



ST-120

WATER-PROOF PROXIMITY ACCESS CONTROL SYSTEM OPERATION AND INSTALLATION MANUAL



SOCA TECHNOLOGY CO., LTD.

2004 November

CONTENTS

I. SPECIAL FEATURES.....	4
II. FRONT PANEL AND TYPES OF CARDS.....	1
III. INSTALLATION PROCEDURES.....	3
IV. SETTING MODE AND FUNCTIONS.....	4
1. Registration of card (Add one card).....	4
2. Deletion and loss of card (Delete one card).....	5
3. Change of 8 sets of user's passwords.....	5
4. Door lock time setting (shunt time).....	6
5. Setting identification modes.....	6
6. Batch registration (add series cards).....	7
7. Anti-tamper output setting.....	7
8. Changing system password (command).....	8
9. Deletion of 8 sets of user's passwords.....	8
10. Deletion of batch registration (Delete all cards).....	9
11. Door opening (using system password).....	9

ST-120 Mode Setting

I. SPECIAL FEATURES:

1. One set stand alone design.
2. After installation of proximity reader and is connected to power source, red power indicator on the front panel will light up.
3. 4 types of door opening modes:
 - (1) Enter 4-digit door opening password, identification code is 1.
 - (2) Proximity card door access, identification code is 2.
 - (3) Proximity card plus 4-digit door opening password (8 sets of 4-digit door opening passwords), identification code is 3.
 - (4) Proximity card or 4-digit door opening password, identification code is 4.
4. When entering into the system setting mode, 4-digit system password should be entered in order to enter into system setting modes.

System code is being set at 4567 on production. In order to enter into the system to set up mode, press *# first then enter password and press # again when completed.(Example: *# 4 5 6 7 #).
5. All proximity card or proximity key tag must be registered before use.
6. Proximity card or proximity key tag has 8-digit number code. The card number required for setting is the last 6 digits.
7. 8 sets of door opening passwords.
8. Maximum storage capacity of 1,000 cards.
9. Data memory feature in case of power failure.

II. FRONT PANEL AND TYPES OF PROXIMITY CARD:

FRONT PANEL

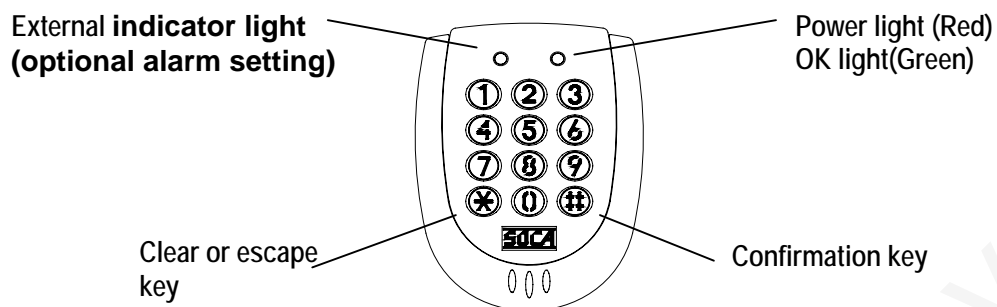
1. Indicator lights :

- | | |
|--------------------------------|-----------------------------------|
| (1) OK light (green) | : Door open indicator light. |
| (2) Power light (red) | : System standby indicator light. |
| (3) External Indicator(Orange) | : Activate-low |

