

# ISC-101A



## User Manual



IDENTIFICATION DEVICE TECHNOLOGY, INC.

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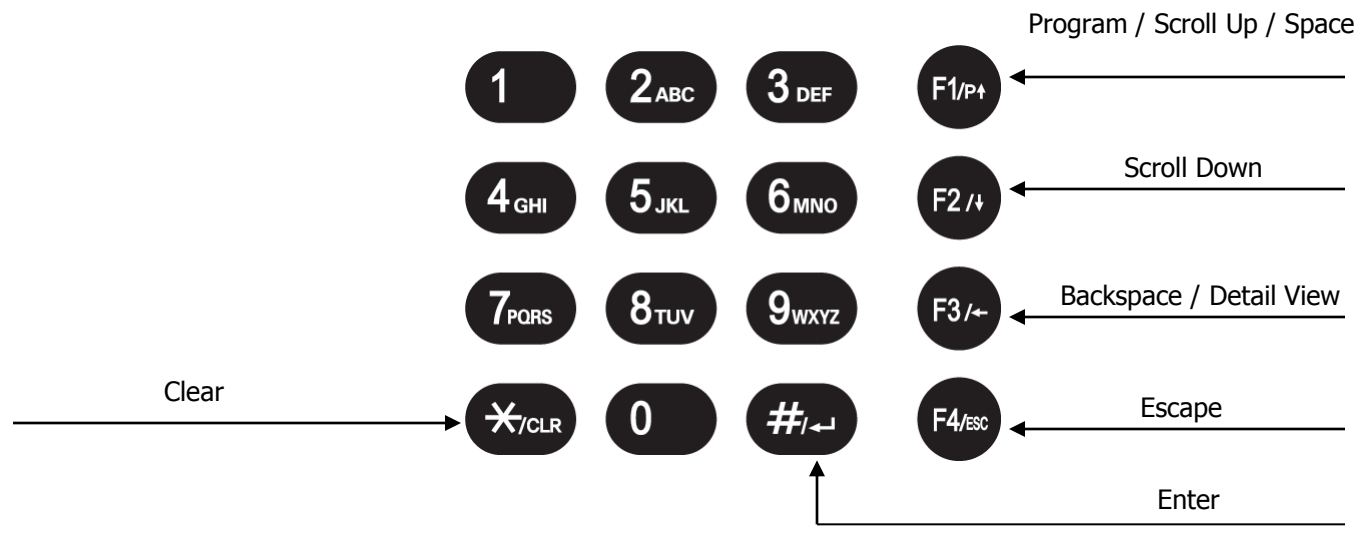
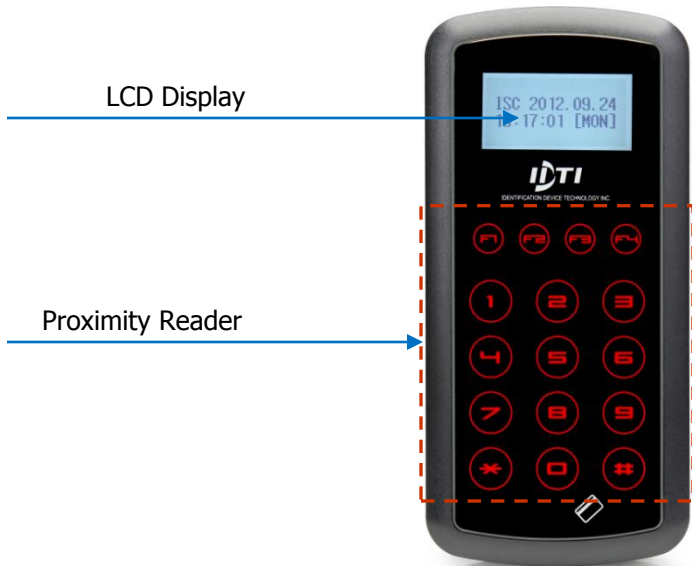
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# ISC-101A





## ISC-101A Descriptions

- ▶ User Registration : 100,000 Users
- ▶ Transaction Buffer : 614,000 Transactions
- ▶ CPU : 32bit MCU
- ▶ POWER : 12V DC 1A
- ▶ SIZE : H128 X W63 X D34mm
- ▶ Temperature : 0°C~50°C
- ▶ Humidity : 10%~90%
- ▶ Speed : 0.5~1Sec(1:1 authentication).
- ▶ Card Reading Length : ~10 cm
- ▶ Communication : RS-232 , TCP/IP, WIEGAND
- ▶ Input / Output : 2 In / 1 Out
- ▶ Material: ABS (Polycarbonate)

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# ENTERING THE SYSTEM MENU

When the reader is powered on with no user enrolled in the unit, anyone can enter the system menu by pressing the F1 key. If you are enrolling the first administrator card via the reader's keypad, you must first determine the 1~16 digit PIN that the administrator will use. Once this PIN is determined, the administrator must be present to enroll their card into the reader. Note that this operation is not valid if there are administrator card in the reader.

