DINB100-SA   Standalone Biometric Reader

User Manual

# Contents

1.0 INTRODUCTION

DINB100-SA is a simple one-door standalone biometric system. The reader can store up to 97 finger templates, it has one relay output and one exit button input. If secure installation is needed, the reader can be connected to remote relay unit at secured area, which also plays the role of request-to-exit push button. Proximity reader or keypad can be added for additional entry mode (Card or/and Finger, PIN Code or/and Finger, Finger on Card). Complete setup and programming can be done by scrolling and tapping on the sensor or by keypad menu if keypad is connected.

The sensor incorporates dedicated sensing hardware to facilitate the detection of "spoofing" attacks based on fake fingers. This data is embedded into the image data stream, and is processed on the processor. The system is capable of detecting and defeating well-known fake finger mechanisms, such as molded "gummy" fingers.

The coating on the surface of the TouchChip sensor provides protection from scratching and abrasion due to normal contact with fingertips and any incidental contact with fingernails.

The reader is capable of working in so called "Finger on Card" mode, where the authentication is done by verifying that the biometric data stored on the card matches the finger being placed on the reader.

2.0 MOUNTING AND DISMOUNTING
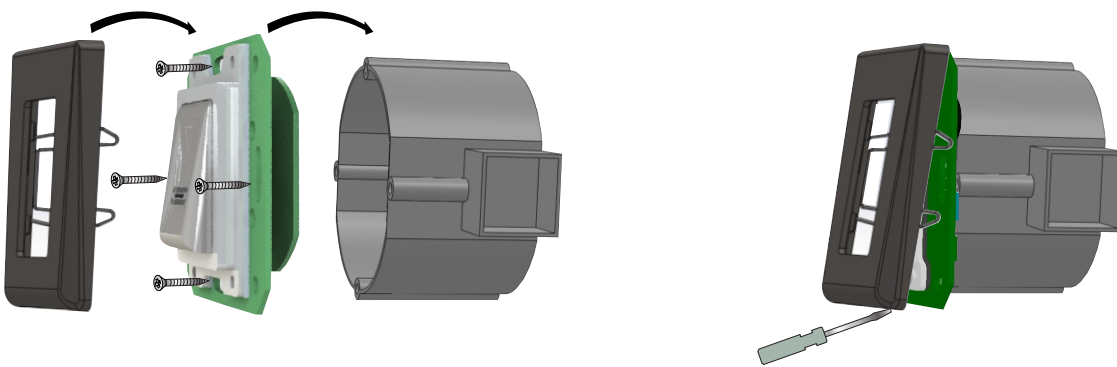
Do not install the device and cabling close to a source of strong electro-magnetic fields like radio-transmitting antenna.
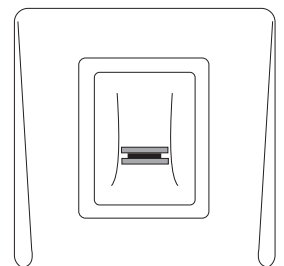Do not place the device near or above heating equipments.
If cleaning, do not spray or splash water or other cleaning liquids but wipe it out with smooth cloth or towel.
Do not let children touch the device without supervision.
Note that if the sensor is cleaned by detergent, benzene or thinner, the surface will be damaged and the fingerprint can't be entered.

3.0 SPECIFICATIONS

|	
Fingerprint Capacity:	97 templates
Output:	1 x Relay (2A/24V AC/DC)
Push Button Input:	Yes
Door Open Time:	Pulse (1, 3, 5, 10, 20, 30, 60sec) or Toggle(ON/OFF)
Entry Mode:	Finger (Basic installation)
	Finger or/and Card (when used with card reader DIN Card reader)
	Finger or/and PIN code (when used with keypad DINPAD-M)
	Finger on Card (when used with mifare reader DINMTPX-MF)
Programming:	By scrolling and tapping on the sensor or by keypad
Master/Admin Fingers:	1 Master and 2 Admin Fingers
Image resolution:	Up to 508 DPI
Backlight ON/OFF:	Yes
Buzzer ON/OFF:	Yes
Firmware upgrade:	via RS485 converter and windows application
Current Consumption:	100 mA max.
Power Supply:	9-14 V DC
Indication:	Tricolor Status LED and 4 x Programming LEDs
Mounting:	Flush mount
IP Factor:	IP40
Storage/Operating Temperature:	-20°C to +50°C
Storage/Operating Humidity:	5% to 93% RH without condensation
Dimensions(mm):	80 x 80 x 9

DINB100-SA

4.0 APPLICATION DIAGRAM

DINRTT (Optional)
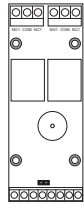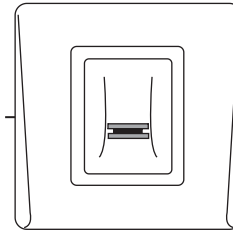2 Relay Remote Unit
and request-to-exit Button

RU2 (Optional)
2 Relay Remote Unit
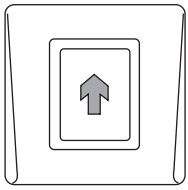
Optional
Keypad

OR
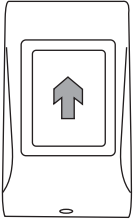
RTT (Optional)
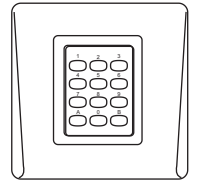1 Relay Remote Unit
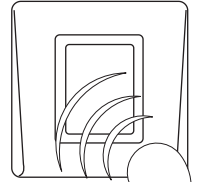and request-to-exit Button

RS485 (max. 50m)

Secured Area

Outside

DINB100-SA
Standalone Biometric Reader

use the cable provided
with the keypad/reader

OR

Optional
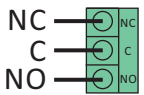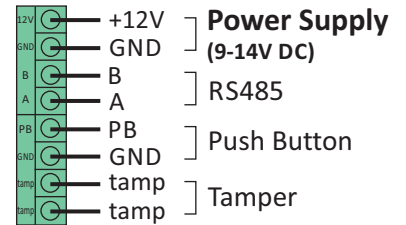Proximity Reader
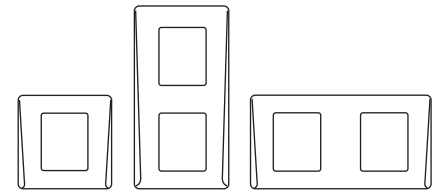
Note: Frame sold separately

5.0 WIRING

Relay Output

NC
C
NO

Jumper (Adding Master Finger)

Connection to additional
card reader or keypad

DINB100-SA

Electric Door Strike
(DC powered)

1N4007

C
NO

+12V
GND } **Power Supply**
(9-14V DC)

B
A } RS485

PB
GND } Push Button

tamp
tamp } Tamper

12V
GND

PB
GND(PB)

tamp
tamp

Exit Button (NO)

Alarm

12 VDC
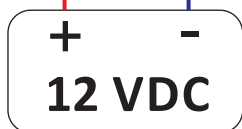
6.0 RECOMMENDED SWIPING TECHNIQUE
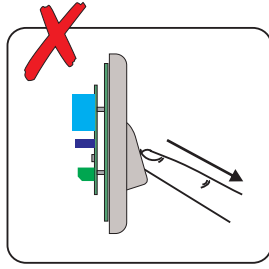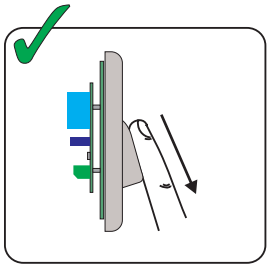
Follow the below instructions for correct finger swiping
Starting from the first finger joint, place the selected finger on the swipe sensor and move it evenly towards oneself in one steady movement.

Result:
For a valid swipe: Tricolour Status LED turns green + OK Beep(short + long beep)
For an invalid or misread swipe: Tricolour Status LED turns red + Error Beep (3 short beeps)

6.1 Taping the sensor

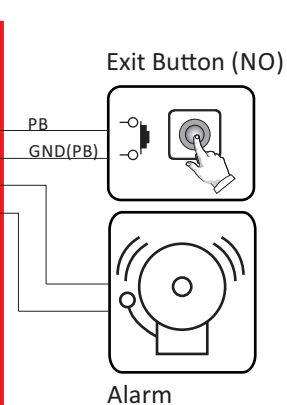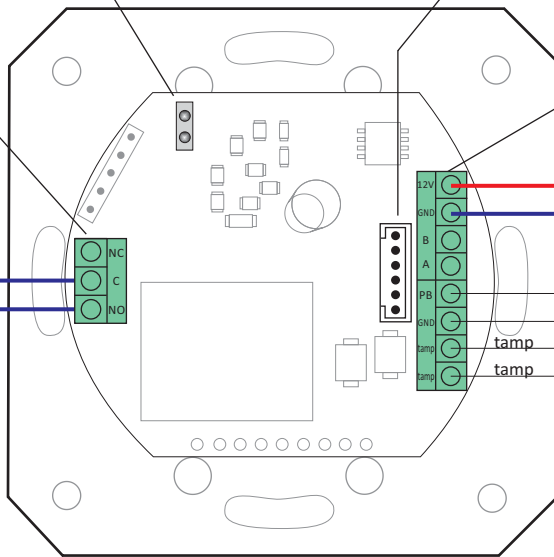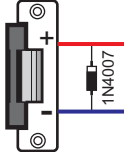Tap the sensor to enter Submenu or to confirm a command
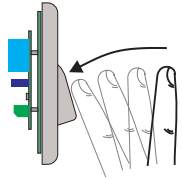
Enter and confirm

6.2 Scrolling the sensor up and down

Scroll the sensor DOWN to navigate the programming menu
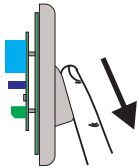
Navigate the Programming Menu

Scroll the sensor UP to exit the programming menu
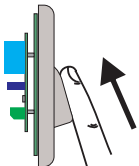
Exit the Programming Menu

7.0 INDICATION
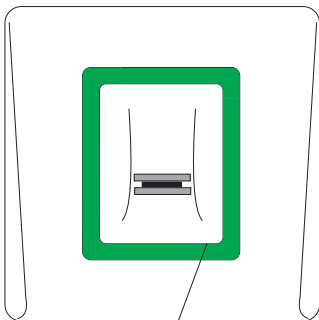
Tricolor Status LED
Green - Access Granted
Red - Access denied
Orange - Idle Mode
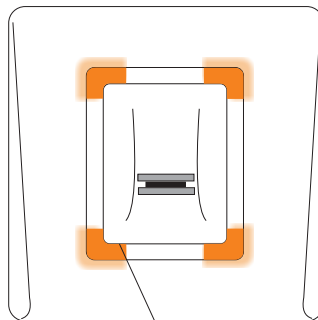
4 x Tricolor Programming LEDs
(red, green, orange)

OK Beep   - short + long beep
Error Beep - 3 short beeps
Swipe Again - 2 short beeps

8.0 QUICK PROGRAMMING

8.1 Adding Master Finger and delete all users

1. Close the jumper on the back of the device.

2. Reset the Power of the device.

3. Wait for One long + multiple short beeps

4. Open the jumper. (short beeps will stop)

5. Wait for the bottom row LEDs to blink in Orange.

Blinking>   <Blinking
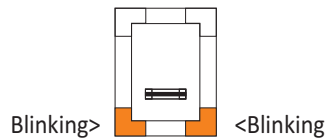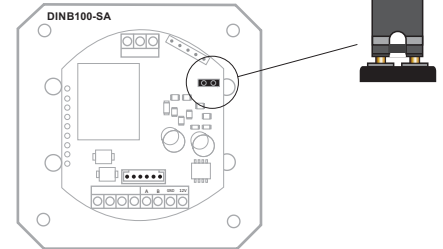
6. Swipe the Master finger **min.6 times**. (Until Ok Beep)   x 6

Note: After enrolling the Master finger the device will auto-Reset (wait for 7 seconds and the OK beep).
Note: This procedure also deletes all the users and administrators previously enrolled.