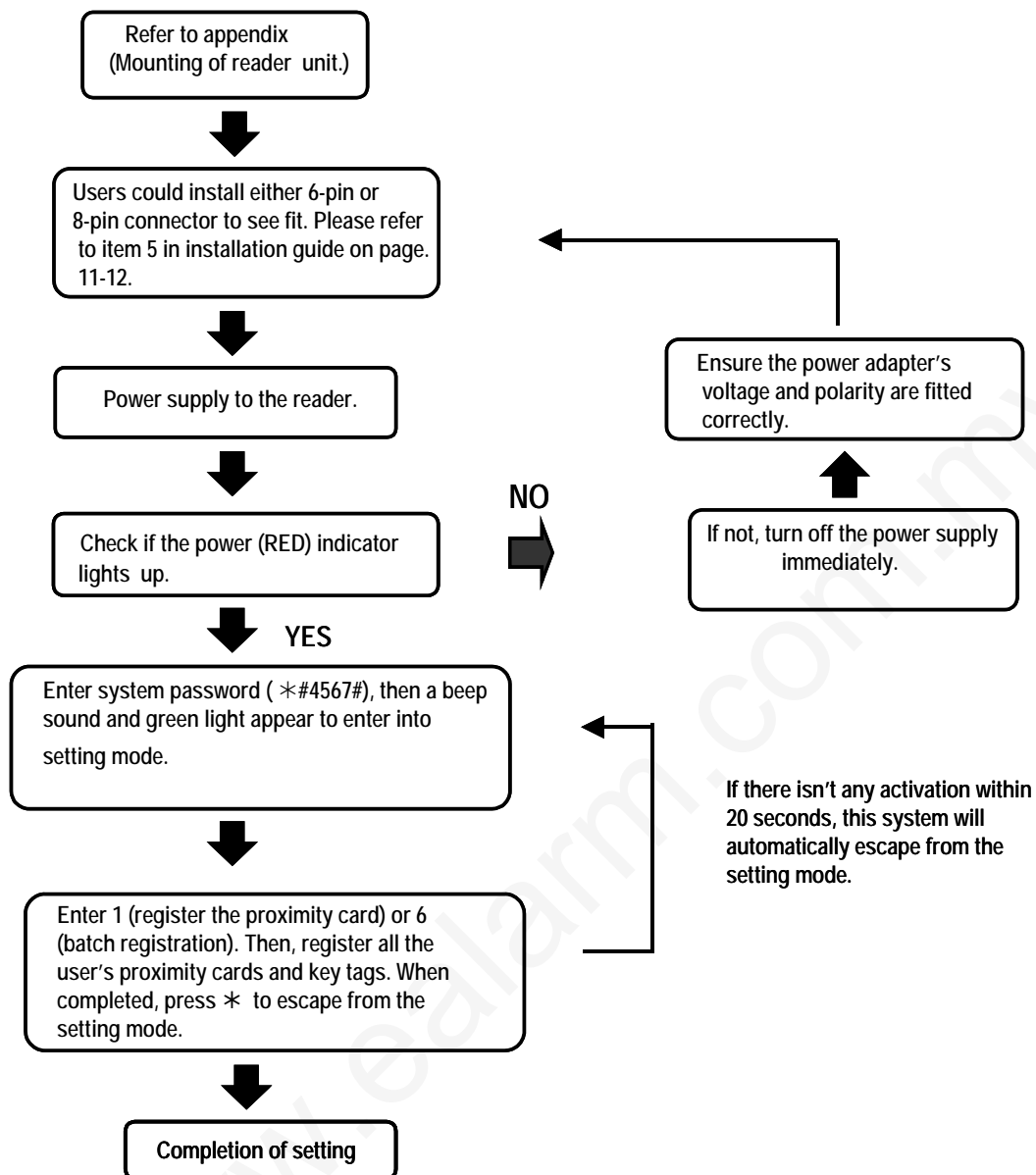
3. Ten enter keys, two functional keys: “#”, “*”.

key: Confirmation key.

* key: Clear or escape key.



