



IDCOLLECT-N IDCOLLECT-SQ



INSTALLER MANUAL

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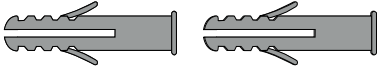
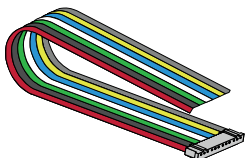
2.INTRODUCTION

Manual for the installation of IDCOLLECT-N and IDCOLLECT-SQ, readers that allow identification by PIN code and high frequency proximity (13,56MHz).

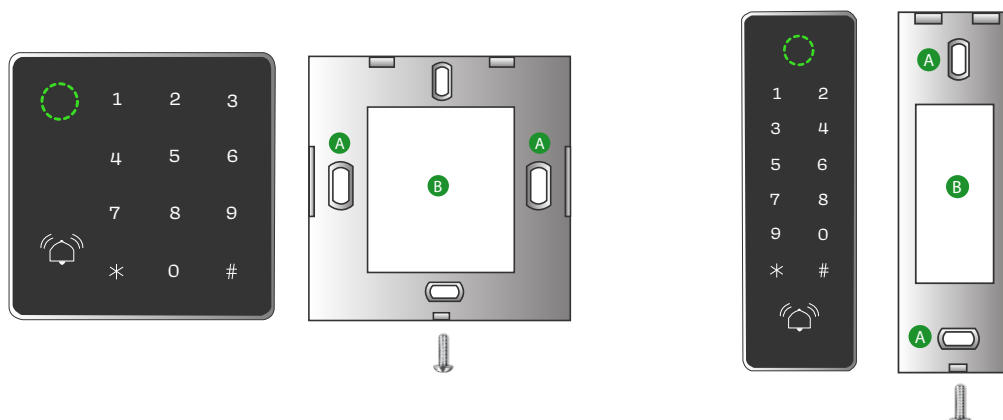
3.SPECIFICATIONS

Material	ABS plastic
Protection degree	IP-66
Input voltage	12Vdc
Current	Standby current: ≤ 100mA / Active: 150mA
Capacity (max. users in standalone)	9990
Transmission format	Wiegand 26
Reading frequency	13.56MHz
Reading range	3-6cm
PIN code length	4-6 digits
Relay	NO, NC, common (2A max.)
Working temperature range	-40 ~60° C
Working humidity range	0-98% (non-condensing)
Dimension IDCOLLECT-N (H x W x D)	45(W) x 140(H) x 18(D)mm
Dimension IDCOLLECT-SQ (H x W x D)	86(W) x 86(H) x 18(D)mm

4.PRODUCT CONTENT

 IDCOLLECT-N or IDCOLLECT-SQ reader		Diode.
		Fixing blocks.
		Screws.
		Allen key for screw fixing.
		Flat connection cable.

5. INSTALLATION



- 1 Unfasten the screw at the bottom and remove the reader from the base.
- 2 Drill a pair of holes in the wall (A) for the fixing blocks and another for the cables (B).
- 3 Place the fixing blocks in the holes (A).
- 4 Pass the cable through the hole (B).
- 5 Fasten the base to the wall with the screws provided.
- 6 Fit the reader into the base and secure both parts with the screw at the bottom.