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1. There is 1 Master Finger. The master finger can enroll/delete user and all the other settings. The Master finger can be changed ONLY with the jumper.

2. There are 2 Administrator Fingers. The administrator can do all the things that Master can do. The Master can delete the Administrator, but the Administrator can not delete the Master.

3. The User can be assigned to one of the 8 available User Groups. With the Quick programming feature, the Users are assigned in Group 1 or Group 2. For most of the installations 2 groups are enough and can be used as: Group 1 for permanent residents, Group 2 for guest and visitors.

4. The user can be deleted by swiping its user finger or by deleting the group in which that user is enrolled. Once the Group of users is deleted, all the users within that group will be deleted.

5. The Groups are not limited by the number of users. (ex. Group 1 can contain 20 users, Group 2 can contain 70 users, but the total number must remain bellow 97...)

8.2 Add User In Group 1

Figure.1
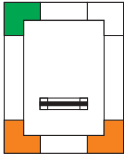
1. Swipe the Master or Admin Finger
2. Swipe the user finger min. **6 times** (until Ok Beep)
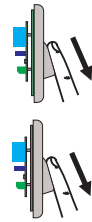
Master Finger x 1

User Finger x 6

8.3 Add User In Group 2

Figure.2

1. Swipe the Master or Admin Finger **twice**
2. Swipe the user finger min. **6 times** (until Ok Beep)

Master Finger x 2

User Finger x 6

8.4 Delete User

Figure.1

1. Swipe the Master or Admin Finger
2. Swipe the user finger (already enrolled)
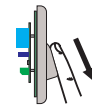
Master Finger x 1
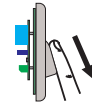
User Finger x 1

8.5 Delete All Users in Group 1
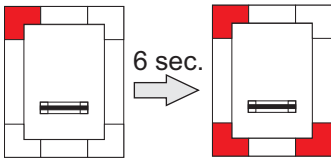
6 sec.

Figure.4

1. Swipe the Master or Admin finger **3 times**,
2. Wait **6 seconds** for the light pattern on figure.4
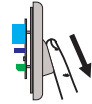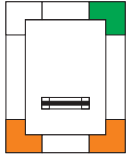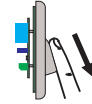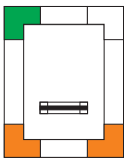3. Swipe the Master or Admin finger **once more**

Note: All fingers that are enrolled in Group 1 will be deleted.
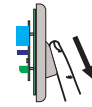
Master Finger x 3

wait 6 seconds
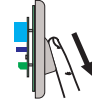
Master Finger x 1

8.6 Delete All Users in Group 2
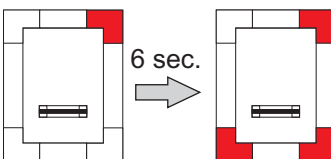
6 sec.

Figure.6

1. Swipe the Master or Admin finger **4 times**,
2. Wait **6 seconds** for the light pattern on figure.6
3. Swipe the Master or Admin finger **once more**

Note: All fingers that are enrolled in Group 2 will be deleted.
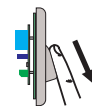
Master Finger x 4

wait 6 seconds
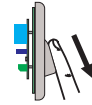
Master Finger x 1

If you make any mistake or you just simply want to **exit** Quick Programming, wait for the timeout of **10 seconds**.

With this, the quick programming is completed. The system is now operational with default value for Door Open Time of **3 seconds.**

For more comprehensive programming, refer to the "**DINB100-SA Programming**" section.

Important:
*When using proximity reader for **Finger Or/And Card** Mode, first present the Card then swipe the finger min. **6 times**.*
*When using keypad for **Finger Or/And Pin Code** mode first enter the PIN Code, then swipe the finger min. **6 times**.*
*When using Mifare card reader for **Finger On Card** Mode first swipe the finger min. **6 times**, then present a Card.*

*For Fast Deleting a user in **Finger On Card** mode swipe the Master or Admin finger then present an existing user card*

9.0 PAIRING - BIOMETRIC READER AND REMOTE RELAY UNIT

If secure installation is needed, the reader can be connected to remote relay unit at secured area, which also plays the role of request-to-exit push button. Follow the instructions bellow to pair(couple) both devices or refer to the Remote Relay's Manual.

9.1 Pairing DINB100-SA with DINRTT
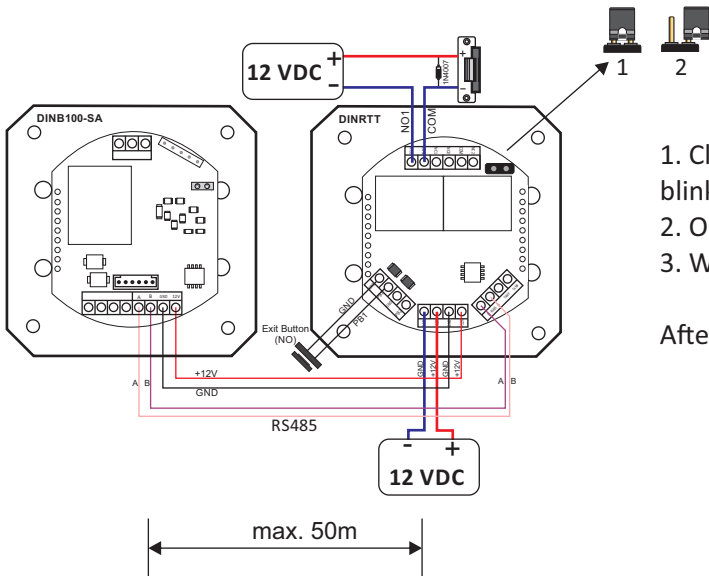
1. Close the Jumper. DINRTT beeps continuously and the red led blinks.
2. Open the Jumper
3. Wait for Beep + OK Beep (short + short + long beep)

After the OK beep, the coupling is done.

9.2 Pairing DINB100-SA with RTT
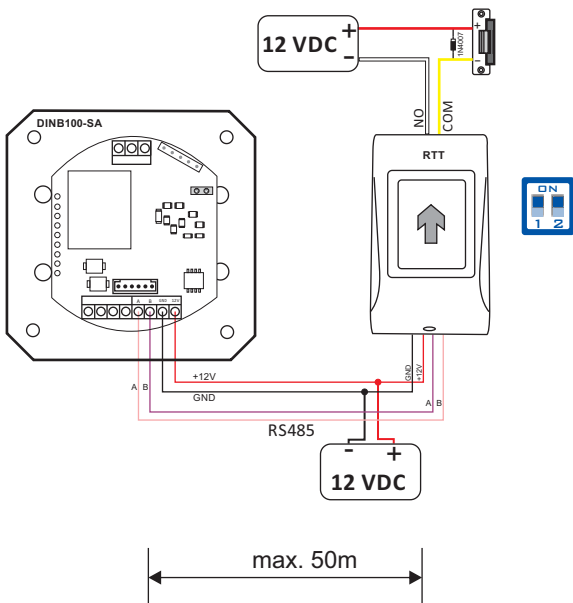
1. Put Dipswitch No.1 to position ON. RTT beeps continuously and the red led blinks.
2. Put Dipswitch No.1 to position OFF.
3. Wait for Beep + OK Beep (short + short + long beep)

After the OK beep, the coupling is done.

10.0 KEEP THE DOOR UNLOCKED

Swipe ANY enrolled finger twice (within 7 seconds) and the Door will stay unlocked, until valid finger
is swiped.
While the door is unlocked the tricolor status LED stays green.

To use this feature, enable the same from the menu.(page 15). It applies for product version 1.0.2.0.0 and above.
Note: *Make sure that the door lock can withstand activation in longer periods.*

User Finger x 2

11.0 DINB100-SA PROGRAMMING MENU

11.1 Adding Users

Swipe the Master/Admin finger **5 times** until the light pattern on figure.9 is shown

Figure.9   BL   x 5

Tap sensor

BL

Select User Group

Swipe the finger to select:

BL **Group 1**   BL **Group 5**

BL **Group 2**   BL **Group 6**

BL **Group 3**   BL **Group 7**

BL **Group 4**   BL **Group 8**

Tap sensor

Assign Relay Output

Swipe the finger to select:

BL **Relay 1**   BL **Both**

BL **Relay 2**   BL **None**

NOTE:
Swipe UPWARDS
to exit the MENU

Tap sensor

(Orange Blinking)

Swipe the user finger for **Finger** mode **min.6 times.**

When using proximity reader for **Finger Or/and Card** Mode, first present the Card then swipe the finger min. **6 times**.
When using keypad for **Finger Or/And Pin Code** mode first enter the PIN Code, then swipe the finger min. **6 times**.

Example:
Task: Add a user in Group2, that will activate Relay1.

Scroll Master Finger 5 times, tap, scroll ones, tap, tap, swipe user finger 6 times, swipe UP to exit.

11.0 DINB100-SA PROGRAMMING MENU

11.2 Delete User

Swipe the Master/Admin finger **7 times**
until the light pattern on figure.12 is shown

Figure.12   x 7

Tap sensor

Blinking row >

Swipe finger
or present Card
or enter PIN

NOTE:
Swipe UPWARDS
to exit the MENU
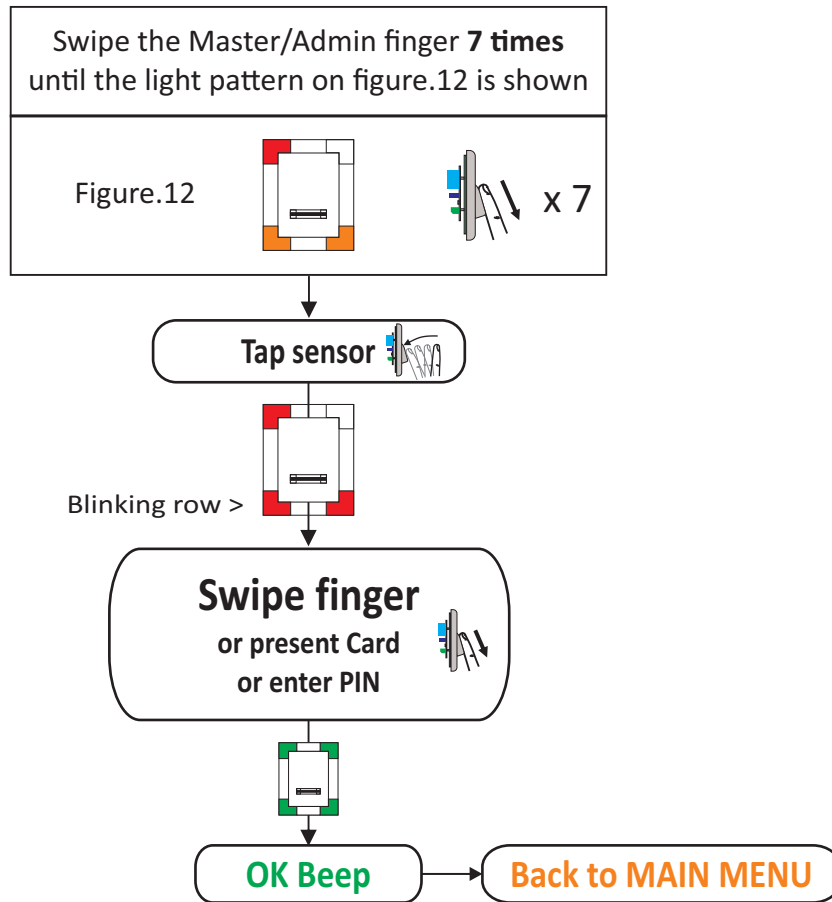
OK Beep → **Back to MAIN MENU**

11.3 Delete All Users

Swipe the Master/Admin finger **11 times** until
the light pattern on figure.14 is shown