III. INSTALLATION PROCEDURES



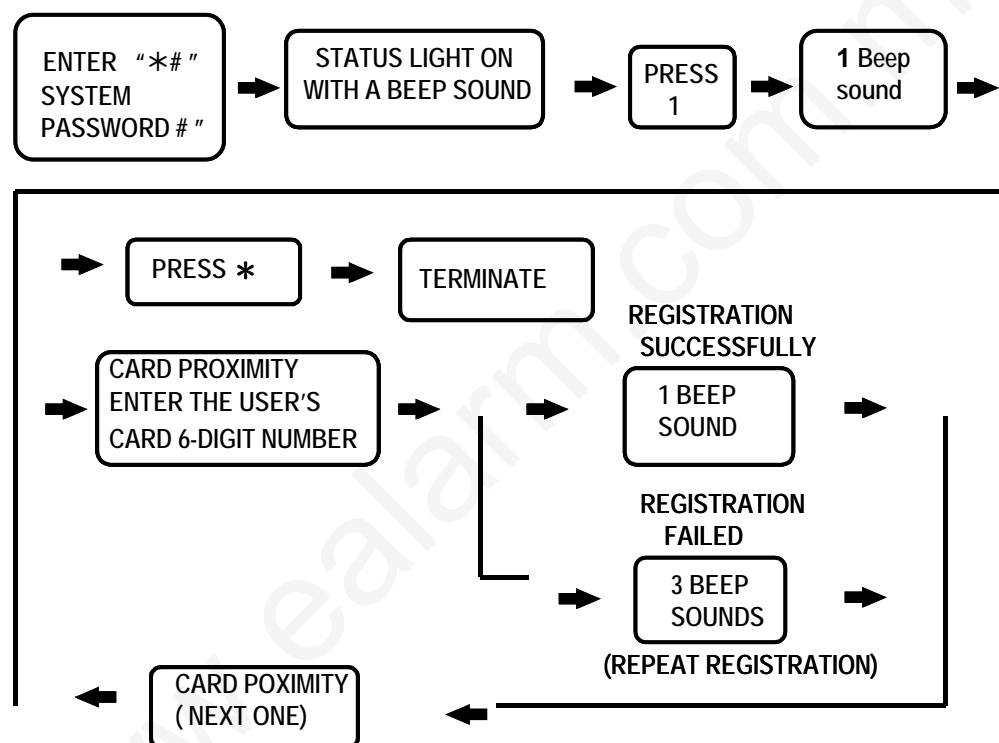
IV. SETTING MODES AND FUNCTIONS :

To enter into the system setting mode, first press * #, then enter

system password and press # subsequently to enter into system setting mode. When entered into system setting mode, the STATUS light (green) on the panel will be on with a beep sound.

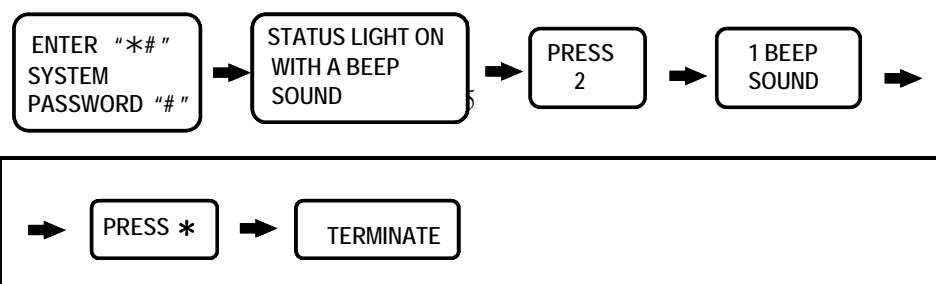
Users should enter any functional selections within 20 seconds. The reader will automatically terminate the system setting mode function after 20 seconds.

1. Add one card : To register user's card and utilize proximity to register.



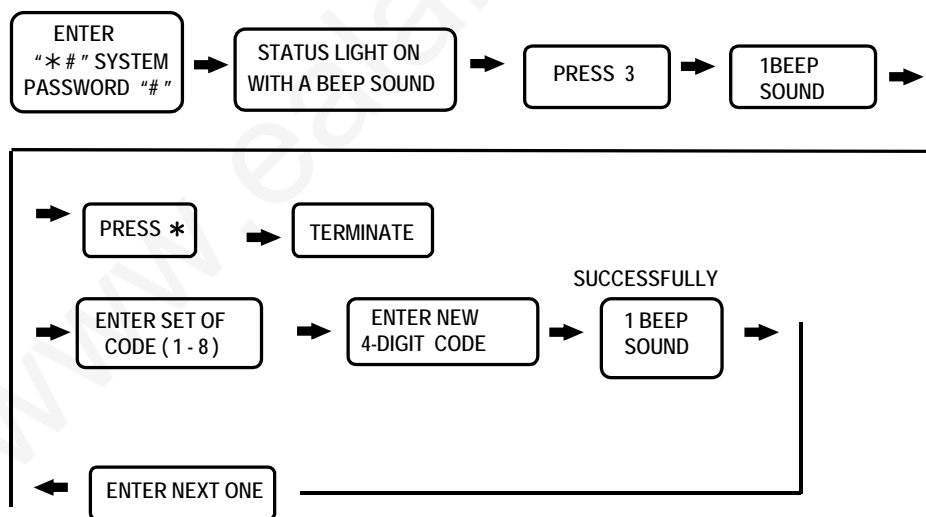
On the above operation, if “*” is being pressed, the card registration activities will be terminated.