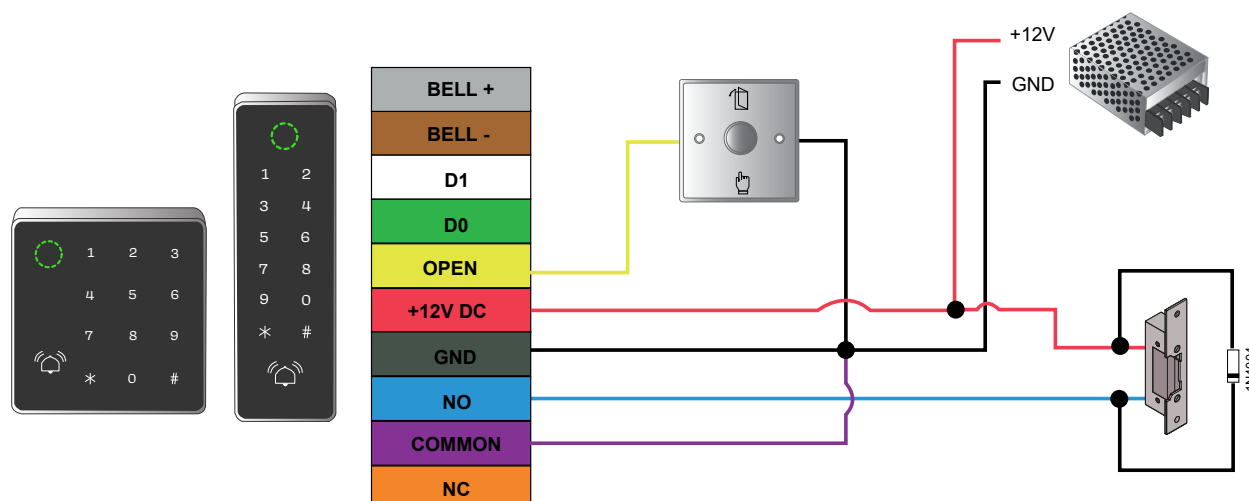
6. CONNECTION

WIRE COLOUR	FUNCTION	DESCRIPTION
Red	12Vdc	Input 12VDCcurrent
Black	GND	GND
Blue	NO	Normally open relay output
Purple	Common	Common contact for relay output
Orange	NC	Normally closed relay output
Yellow	Opening	Exit pushbutton
Green	D0	Wiegand Data 0 output
White	D1	Wiegand Data 1 output
Grey	Bell +	Positive contact for bell connection
Brown	Bell -	Negative contact for bell connection

7. STATUS DISPLAYS

OPERATING STATUS	LED COLOUR	BUZZER
Standby	Red	-
Enter programming mode	Flashing red	Short beep
In programming mode	Orange	Short beep
Operation error	-	3 beeps
Exit programming mode	Red	Short beep
Door open	Green	Short beep
Alarm	Quick flashing red	Beeps

8.STANDALONE CONNECTION DIAGRAM



9.BASIC PROGRAMMING

It is possible to perform basic programming using a MASTER card. To do so a MASTER card must be created by performing the procedure described in chapter “12.6. Reset to factory settings”.

Once the MASTER card has been created, it is possible to proceed as follows to perform basic programming:

USER REGISTRATION

- 1) Approach the “Master Card” to the reader.



- 2) Register card or PIN code:

CARD (AUTO ID), approach card



PIN, enter User ID (1-9990), plus #, plus PIN (4 to 6 digits) plus #.



- 3) Approach the “Master Card” to the reader.



DELETE USER

- 1) Approach the “Master Card” to the reader 2 times within 5 seconds.



- 2) Delete card or user.

CARD, approach card to be deleted.



PIN, enter user ID plus #.



- 3) Approach the “Master Card” to the reader.



NOTE: in case the MASTER CARD is lost, it is possible to replace the previous one by performing the procedure described in chapter “12.6.Reset to factory settings”.

INSTRUCTIONS FOR USE

Door opening: approach a valid user card or enter a valid user PIN plus #.

Deactivate alarm: enter the master code plus #, master card, user card or valid PIN.

Recommendation for a correct experience of use:

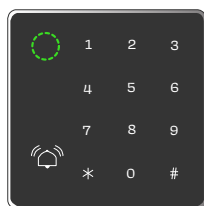
Proximity, bring the credential close to digit number 8 as the reader antenna is located in this area.

PIN code, keep the buzzer activated to have acoustic confirmation when the keys are pressed.

10. PROGRAMMING BY CARD COLLECTION

The reader supports card programming in collection mode. This means that once activated, any card approaches to the reader will open the door and will be programmed, once the collection mode is deactivated, the programming will be completed (new cards will not open the door and will not be programmed).

COLLECTION MODE **ON**



* (MASTER CODE) # 93

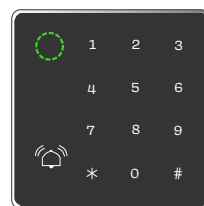


DOOR IS UNLOCKED



USER IS REGISTERED

COLLECTION MODE **OFF**



* (MASTER CODE) # 92

CARD COLLECTION MODE OFF (factory default)

Enter to administrator mode				
*	MASTER CODE	#	92	#

Example: * 987654 # 92 #

CARD COLLECTION MODE ACTIVATED

Enter to administrator mode				
*	MASTER CODE	#	93	#

Example: * 987654 # 93 #

This mode is intended for installers as it simplifies the work, as they can deliver the credentials to the installation administrator and deactivate the collection mode after a few days (once all delivered credentials have been used).