Figure.14   x 11

Tap sensor

Blinking row >

Tap sensor
to confirm or swipe UP
to Cancel

deleting...
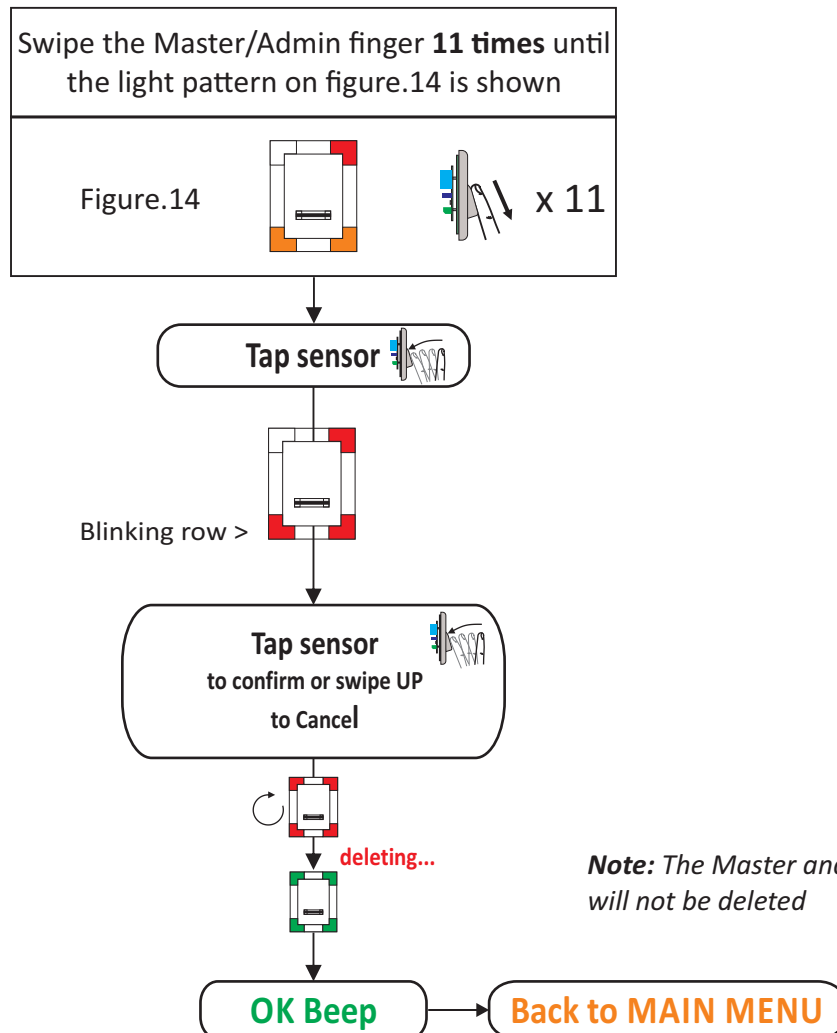
*Note: The Master and the Administrators
will not be deleted*

NOTE:
Swipe UPWARDS
to exit the MENU

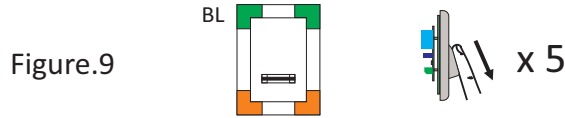**OK Beep** → **Back to MAIN MENU**

11.0 DINB100-SA PROGRAMMING MENU

11.4 Delete Group of Users

Swipe the Master/Admin finger **6 times** until the light pattern on figure.13 is shown
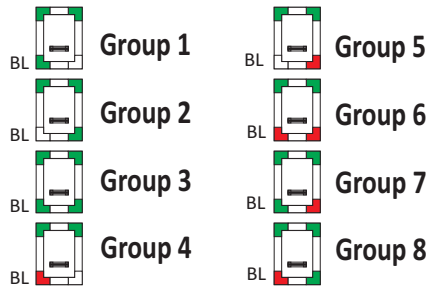
Figure.13   x 6

Tap sensor

Select User Group to Delete

Swipe the finger to select:

BL	**Group 1**	BL	**Group 5**
BL	**Group 2**	BL	**Group 6**
BL	**Group 3**	BL	**Group 7**
BL	**Group 4**	BL	**Group 8**

Tap sensor

OK Beep

Back to MAIN MENU
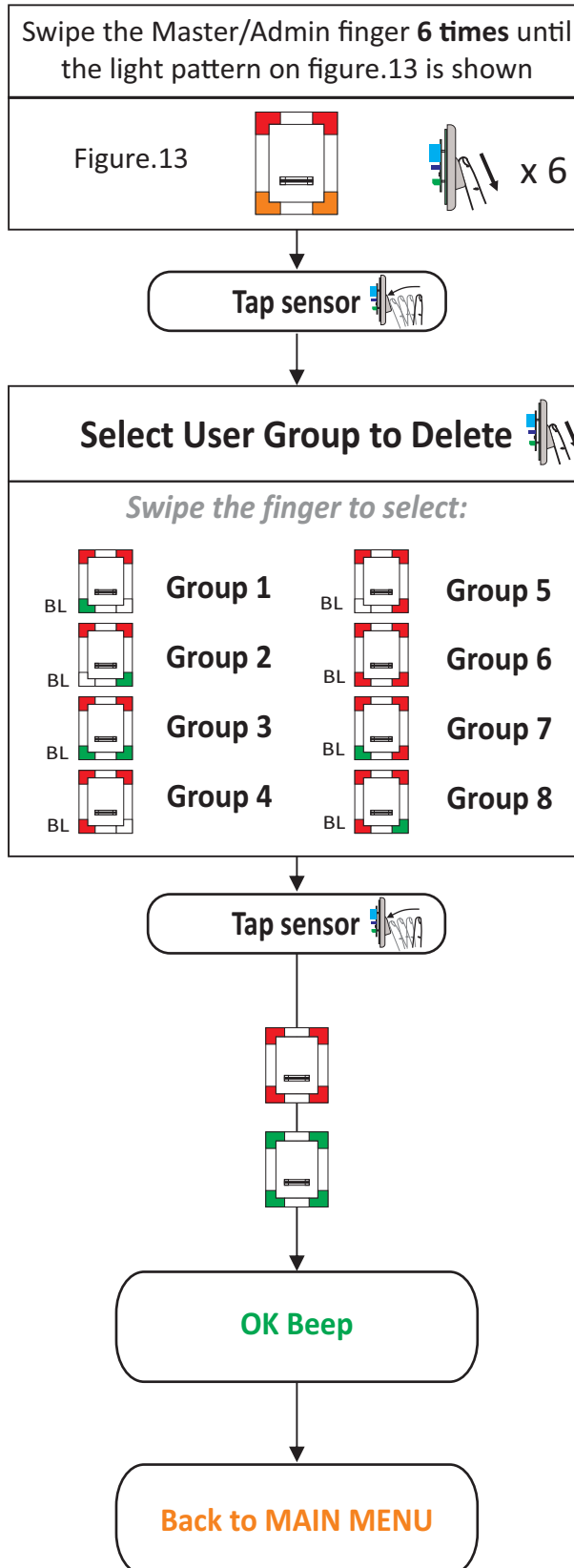
> NOTE:
> Swipe UPWARDS
> to exit the MENU

Note: All fingers that are enrolled in the Group will be deleted.

Example:
Task: Delete all users in Group3

Scroll Master Finger 6 times, tap, scroll twice, tap, swipe UP to exit.

11.0 DINB100-SA PROGRAMMING MENU

11.5 Add Administrator

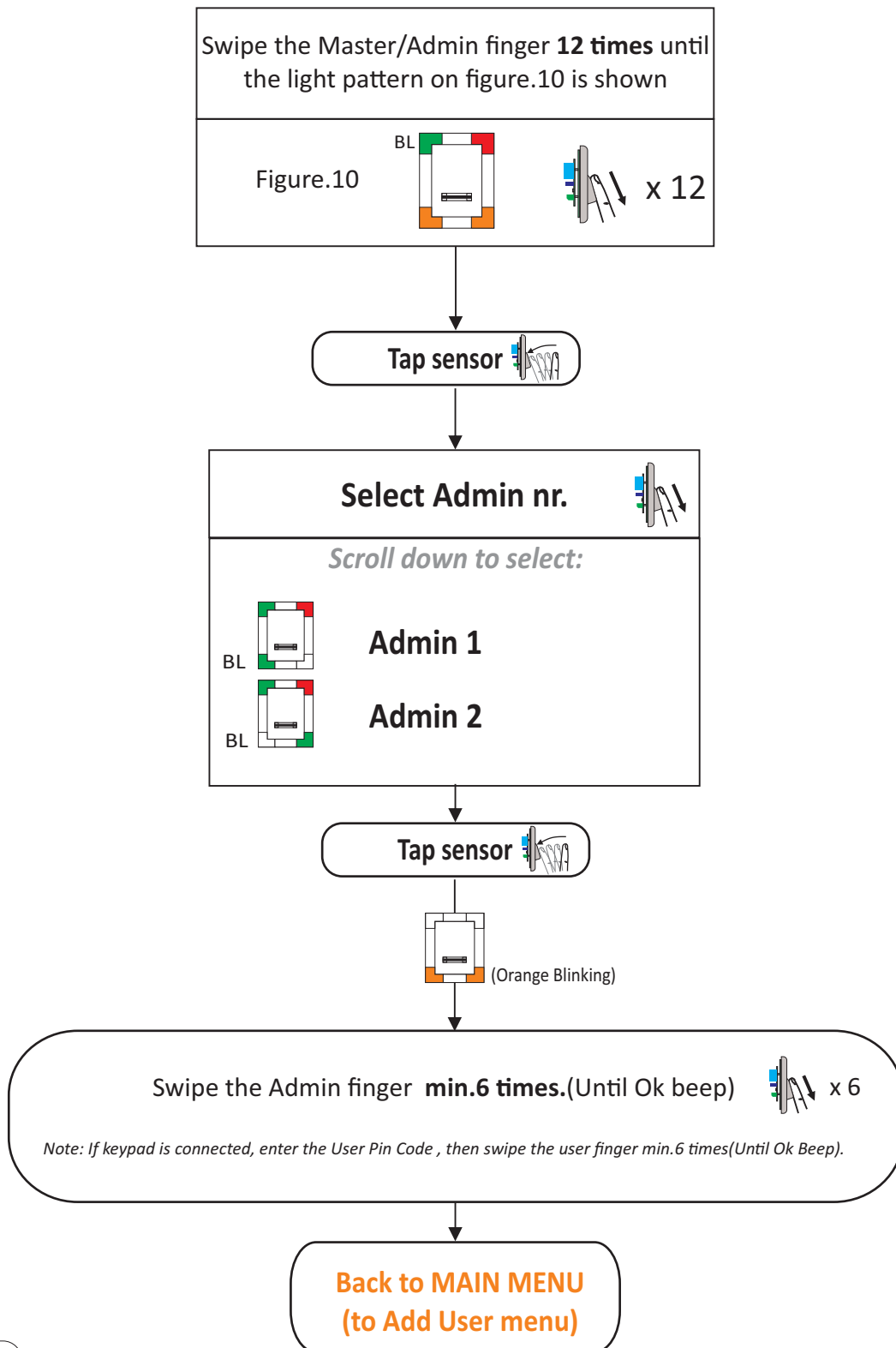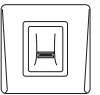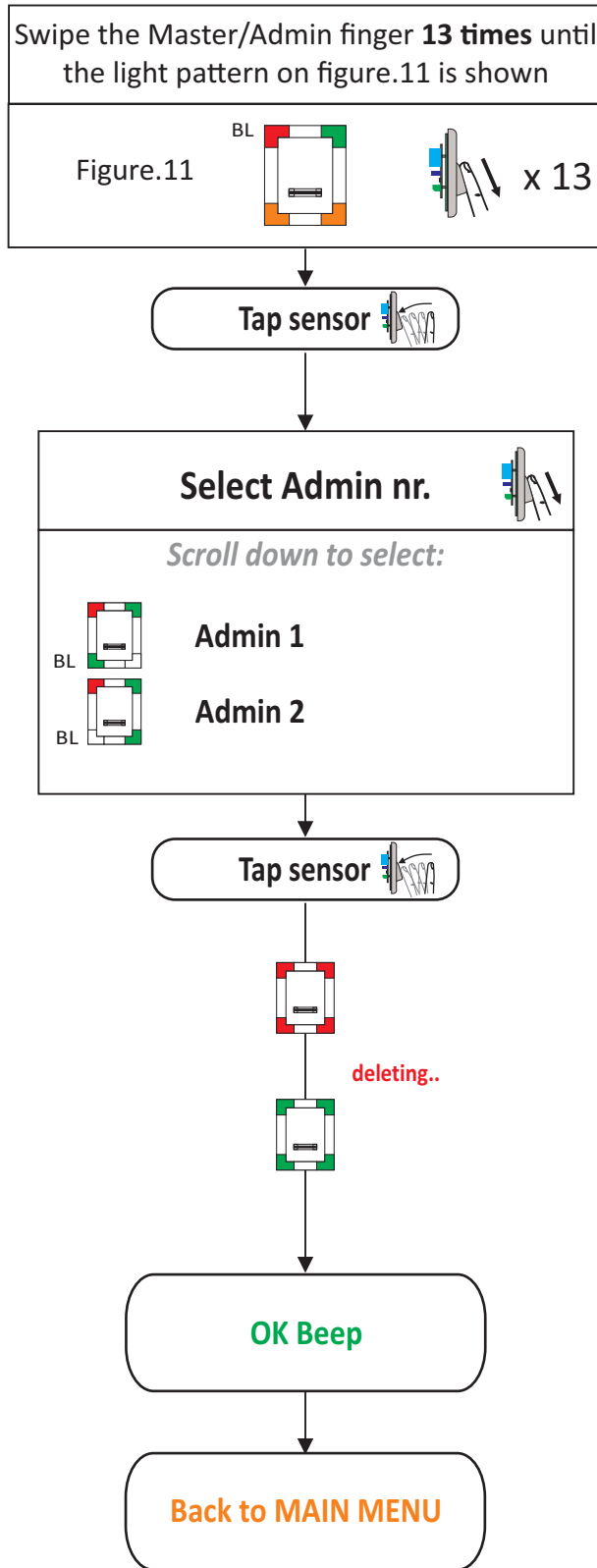Swipe the Master/Admin finger **12 times** until the light pattern on figure.10 is shown