2. Delete card : Deletion of user's card (such as loss of card), card number is the 6-digit code indicated on the proximity card.

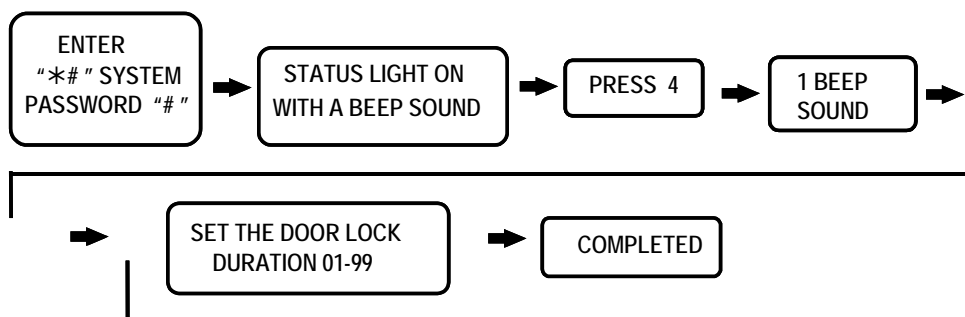


On the above operation if “*” is being pressed, the setting modes will be terminated, provided that there isn’t any key being entered. Any key-in being done prior to this operation will be deleted.

3. Change of 8 sets of user’s password:



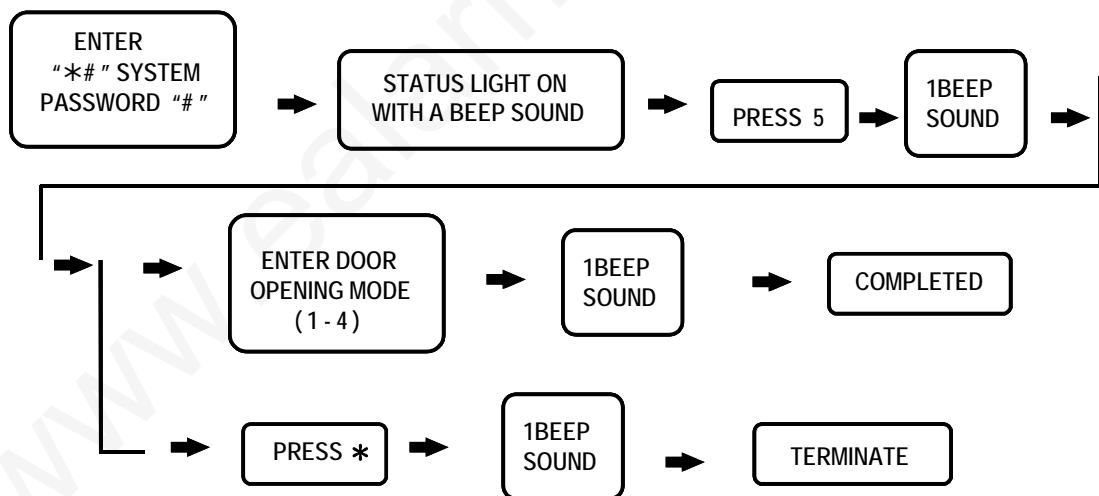
4. Door lock time setting : This setting is to determine its unlock time. Time can be set from 01-99 seconds.