11. ADVANCED PROGRAMMING

11.1. PROGRAMMING

Perform the following sequence to enter programming:

Enter to administrator mode		
*	MASTER CODE (by default: 123456)	#

IMPORTANT

The reader will indicate the access to programming with the “green” lighting up and then the flashing LED in “red”. At the start of the programming sequence (function to be programmed) the led will be “orange”.

To exit programming, press “*” and the reader will go to standby, the status LED will be “steady red”. If you do not press anything, after 30 seconds the reader will also automatically exit programming.

Once in programming, perform the desired programming sequence. The different system programming sequences are detailed below.

11.1.1. CHANGE MASTER CODE

It is highly recommended to modify the master code:

Enter administrator mode				
*	MASTER CODE	#	0	NEW MASTER CODE (6 DIGITS)
			#	NEW MASTER CODE (6 DIGITS)

Example: * 123456 # 0 987654 # 987654 #

11.1.2. CARD REGISTRATION (AUTO ID)

Card registration with automatic registration.

Enter administrator mode				
*	MASTER CODE	#	1	APPROACH CARD
			#	

Example: * 987654 # 1 APPROACH CARD #

11.1.3.CARD REGISTRATION (SPECIFIC ID)

Maximum number of records is 9990. User IDs from 1 to 9990.

Enter administrator mode								
*	MASTER CODE	#	1	USER ID (1-9990)	#	APPROACH CARD	#	

Example: * 987654 # 1 1 # APPROACH CARD #

IMPORTANT: do not enter user IDs with zeros before the ID value.

11.1.4.PIN CODE REGISTRATION (SPECIFIC ID)

Maximum number of records is 9990. User IDs from 1 to 9990.

Enter administrator mode								
*	MASTER CODE	#	1	USER ID (1-9990)	#	PIN	#	

Example: * 987654 # 1 1 # 4543 #

IMPORTANT: do not enter user IDs with zeros before the ID value.

11.1.5.DELETE CARD

Deletion of cards by approaching the card to be deleted.

Enter administrator mode								
*	MASTER CODE	#	2	APPROACH CARD	#			

Example: * 987654 # 2 APPROACH CARD #

11.1.6.DELETE CARD OR PIN (SPECIFIC ID)

Enter the ID corresponding to the user to be deleted.

Enter administrator mode								
*	MASTER CODE	#	2	USER ID (1-9990)	#			

Example: * 987654 # 2 1 #

11.1.7.MODIFY PIN

It is possible to change the PIN, without the need to access programming. When the reader is in standby mode, enter:

*	USER ID	#	PIN TO MODIFY	#	NEW PIN	#	NEW PIN	#
---	---------	---	---------------	---	---------	---	---------	---

Example: * 1 # 4543 # 6688 # 6688 #

12.OTHER SETTINGS**12.1. IDENTIFICATION MODE****12.1.1.IDENTIFICATION BY CARD OR PIN**

Enter administrator mode								
*	MASTER CODE	#	43 (default value)			#		

Example: * 987654 # 43 #

12.1.2.IDENTIFICATION BY PIN CODE ONLY

Enter administrator mode								
*	MASTER CODE	#	41			#		

Example: * 987654 # 41 #

12.1.3.IDENTIFICATION BY CARD ONLY

Enter administrator mode								
*	MASTER CODE	#	40			#		

Example: * 987654 # 40 #

12.2. ALARM TIME SETTING (TAMPER)

The tamper alarm activation time is from 0 to 3 minutes.

Enter administrator mode				
*	MASTER CODE	#	5(0-3)	#

Example: * 987654 # 52 #

In the example, the value 52 has been entered, so it would be active for 2 minutes. Default value: 51 (1 minute).

12.3. RELAY SETTINGS**12.3.1.PULSE MODE**

Enter administrator mode				
*	MASTER CODE	#	3	1-99 #

Example: * 987654 # 3 15 #

The pulse can be active from 1 to 99 seconds. In the example, the value 15 has been entered, so it would be active for 15 seconds. Default value: 5 seconds.

12.3.2.LATCHING MODE

Enter administrator mode				
*	MASTER CODE	#	3	0 #

Example: * 987654 # 3 0 #

The relay switches to ON/OFF mode.