BL
Figure.10   x 12

Tap sensor

Select Admin nr.

Scroll down to select:

BL   **Admin 1**

BL   **Admin 2**

Tap sensor

(Orange Blinking)

Swipe the Admin finger **min.6 times.**(Until Ok beep)   x 6

Note: If keypad is connected, enter the User Pin Code , then swipe the user finger min.6 times(Until Ok Beep).

Back to MAIN MENU
(to Add User menu)

NOTE:
*Swipe UPWARDS
to exit the MENU*

- There is 1 Master Finger. The master finger can enroll/delete user and all the other settings.
- The Master finger can be changed ONLY with the jumper.
- There are 2 Aministrator Fingers. The administrator can do all the things that Master can do. The Master can delete the Administrator, but the Administrator can not delete the Master.

11.6 Delete Administrator

Swipe the Master/Admin finger **13 times** until the light pattern on figure.11 is shown

Figure.11   BL   x 13

Tap sensor

Select Admin nr.

Scroll down to select:

BL   **Admin 1**

BL   **Admin 2**

Tap sensor

deleting..

OK Beep

Back to MAIN MENU

NOTE:
Swipe UPWARDS
to exit the MENU

- There is 1 Master Finger. The master finger can enroll/delete user and all the other settings.
- The Master finger can be changed ONLY with the jumper.
- There are 2 Aministrator Fingers. The administrator can do all the things that Master can do. The Master can delete the Administrator, but the Administrator can not delete the Master.
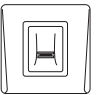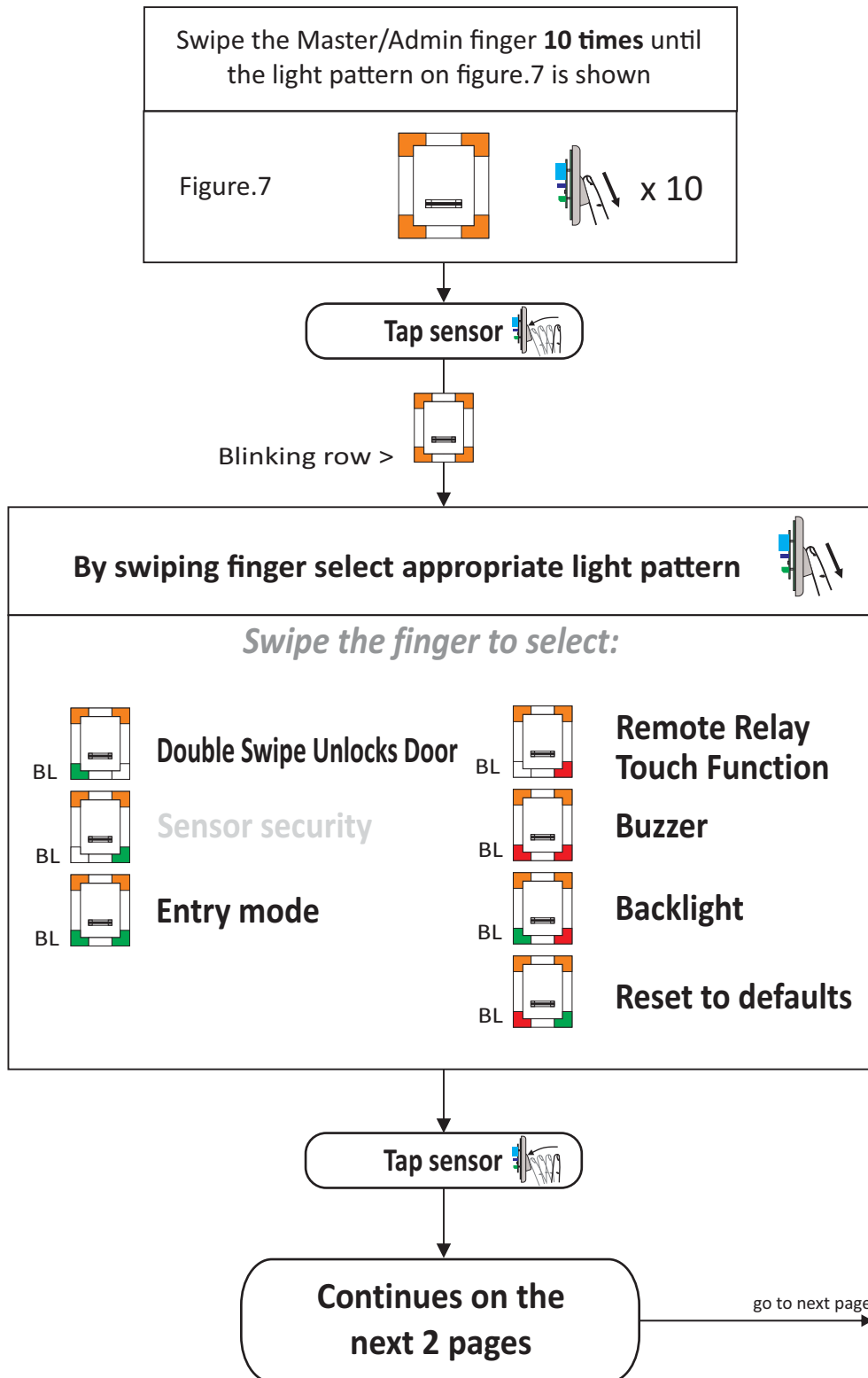
11.0 DINB100-SA PROGRAMMING MENU

11.7 Settings

Swipe the Master/Admin finger **10 times** until the light pattern on figure.7 is shown
Figure.7   x 10

Tap sensor

Blinking row >

By swiping finger select appropriate light pattern
Swipe the finger to select:

BL   **Double Swipe Unlocks Door**   BL   **Remote Relay Touch Function**

BL   Sensor security   BL   **Buzzer**

BL   **Entry mode**   BL   **Backlight**

BL   **Reset to defaults**

Tap sensor

Continues on the next 2 pages

NOTE:
Swipe UPWARDS
to exit the MENU

Entry Mode - *used when additional proximity or keypad reader is connected*
Remote Relay Touch Function - *Enabling/Disabling the Touch Button Function in the remote relay Unit*
Buzzer - *Enabling/Disabling the Buzzer*
Backlight - *Enabling/Disabling the Backlight*
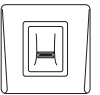
11.7 Settings
11.7.1 Double Swipe Unlocks Door, Entry Mode, Remote Relay Touch Function

| Double Swipe Unlocks Door	Entry MODE	Remote Relay Touch Function

Double Swipe Unlocks Door

Scroll down to select:

BL 1 ON

BL 2 OFF

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↓

Tap sensor

↓

OK Beep

↓

Back to MAIN MENU

By swiping finger select entry mode

Scroll down to select:

BL Finger   BL Finger AND Card

BL Finger OR PIN   BL Finger ON Card

BL Finger AND PIN

BL Finger OR Card

↓

Tap sensor

↓

OK Beep

↓

Back to MAIN MENU

Touch Button ON/OFF

Scroll down to select:

BL 1 ON

BL 2 OFF

↓

Tap sensor

↓

OK Beep

↓

Back to MAIN MENU

Note:
Refer to Chapter 10 for this feature

NOTE:
Swipe UPWARDS
to exit the MENU

Example:
Task: Set the Reader to work in "Finger and Card" mode

Scroll Master Finger 10 times, tap, scroll twice, tap, scroll 4 times, tap, swipe UP to exit.

11.0 DINB100-SA PROGRAMMING MENU

11.7 Settings

11.7.2 Buzzer Sound, Backlight, Reset to defaults

Buzzer sound	Backlight	Reset to defaults

Buzzer ON/OFF

Scroll down to select:

- Remote OFF
- Reader OFF
- All ON
- All OFF

Tap sensor

OK Beep

Back to MAIN MENU

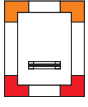**Backlight ON/OFF**

Scroll down to select:

- Remote OFF
- Reader OFF
- All ON
- All OFF

Tap sensor

OK Beep

Back to MAIN MENU

Reset to defaults

Tap to confirm:

BL

product ver. 1.0.2.0.0

Tap sensor

OK Beep

Back to MAIN MENU
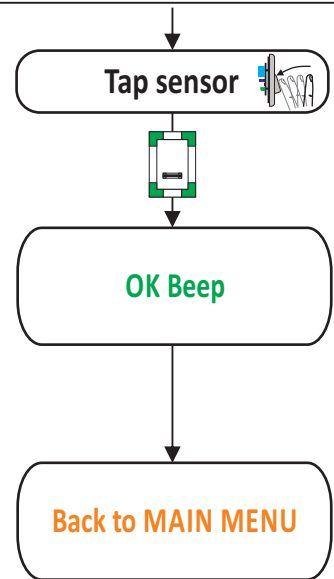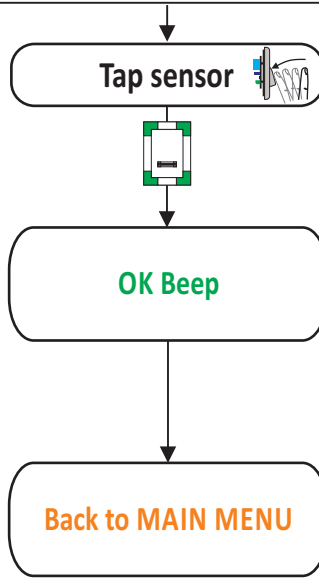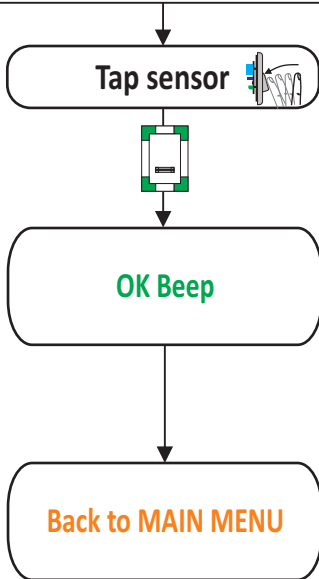
Note:
Does not affect the fingerprints
stored and the pairing

NOTE:
Swipe UPWARDS
to exit the MENU

Example:
Task: Put the Buzzer OFF.