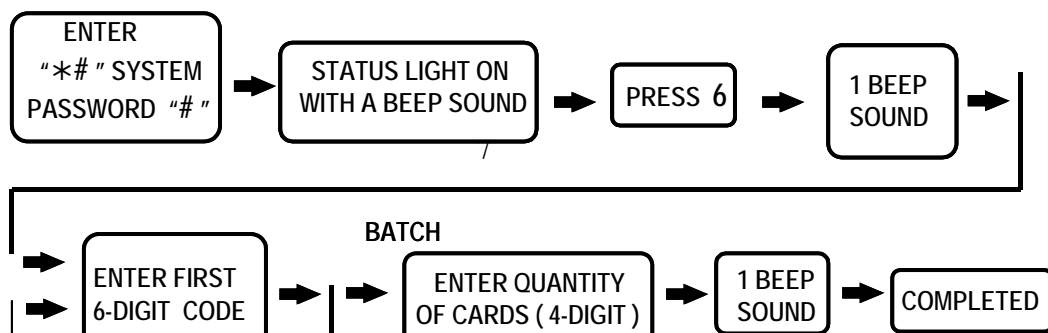
5. Setting identification modes:

There are 4 sets of door-opening modes. Users could only set one of the identification modes for access control. Its identification mode has been preset to proximity card door-opening.

- (1) Door opening based on 4-digit password (There are a total of 8 sets of user's password), mode number is 1.
- (2) Proximity card door opening, that is door will open when the card is sensed, mode number is 2.
- (3) Proximity card and enter 4-digit password door opening, mode number is 3.
- (4) Proximity card or enter 4-digit password door opening, mode number is 4.



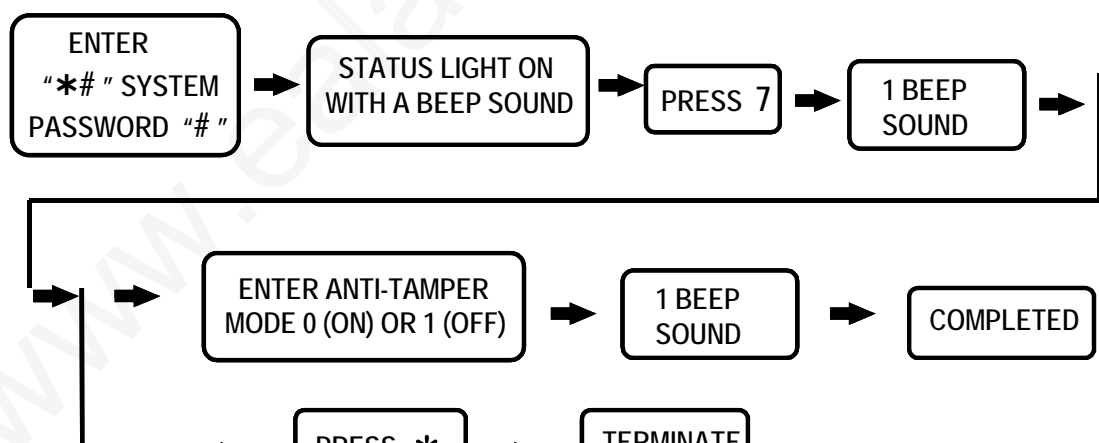
6. Batch registration : To be used for registering multiple cards and cards in series. Enter 6- digit card number, then enter amount of cards, in 4-digit manner (must be in full 4 digits, such as 100 pcs. , enter 0100). This system can also apply to single card entry.