12.4. LOCKOUT ALARM (FAILED ATTEMPTS)

The lockout alarm will be triggered after 10 unsuccessful fingerprint/PIN entry attempts. The factory default is OFF, but it can be set to deny access for 10 minutes or to activate the alarm after triggering.

12.4.1.LOCKOUT DISABLED

Enter administrator mode				
*	MASTER CODE	#	60 (default value)	#

Example: * 987654 # 60 #

12.4.2.10-MINUTE ACCESS LOCKOUT

Enter administrator mode				
*	MASTER CODE	#	61	#

Example: * 987654 # 61 #

The LED will start blinking and the reader will be locked for 10 minutes. To return to the normal state, wait 10 minutes or restart the reader.

12.4.3.ALARM

Enter administrator mode				
*	MASTER CODE	#	62	#

Example: * 987654 # 62 #

The alarm will be activated, in case of 10 unsuccessful attempts the alarm will sound for the time defined in section “12.2. ALARM TIME SETTING (TAMPER)”. In case to approach user card, enter user PIN code or approach MASTER card the alarm will stop.

12.5. VISUAL AND AUDIO SETTINGS**12.5.1.BUZZER ACTIVATED**

Enter administrator mode				
*	MASTER CODE	#	71 (default value)	#

Example: * 987654 # 71 #

12.5.2.BUZZER DEACTIVATED

Enter administrator mode				
*	MASTER CODE	#	70	#

Example: * 987654 # 70 #

12.5.3.LED ACTIVATED

Enter administrator mode			
*	MASTER CODE	#	73 (default value) #

Example: * 987654 # 73 #

12.5.4.LED DEACTIVATED

Enter administrator mode			
*	MASTER CODE	#	72 #

Example: * 987654 # 72 #

12.5.5.BACKLIT KEYBOARD WITH AUTOMATIC SHUTDOWN

Enter administrator mode			
*	MASTER CODE	#	76 (default value) #

Example: * 987654 # 76 #

The keypad backlight will automatically turn off after 20 seconds of inactivity. In standby mode, pressing any key will not be taken into consideration, it will be only used to exit the idle state.

12.5.6.BACKLIT KEYBOARD ACTIVATED

Enter administrator mode			
*	MASTER CODE	#	75 #

Example: * 987654 # 75 #

12.5.7.BACKLIT KEYBOARD DEACTIVATED

Enter administrator mode			
*	MASTER CODE	#	74 #

Example: * 987654 # 74 #

12.6. RESET TO FACTORY DEFAULTS

The reset returns the reader to factory defaults. Restoring the configuration and the master code. User information will be kept.

1. Turn off the power.
2. Press and hold the exit push button.
3. Turn on the power.
4. When 2 beeps are heard, stop holding the exit pushbutton.
5. The LED will light up **yellow**.
6. Approach a 13.56MHz card through the reader
7. The light will illuminate **red** and the equipment will be reset to factory defaults.

*Requires exit push button, **yellow** wire (OPEN) and **black** wire (GND) to be connected.

NOTE

- This process generates a MASTER card replacing the previous one.
- In case it is not desired to replace the current MASTER card, skip step 6 and wait for the reader to return to the idle state (**red** led).