Scroll Master Finger 10 times, tap, scroll 4 times, tap, scroll ones, tap,, swipe UP to exit.
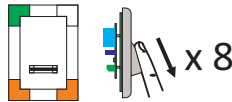
Relay1 time

(for Relay 1 in DINB100-SA, RTT and DINRTT)

Swipe the Master/Admin finger **8 times** x 8

↓

Tap sensor

Blinking row >

↓

Select relay open time

Scroll down to select:

BL	1 sec	BL	20 sec
BL	3 sec	BL	30 sec
BL	5 sec	BL	60 sec
BL	10 sec	BL	Toggle

↓

Tap sensor

↓

OK Beep

↓

Back to MAIN MENU

Relay2 time

(for Relay 2 in DINRTT Remote Relay Unit)

Swipe the Master/Admin finger **9 times** x 9

↓

Tap sensor

Blinking row >

↓

Select relay open time

Scroll down to select:

BL	1 sec	BL	20 sec
BL	3 sec	BL	30 sec
BL	5 sec	BL	60 sec
BL	10 sec	BL	Toggle

↓

Tap sensor

↓

OK Beep

↓

Back to MAIN MENU

NOTE:
Swipe UPWARDS to exit the MENU

Example:
Task: Put Relay1 to stay activated 10 seconds.

Scroll Master Finger 8 times, tap, scroll 3 times, tap,, swipe UP to exit.

11.0 DINB100-SA PROGRAMMING MENU

11.9 Adding Users In Finger On Card Mode *(when Mifare Reader is connected)*

Swipe the Master/Admin finger **5 times** until the light pattern on figure.9 is shown

Figure.9 — BL — x 5

Tap sensor

BL

Select User Group

Swipe the finger to select:

BL **Group 1**	BL **Group 3**	BL **Group 5**	BL **Group 7**
BL **Group 2**	BL **Group 4**	BL **Group 6**	BL **Group 8**

Tap sensor

Assign Relay Output

Swipe the finger to select:

BL **Relay 1**	BL **Both**
BL **Relay 2**	BL **None**

Tap sensor

(Orange Blinking)

NOTE:
Swipe UPWARDS to exit the MENU

Swipe the user finger **min.6 times** (Until Ok beep).
The backlight starts to blink green and the buzzer beeps.
Present the Card and hold it in the proximity field until OK beep, which is indication that the finger enrolled is written in the card.

x 6

In "Finger on Card" mode, the fingerprint is stored only into the Mifare card (Mifare Classic 1K/4K or DesFire) and not in the reader. The matching is done by first presenting the card, then swiping the finger. According to this, the system in "finger on Card" mode does not have capacity limit. Furthermore, the fingerprint is not stored in the reader's memory, which disables any misuse of the stored fingerprint templates

Example:
Task: Add a user in Group2, that will activate Relay1.

Scroll Master Finger 5 times, tap, scroll ones, tap, tap, swipe user finger 6 times, present the card, swipe UP to exit.

12.0 PROGRAMING DINB100-SA WITH KEYPAD
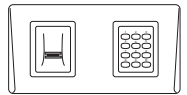
12.1 Adding Users

Important:

To use the keypad for programming, <u>Master Finger</u> must be enrolled. Please refer to **page 6**, to enroll Master finger. Then, set the Entry Mode to "<u>Finger or PIN</u>". Please refer to **page 14 & 15** to set the reader in "<u>Finger or PIN</u>"mode. In addition to that, **set the keypad** to work with the biometric reader:

Press **B+000000**	Press **B+000000**
Press **0**	Press **4**
Press **2** - slave mode	Press **0** - Any PIN Code length with "A" in the end
Press **A**	Press **A**

Swipe Master/Admin finger or enter Admin PIN. The Biometric reader starts to blink.

ADMIN PIN or ✍ x 5

1.	Press 1	
2.	Enter user location number 01 to 97	
3.	Assign relay. Press 1 for Relay1 or 2 for Relay2	Optional
4.	Assign user group 1 to 8.(Press 1 for group 1...)	
5.	Press A to confirm	

Note:
The user is automatically assigned to Relay1 and group1

6.	Enter user PIN code. (1 to 8 digits)	Optional
7.	Press A to confirm	

Swipe the User finger **min.6 times**.(Until Ok Beep) ✍ x 6

To Enroll again go to step 1.

To Exit press 0, A

Example:
Task: Add a user no.5, with PIN Code: 12345, that will activate Relay1.

Scroll Master Finger 5 times, press 1, press 05, press A, press 12345, press A, Swipe Finger 6 times, press 0,A to exit

12.0 PROGRAMING DINB100-SA WITH KEYPAD
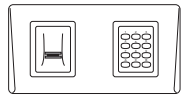
12.2 Delete User By User Location Number
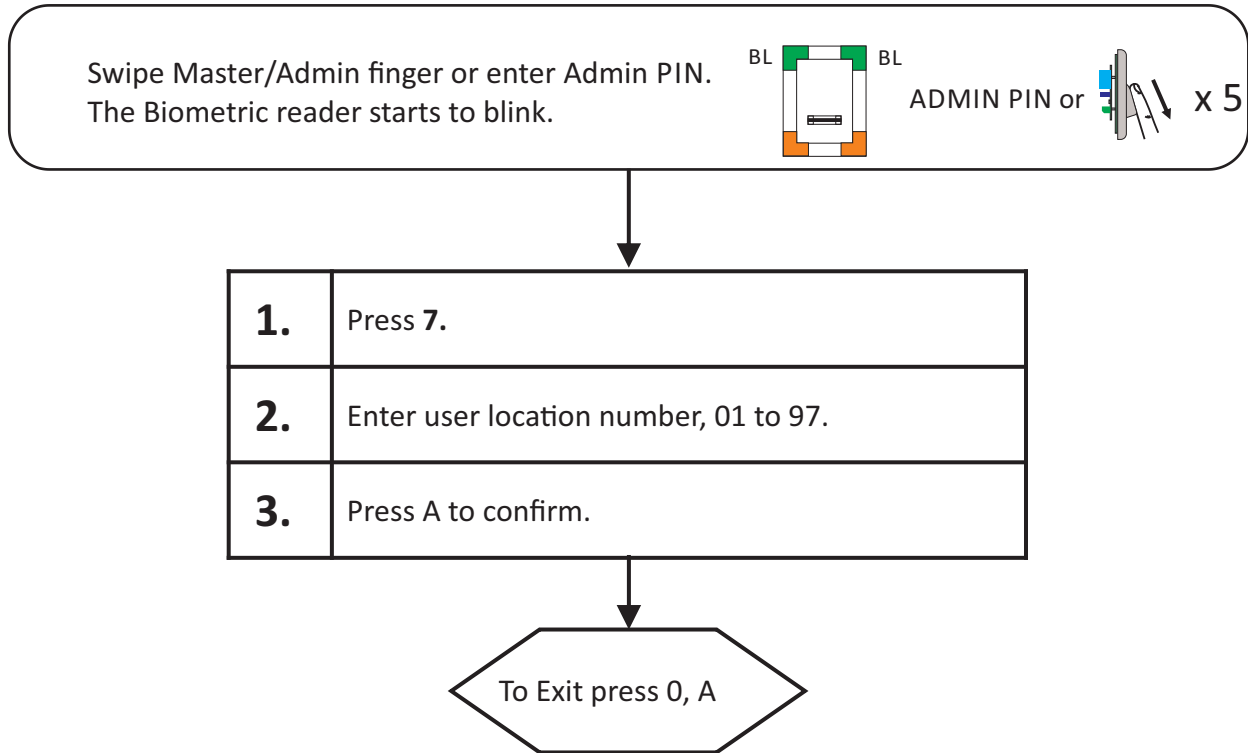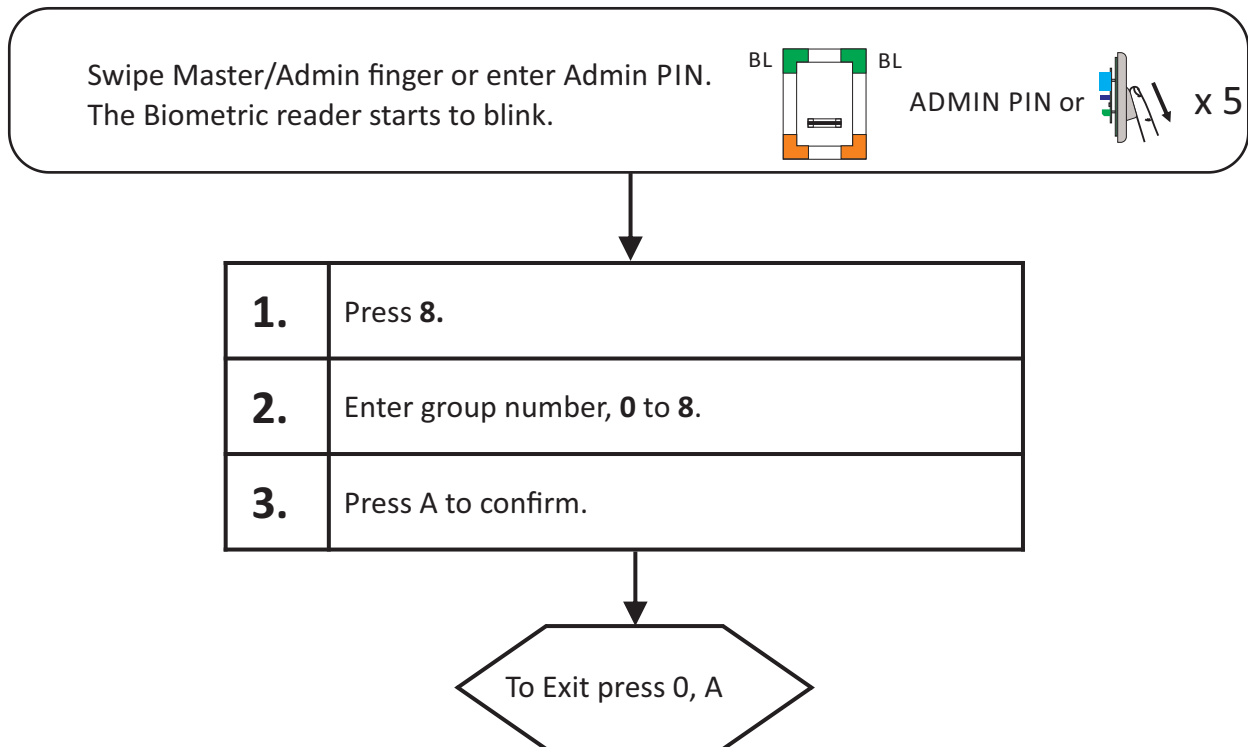
Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