## If Administrator has been enrolled:

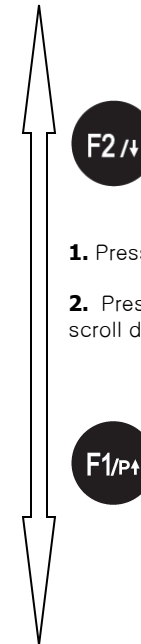
- |  |   |
|--|---|
| <b>BSC 2004.06.25</b><br><b>12:12:12 [FRI]</b> | 1. Press F1/P key to enter system mode.   |
| <b>ENTER ADMIN ID</b><br><b>12345678</b>       | 2. Key in administrator ID followed by the # key  |
| <b>PRESENT CARD</b>                            | 3. Present either card which ever administrator has been enrolled with. For now we will use the fingerprint.      |
| <b>MAIN PROGRAM</b><br><b>F1:UP F2:DN</b>      | 4. Now you're into system mode. Press F1 key to scroll up the main menu Press F2 key to scroll down the main menu |

## If Administrator has been enrolled :

- |  |   |
|--|---|
| <b>BSC 2004.06.25</b><br><b>12:12:12 [FRI]</b> | 1. Press F1/P key to enter system mode  |
| <b>MAIN PROGRAM</b><br><b>F1:UP F2:DN</b>      | 2. Now you're into system mode. Press F1 key to scroll up the main menu Press F2 key to scroll down the main menu |

## Lists of Main Menu

- |  |
|--|
| <b>1&gt; ENROLL USER</b><br><b>#:ENTER F4:ESC</b>  |
| <b>2&gt; EDIT USER</b><br><b>#:ENTER F4:ESC</b>    |
| <b>3&gt; VIEW</b><br><b>#:ENTER F4:ESC</b>         |
| <b>4&gt; DELETE</b><br><b>#:ENTER F4:ESC</b>       |
| <b>5&gt; SYSTEM SETUP</b><br><b>#:ENTER F4:ESC</b> |
| <b>6&gt; SENSOR SETUP</b><br><b>#:ENTER F4:ESC</b> |
| <b>7&gt; ALARM SETUP</b><br><b>#:ENTER F4:ESC</b>  |



1. Press F1/P key to enter system mode.
2. Press F1 key to scroll up, F2 key to scroll down the main menu



## NOTE :

BSC-101A factory default has no system administrator password. If you've just purchased the unit, you should be able to get into the system mode by pressing the F1 key. Go to ENROLL USER to enroll template or card.

# 1. ENROLL USER



**ENROLL CARD**

**ENROLL CARD BLOCK** – not delete currently enrolled user

**ENROLL CARD BLOCK 2** – delete enrolled user



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# ENROLL USER – 1.CARD

This command is used to add typical card only users to the reader so that they will be able to gain entry to the location guarded by the reader. Total number of users are 100,000 based on card users only. The enrollment procedure is identical to adding fingerprint.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**1> ENROLL USER**  
**#:ENTER F4:ESC**

2. Press the # key to select ENROLL USER menu

**1> ENROLL USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**ENROLL USER**  
**2.CARD**

4. Press the # key to add a user card

**LEVEL**  
**1:USER 2:ADMIN**

5. Select user level by pressing 1 or 2

**1 – 16 DIDTIS**  
**ENTER USER ID**

6. Key in user ID from 1 to 16 digits as shown in next figure.

**ENTER USER ID**  
**12345678**

7. Key in user ID followed by the # key

**PRESENT CARD**

8. Present user card to the reader or key in card number manually followed by the # key

**ENROLL COMPLETED**  
**CONT:# STOP:ANY**

9. Enroll completed. Press # key to continue adding card or press any other key to exit off the sub-menu

# ENROLL USER – 2.CARD BLOCK1

This command is used to Enrolling a range of cards, Block enrollment by card number range is best used when there is a large quantity of sequential ID numbered cards or credentials. Cards or credentials do not have to be on hand when enrolled through the block enrollment by card number range process, but you must have the facility code.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**1> ENROLL USER**  
**#:ENTER F4:ESC**

2. Press the # key to select ENROLL USER menu.

**1> ENROLL USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**1> ENROLL USER**  
**4.CARD BLOCK**

4. Press the # key to add block of card user

**START USER ID**

5. Enter in first number of the block ID. This will be the first ID number of the card as shown in the next figure

**ENTER USER ID**  
**1000**

6. Key in first user ID followed by the # key

**START USER CARD**

7. Enter in the first card number as shown below

**USER CARD**  
**1000**

8. Key in first card number followed by the # key

**REG. USER NUM**

9. Enter in the total number of cards to be enrolled as shown below.

**USER COUNT**  
**100**

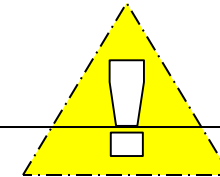
10. Key in total number of cards to be enrolled and press the # key.