12.7. DELETE ALL THE USERS

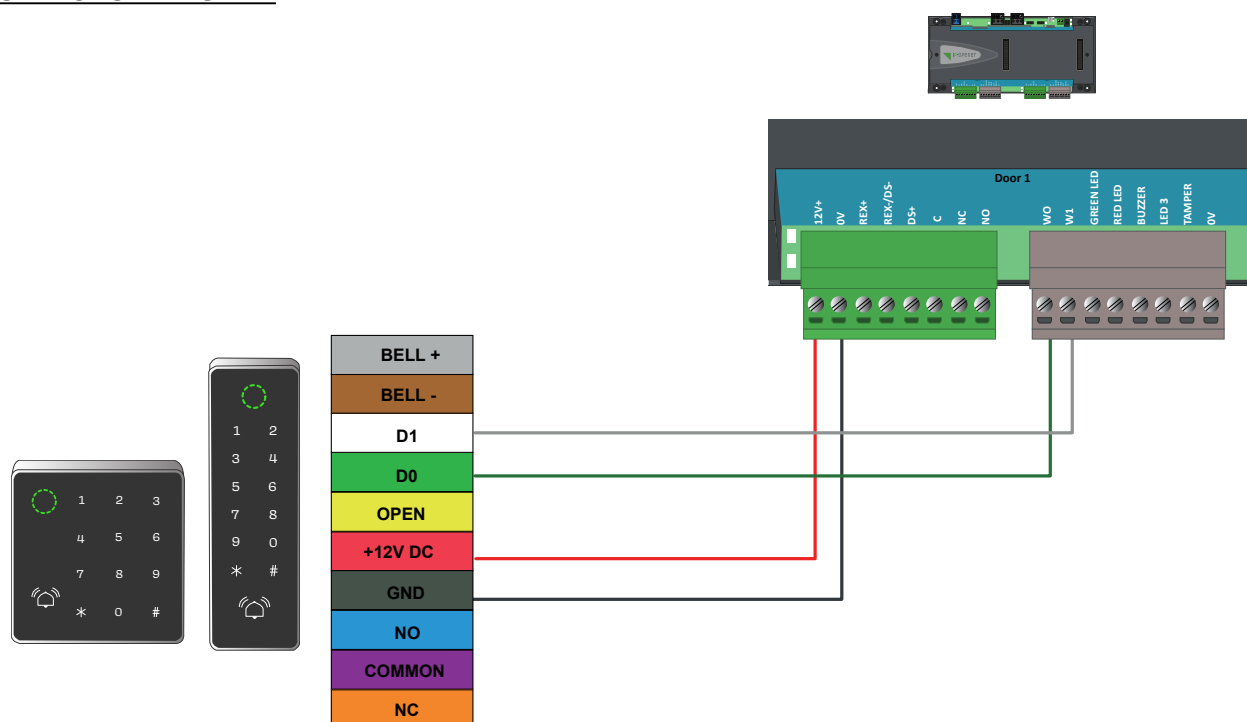
Enter administrator mode			
*	MASTER CODE	#	2 MASTER CODE #

Example: * 987654 # 2 987654 #

IMPORTANT: Before performing this function, make sure that it is OK to REMOVE all previously registered users.

13. WIEGAND

13.1. CONNECTION DIAGRAM



13.2. PROGRAMMING PIN

Generate a user with a “Access Code” credential and set the 4-digit PIN code that will perform the opening:

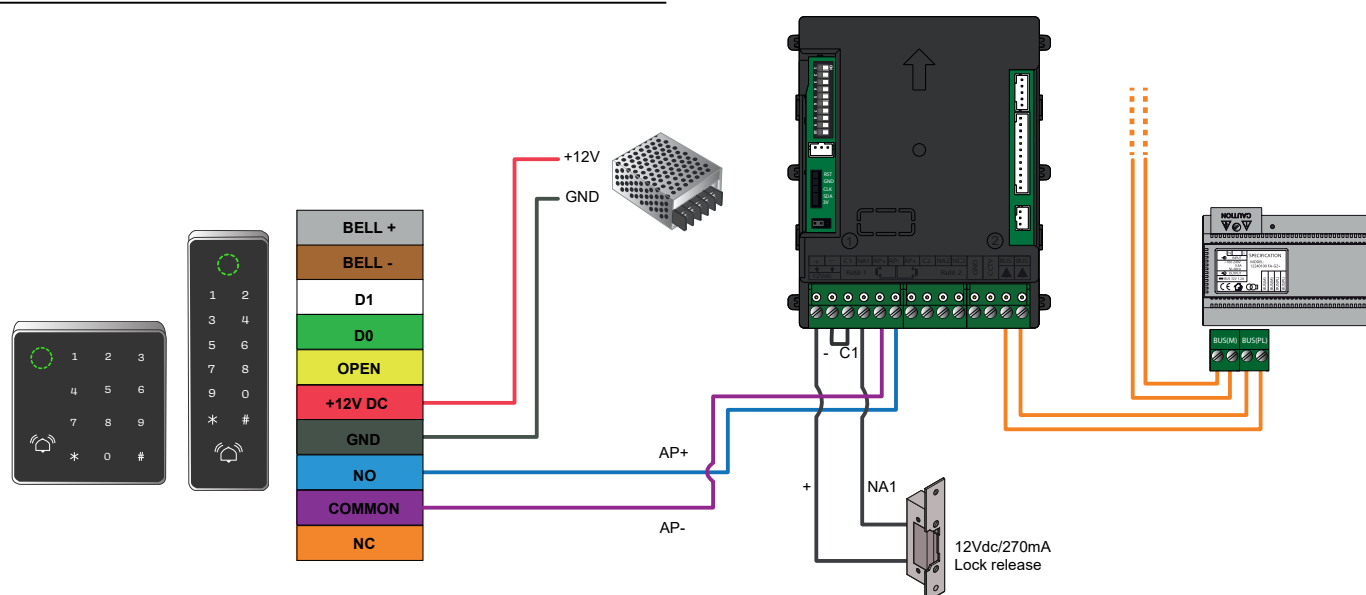
13.3. PROGRAMMING CARD

The registration of MIFARE cards can be done through the GM-USBIPOP programmer. Generate a user with credential type “Proximity token 1356” for ISOPROX cards and KEYPROX SE keyfobs or with “Mifare+” type for CARDDOOR MF+ cards or TAGDOOR MF+ keyfobs.

Press on the generated user and then on the “Read/Encode” icon  of the ID card to be encoded. At this point, the card or keyfob to be encoded must be swiped through the programmer:

14.OTHERS

14.1.CONNECTION DIAGRAM WITH VIDEO DOOR SYSTEM

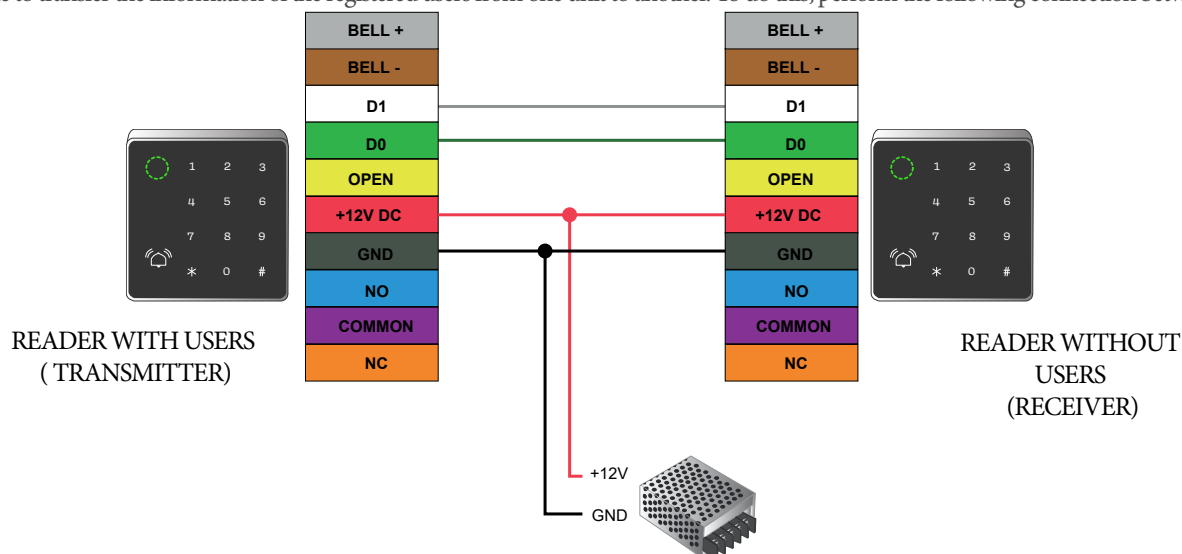


NOTE: the door opener (AP) does not activate the lock release until the pulse on the reader has been finished. To avoid opening delays set the minimum pulse time to 1 second at the reader:

Enter administrator mode					
*	MASTER CODE	#	3	1	#

14.2.TRANSFER USER INFORMATION

It is possible to transfer the information of the registered users from one unit to another. To do this, perform the following connection between readers:



Then perform the following sequence on the reader containing the registered users (transmitter):

Enter administrator mode		
*	MASTER CODE	#
98		#

Example: * 987654 # 98 #

At an interval of 30 seconds, the green led will shine, after a beep, the led will turn red, which means that the user information has been successfully transferred. Once the transfer is completed press “*” or wait for the reader to return to the idle state.

IMPORTANT: the master code set in the transmitter reader and in the receiver reader must be the same. In case the receiver reader has registered users, they will be removed.



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