ADMIN PIN or   x 5

1.	Press 7.
2.	Enter user location number, 01 to 97.
3.	Press A to confirm.

To Exit press 0, A

12.3 Delete User Group

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

ADMIN PIN or   x 5

1.	Press 8.
2.	Enter group number, 0 to 8.
3.	Press A to confirm.

To Exit press 0, A

Note: *All fingers that are enrolled in the Group will be deleted.*

12.4 Delete All Users

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL BL
ADMIN PIN or x 5

1.	Press **9.**
2.	Press **5,1,3,5,7.**
3.	Press **A** to confirm.
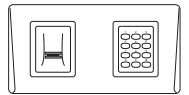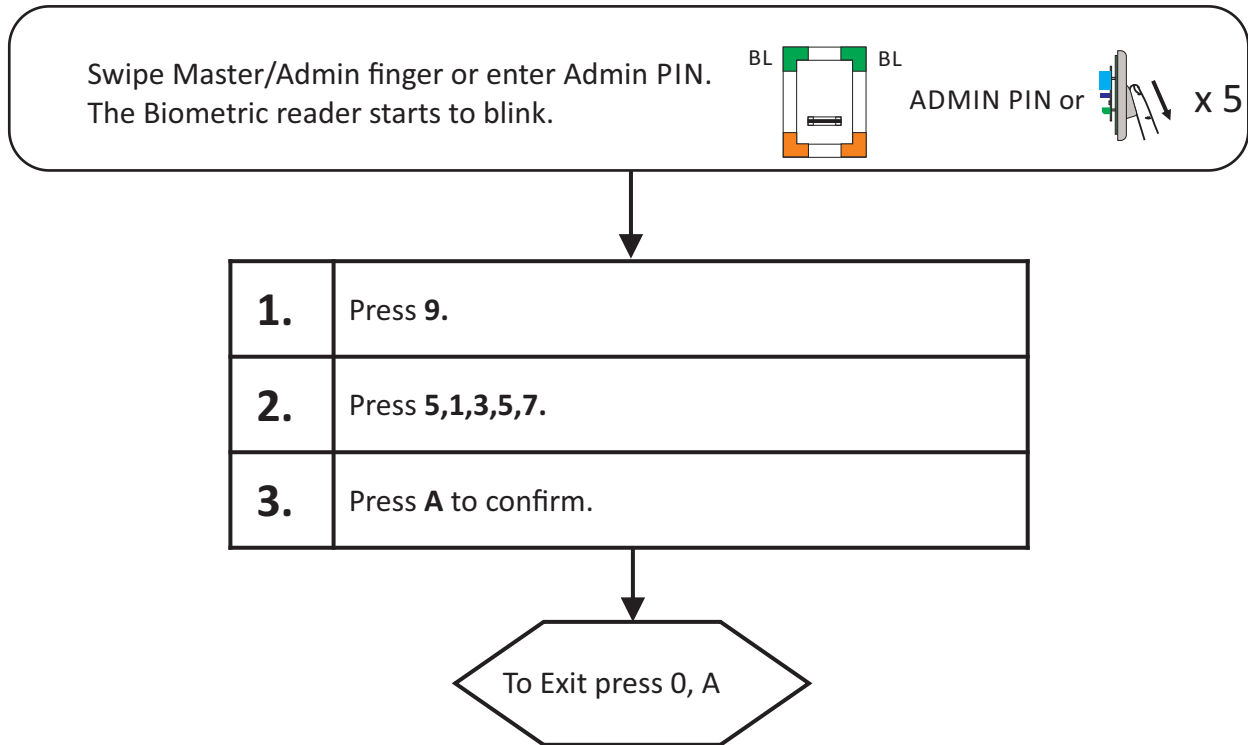
To Exit press 0, A

12.5 Delete User by User Finger

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL BL
ADMIN PIN or x 5

1.	Press **6.**
2.	Press **A.**
3.	Enter user PIN then press **A** or swipe the user finger.
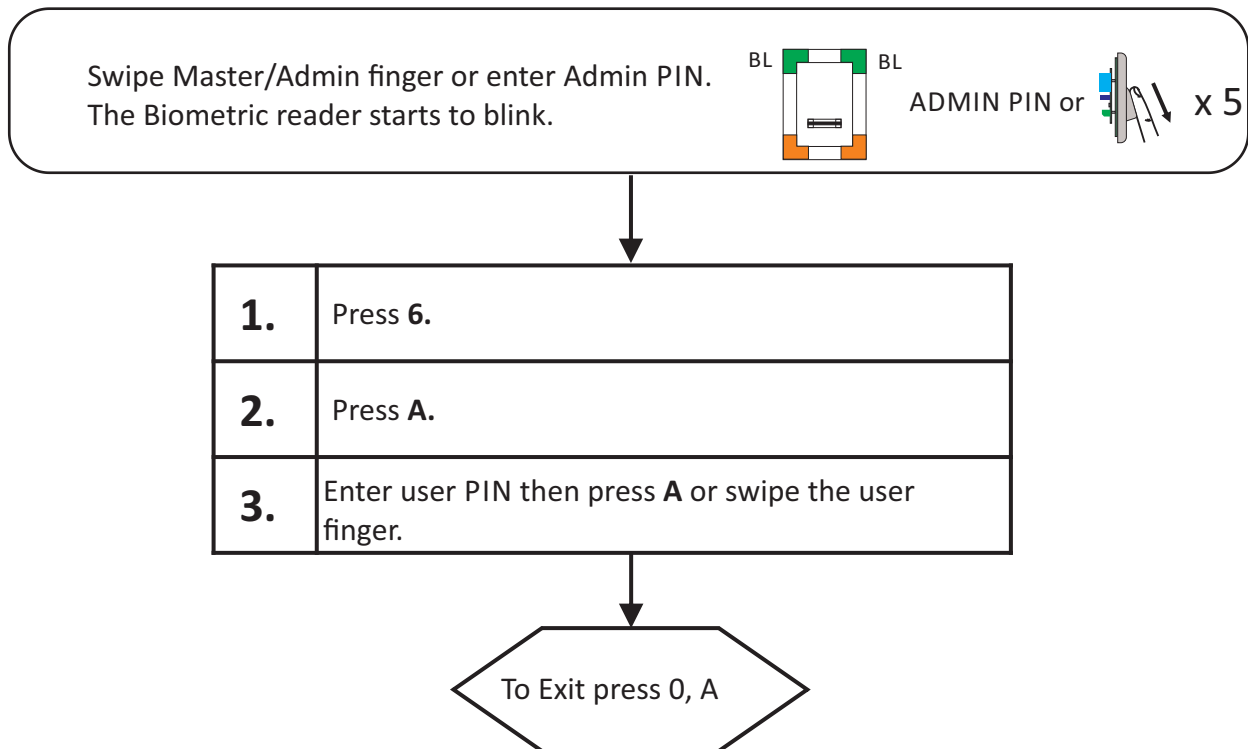
To Exit press 0, A

12.0 PROGRAMING DINB100-SA WITH KEYPAD
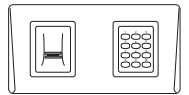
12.6 Set Door Relay Time

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

ADMIN PIN or x 5

1.	Press **2**.
2.	Press **1** or **2** to select **Relay1** or **Relay2**

3. Select the time code from the **Table1.**

Table1.

Time Codes	Time Mode
1	1 sec
2	3 sec
3	5 sec
4	10 sec
5	20 sec
6	30 sec
7	60 sec
8	Toggle

4.	Press **A** to confirm.

To Exit press 0, A

Example:
Task: Put Relay1 to stay activated 10 seconds.

Scroll Master Finger 5 times, press 2, press 1, press 4, press A, press 0,A to exit.

12.0 PROGRAMING DINB100-SA WITH KEYPAD

12.7 Buzzer Settings

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

| 1. | Press **3,1.** |

2. Select the **Buzzer Code** from the **Table2.**

Table2.

Buzzer Code	Buzzer Mode
1	Remote OFF
2	Reader OFF
3	All ON
4	All OFF

| 3. | Press **A** to confirm. |

To Exit press 0, A
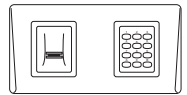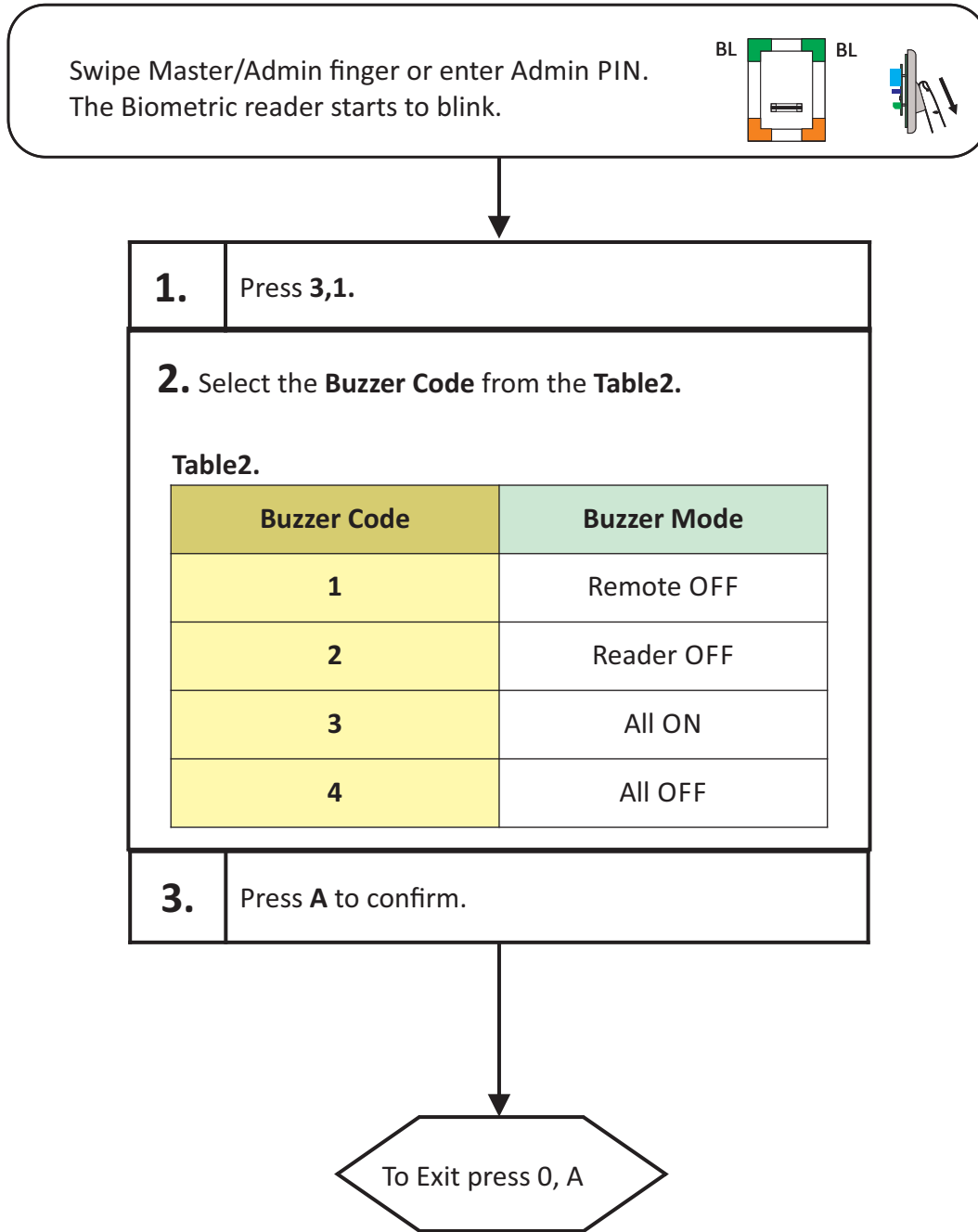
Note 1: *When "Remote OFF" is selected, the buzzer is OFF in the remote relay unit. In the biometric reader and in the keypad the buzzer is ON.*
Note 2: *When "Reader OFF" is selected, the buzzer is ON in the remote relay unit. In the biometric reader and in the keypad the buzzer is OFF.*

12.8 Backlight Settings

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

1. Press **3,2.**

2. Select the **Backlight Code** from the **Table 3.**

Table 3.

