LOCK



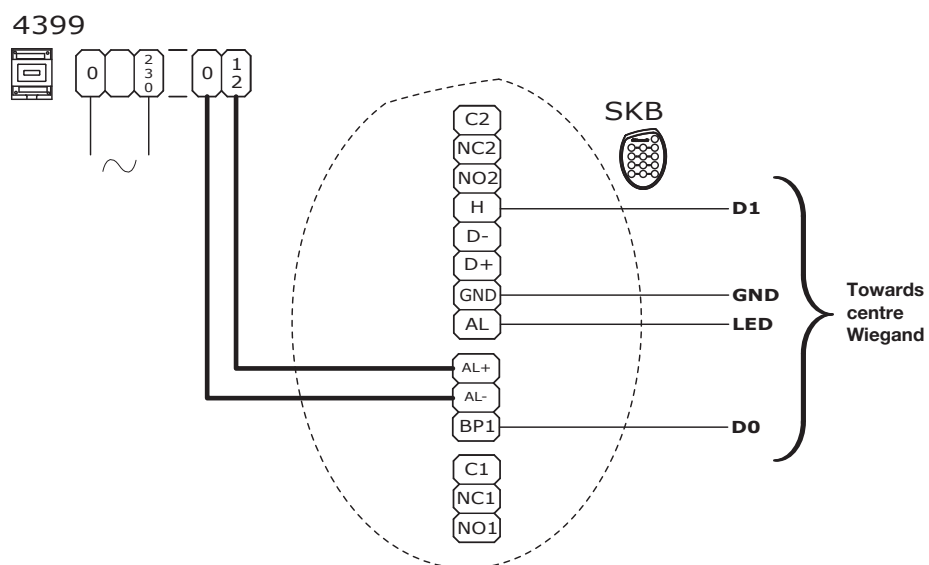
You can connect the RTE button contact to both the AL terminal and the GND terminal

7.3. WITH CLOCK AND ALARM

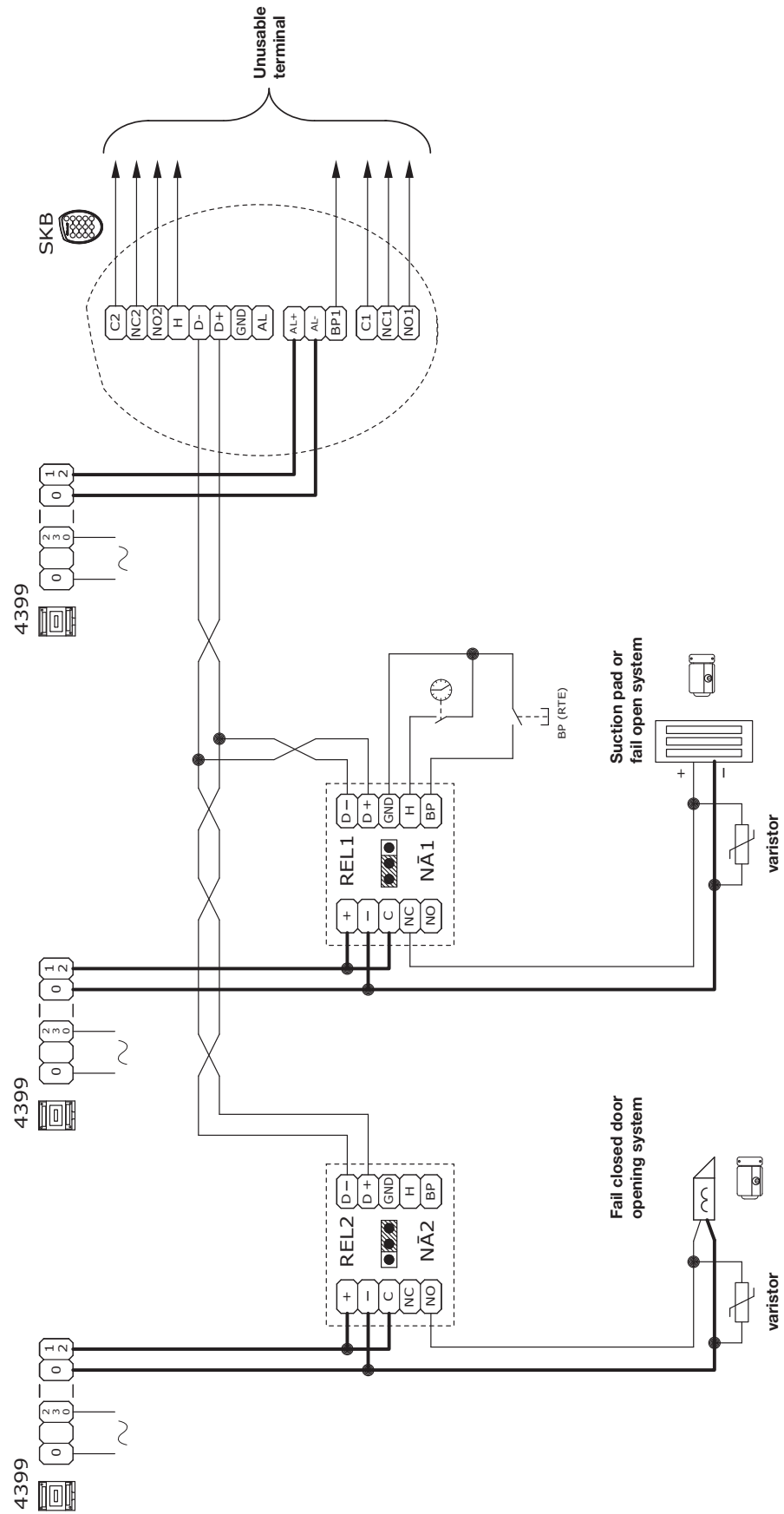


When the alarm is triggered, the output is active for 1 minute.

7.4. WIEGAND CONNECTION



Each time a button is pressed, its code will be emitted in 4 bits.



Maximum of two
relays
(Numbers 1 and 2)

CERTIFIED MANAGEMENT SYSTEMS



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