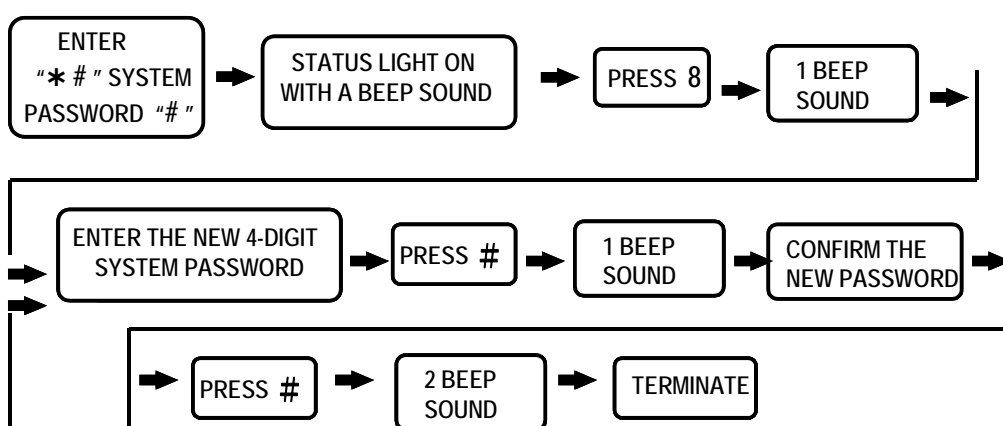
- 7. Anti-tamper output setting :** This reader has an anti-tamper output connecting point. There are two detection sources:
 (1) Damage to the proximity reader(tamper switch).
 (2) Damage to the door (must add detection wiring such as reed switch).

This function can be set whether door detection point is applied to activate the anti-tamper output:

- (1) 0 : ON
 (2) 1 : OFF

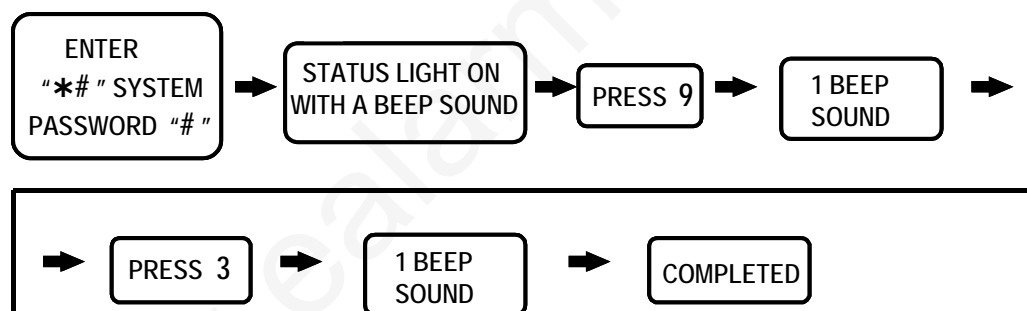


- 8. Change system password** PRESS * change password, this reader's password is being preset at 4567. Please note that this password is necessary to enter into the system setting mode.

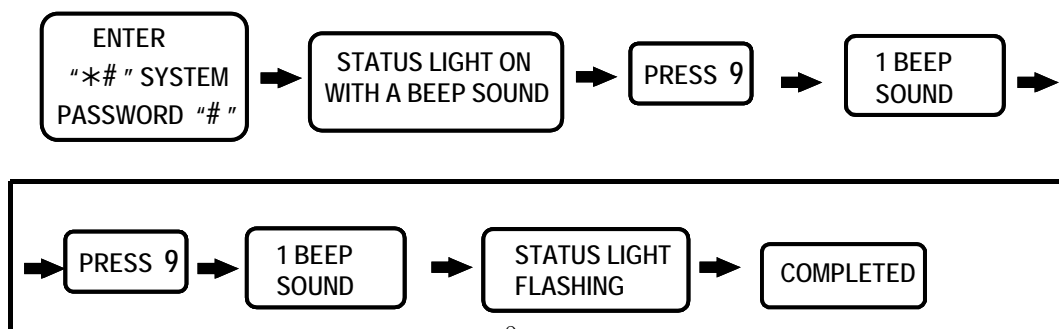


System password has been preset at 4567. Users should enter new 4-digit system password twice to complete change of system password.

- 9. Deletion of 8 sets of user's password :** Please note that this function will delete all the 8 set of user's passwords and cannot be retrieved.



- 10. Delete all cards :** Please note that this function will delete all registered card and cannot be retrieved.



11. Door opening (using system password) :