Backlight Code	Backlight Mode
1	Remote OFF
2	Reader OFF
3	All ON
4	All OFF

3. Press **A** to confirm.

To Exit press 0, A

Note 1: *When "Remote OFF" is selected, the backlight is OFF in the remote relay unit. In the biometric reader and in the keypad the backlight is ON.*
Note 2: *When "Reader OFF" is selected, the backlight is ON in the remote relay unit. In the biometric reader and in the keypad the backlight is OFF.*
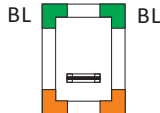
12.0 PROGRAMING DINB100-SA WITH KEYPAD
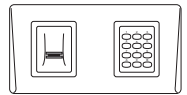
12.9 Set the Touch Button Function
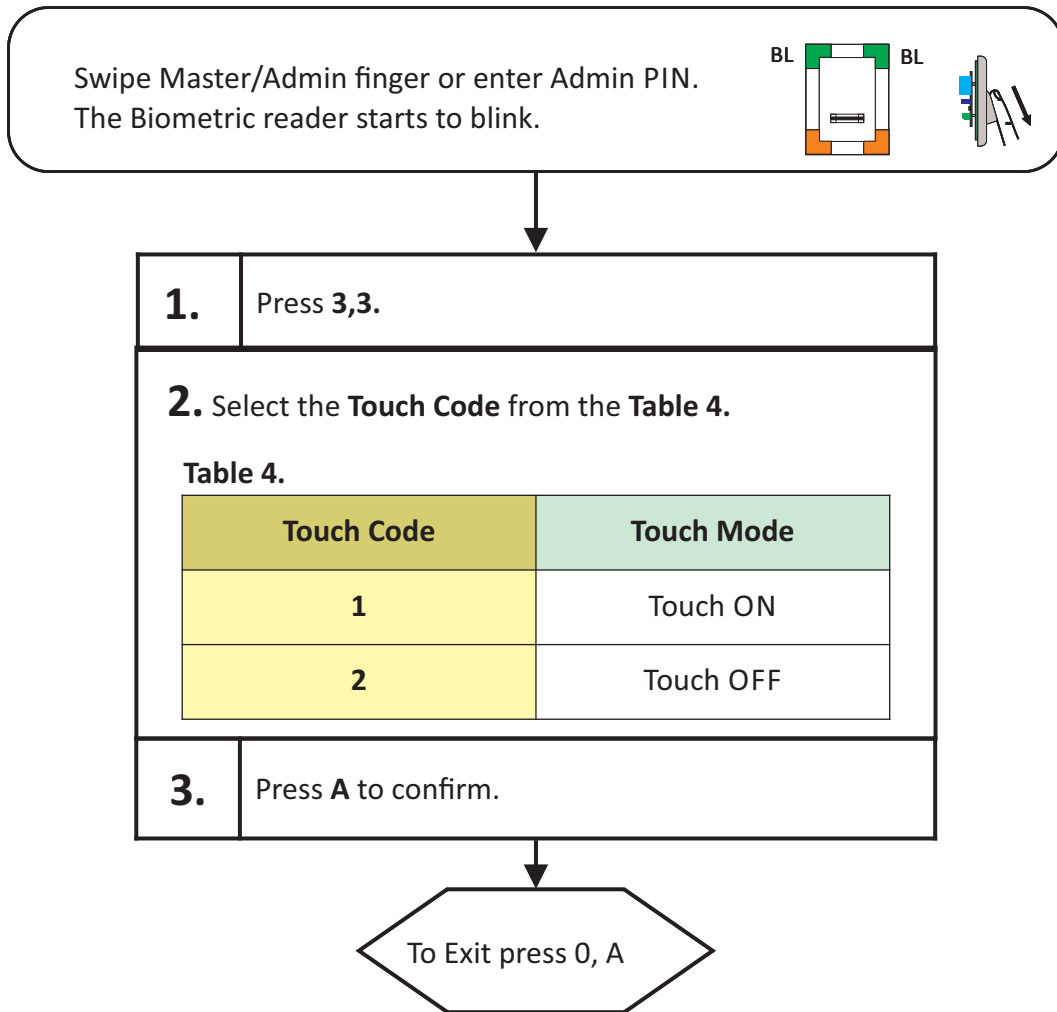
Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

1.	Press **3,3.**

2. Select the **Touch Code** from the **Table 4.**

Table 4.

Touch Code	Touch Mode
1	Touch ON
2	Touch OFF

3.	Press **A** to confirm.

To Exit press 0, A

Remote Relay Touch Function - Enabling/Disabling the Touch Button Function in the remote relay Unit

12.10 Unpair Remote Relay

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

1.	Press **3,5.**
2.	Press **7,1,5,9**.
3.	Press **A** to confirm
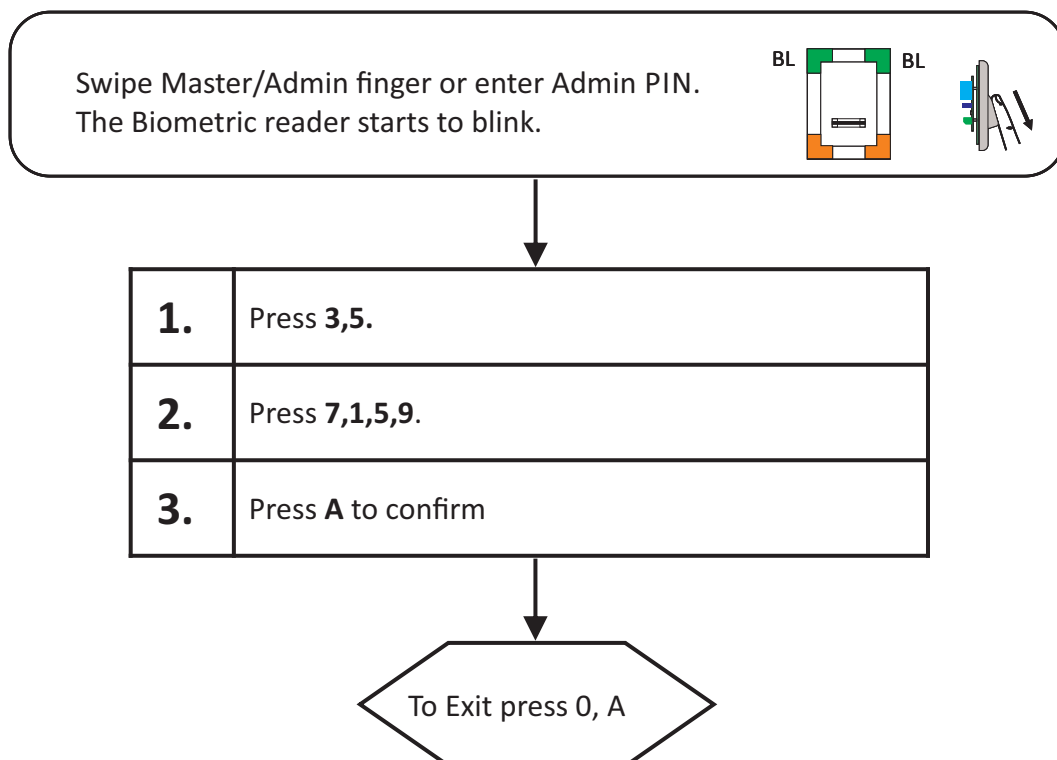
To Exit press 0, A

12.0 PROGRAMING DINB100-SA WITH KEYPAD
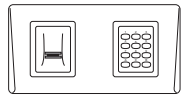
12.11 Entry Mode Settings

Swipe Master/Admin finger or enter Admin PIN.
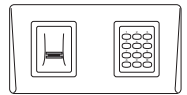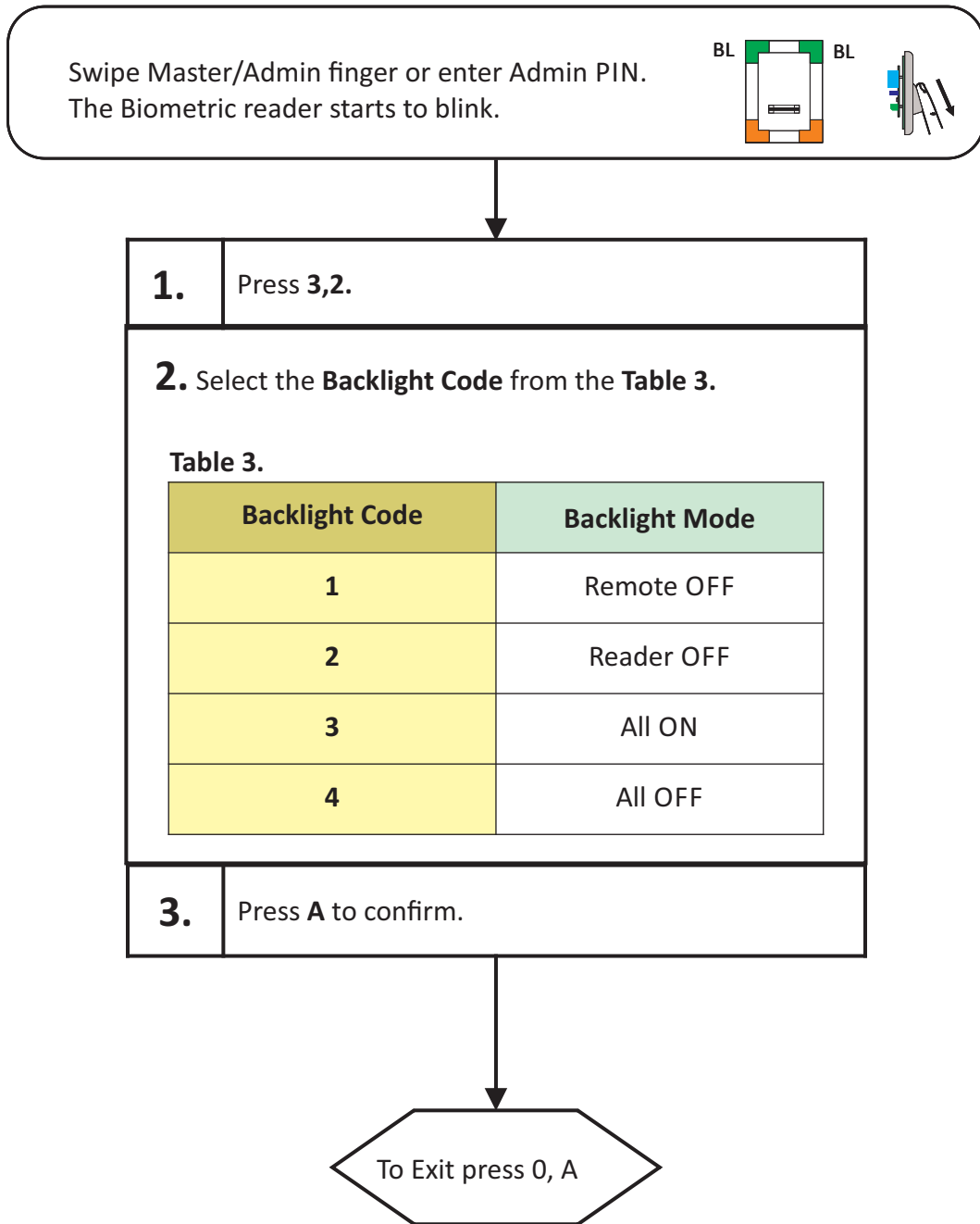The Biometric reader starts to blink.

1. Press **3,4.**

2. Select the Entry Mode from the **Table 5.**

Table 5.

Entry Codes	Entry Mode
2	Finger or PIN
3	Finger and PIN

3. Press **A** to confirm.
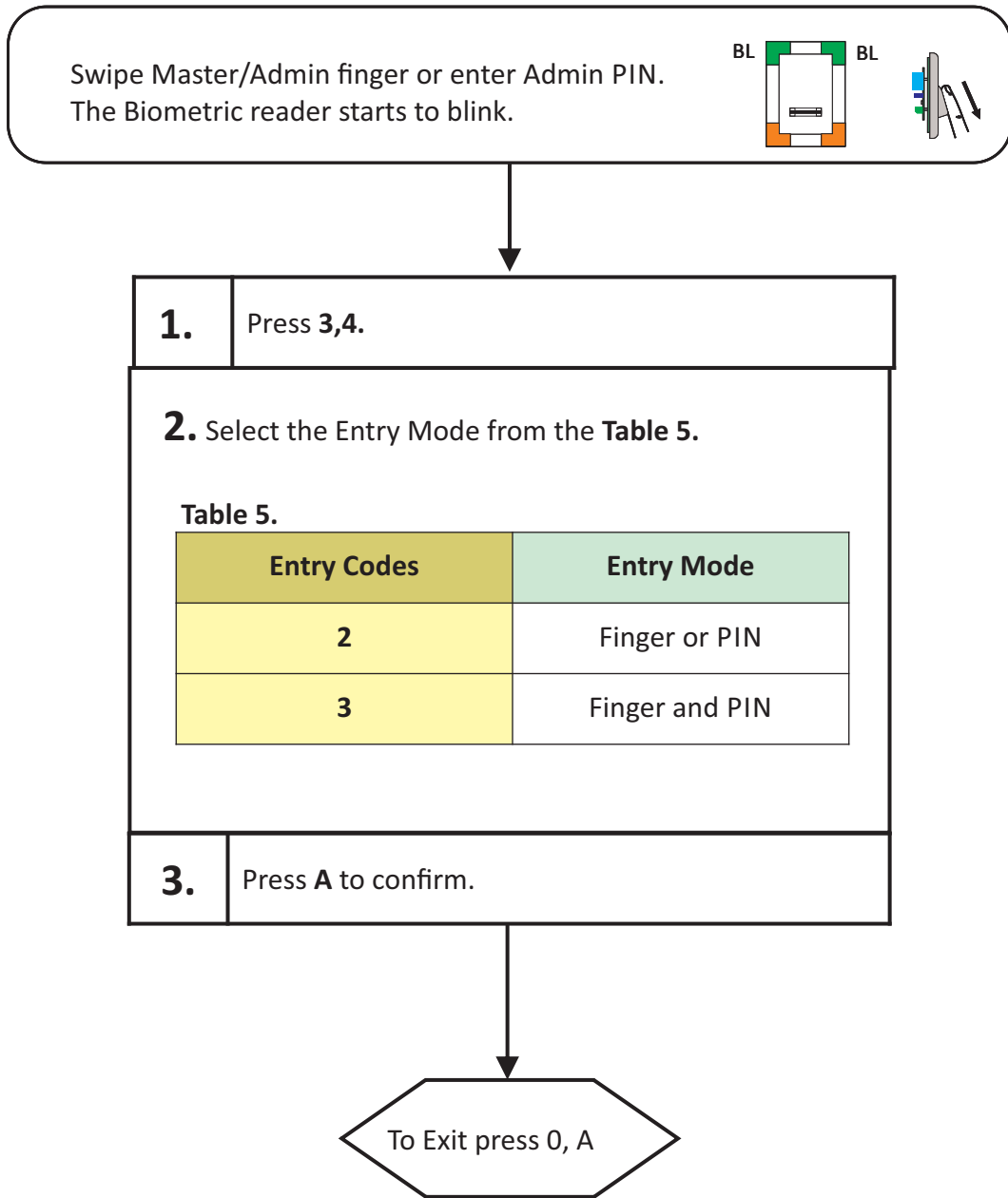
To Exit press 0, A

Example:
Task: Set the Reader to work in "Finger and PIN" mode

Scroll Master Finger 5 times, press 3, 4, press 3, press A, press 0,A to exit.

12.0 PROGRAMING DINB100-SA WITH KEYPAD

12.12 Add Administrator

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL BL x 5

1.	Press **4,1.**
2.	Press **1** or **2** to select **Admin1** or **Admin2**
3.	Press **A** to confirm.
4.	Enter **Admin** PIN code.(1 to max 8 digits)
5.	Press **A** to confirm

Swipe the Admin finger min.**6 times**.(Until Ok Beep) x 6

To Exit press 0, A

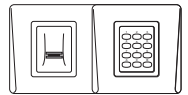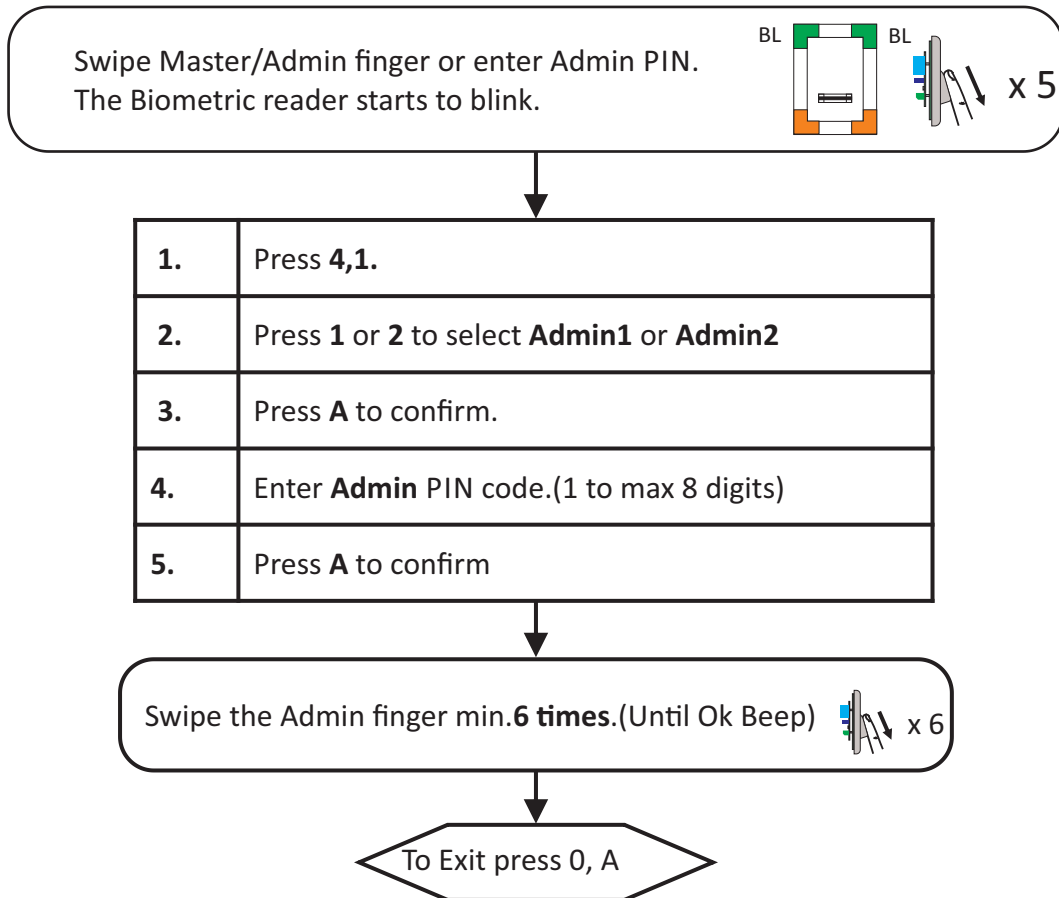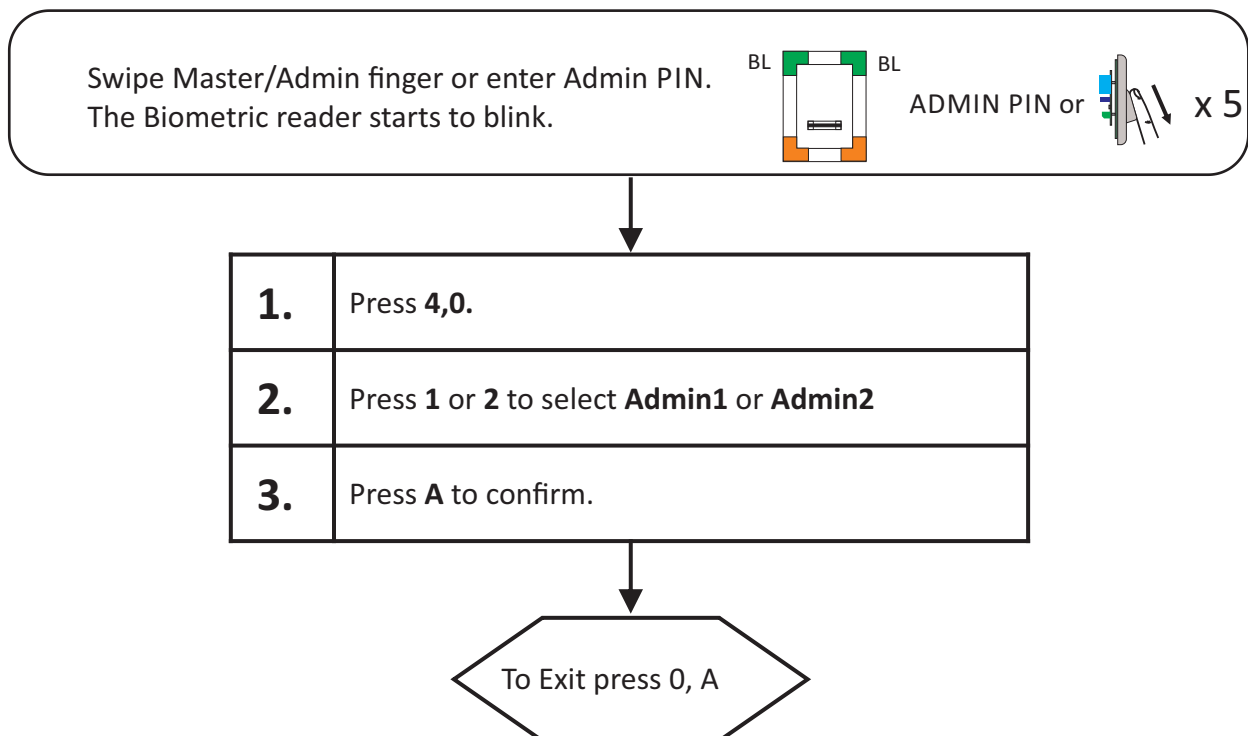*- There is 1 Master Finger, but no master PIN Code. The master finger can enroll/delete user and all the other settings.*
- The Master finger can be changed ONLY with the jumper.
- There are 2 Administrator Fingers and 2 Administrator PIN Codes. In order to enrol Admin, Master Finger MUST be enrolled first. The administrator can do all the things that Master can do. The Master can delete the Administrator, but the Administrator can not delete the Master.

12.13 Delete Administrator

Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL BL ADMIN PIN or x 5

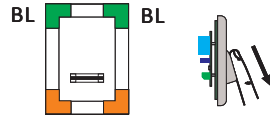| 1. | Press **4,0.** |
| 2. | Press **1** or **2** to select **Admin1** or **Admin2** |
| 3. | Press **A** to confirm. |

To Exit press 0, A

12.0 PROGRAMING DINB100-SA WITH KEYPAD

12.14 Reset to defaults

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Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

1.	Press **3,6.**
2.	Press **9,1,4,7**.
3.	Press **A** to confirm

To Exit press 0, A

Note:
Does not affect the fingerprints stored and the pairing

12.15 Double Swipe Unlocks Door

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Swipe Master/Admin finger or enter Admin PIN.
The Biometric reader starts to blink.

BL   BL

1.	Press **3,3.**

2. Select the **Double Swipe** from the table

	Double swipe Unlocks Door
1	Enable
2	Disable

3.	Press **A** to confirm.

To Exit press 0, A

Note:
Refer to Chapter 10 for this feature

This product herewith complies with requirements of EMC directive 2014/30/EU. In addition it complies with RoHS directive EN50581:2012

Visual Plus Corporation, s.a.

Drève Richelle 161
WOP G - Bte 34
1410 Waterloo - Belgium

%xpr Access