**ENROLL USER 0001**  
**>>>**

11. Enrolling user card block. Please wait until the process finishes. This might take up to 5 minutes depending on the total number of card block size.

**ENROLL COMPLETED**  
**CONT:# STOP:ANY**

12. Enroll completed. Press the # key to continue adding another or press any others to exit off the sub-menu.



## NOTE :

This option will write block of cards in empty slot of the memory and will not delete currently enrolled user. Card Block 1 will take more time than card block2 since it will search for empty slots in memory to enroll. Consider using card block2 if the memory is empty or stored memory is no longer needed.

# ENROLL USER – 3.CARD BLOCK2

This command is used to Enrolling a range of cards, Block enrollment by card number range is best used when there is a large quantity of sequential ID numbered cards or credentials. Cards or credentials do not have to be on hand when enrolled through the block enrollment by card number range process, but you must have the facility code.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**1> ENROLL USER**  
**#:ENTER F4:ESC**

2. Press the # key to select ENROLL USER menu.

**1> ENROLL USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**1> ENROLL USER**  
**5.CARD BLOCK2**

4. Press the # key to add block of card user(type 2)

**START USER ID**

5. Enter in first number of the block ID. This will be the first ID number of the card as shown in the next figure

**ENTER USER ID**  
**1000**

6. Key in first user ID followed by the # key.

**START USER CARD**

7. Enter in the first card number as shown below

**USER CARD**  
**1000**

8. Key in first card number followed by the # key.

**REG. USER NUM**

9. Enter in the total number of cards to be enrolled as shown below.

**USER COUNT**  
**100**

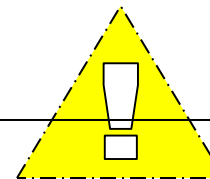
10. Key in total number of cards to be enrolled and press the # key.

**ENROLL USER 0001**  
**>>>**

11. Enrolling user card block. Please wait until the process finishes. This might take up to 5 minutes depending on the total number of card block size.

**ENROLL COMPLETED**  
**CONT:# STOP:ANY**

12. Enroll completed. Press the # key to continue adding another or press any others to exit off the sub-menu.



## NOTE :

This option will write block of cards in empty slot of the memory and will not delete currently enrolled user. Card Block 1 will take more time than card block2 since it will search for empty slots in memory to enroll. Consider using card block2 if the memory is empty or stored memory is no longer needed.

## 2. EDIT USER



**USER ID**  
**USER FINGERPRINT**  
**USER CARD**  
**USER LEVEL**  
**NAME**  
**USER ANTI-PASS**  
**OPTION**  
**USER TWO MAN**



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# EDIT USER – 1.USER ID

This command is used to edit existing users ID by accessing the user ID. When editing, Administrators have the ability to make changes to user ID only in this menu.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**2>EDIT USER**  
**#:ENTER F4:ESC**

2. Press the # key to select EDIT USER menu.

**2> EDIT USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**2> EDIT USER**  
**1. USER ID**

4. Press the # key to edit User ID

**ENTER USER ID**  
**12345678**

5. Key in user ID to be edited followed by the # key

**ENTER NEW ID**  
**87654321**

6. Key in new user ID followed by the # key

**EDIT COMPLETED**  
**CONT:# STOP:ANY**

7. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu

# EDIT USER – 2.CARD & 3.LEVEL

This command is used to edit existing users Card or Level by accessing the user ID. When editing, Administrators have the ability to make changes to user Card or Level only in this menu.

## 사용자 카드 (Card)

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**2>EDIT USER**  
**#:ENTER F4:ESC**

2. Press the # key to select EDIT USER menu.

**2> EDIT USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu.

**2> EDIT USER**  
**3.CARD**

4. Press the # key to edit user CARD

**ENTER USER ID**  
**12345678**

5. Key in user ID to be edited followed by the # key

**PRESENT NEW CARD**

6. Present new card to be enrolled or enter in the card number manually followed by the # key. Make sure the card has not been already enrolled in the BSC-101A..

**EDIT COMPLETED**  
**CONT:# STOP:ANY**

7. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu

## 사용자 레벨(Level)

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**2>EDIT USER**  
**#:ENTER F4:ESC**

2. Press the # key to select EDIT USER menu.

**2> EDIT USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**2> EDIT USER**  
**4.LEVEL**

4. Press the # key to edit user LEVEL

**ENTER USER ID**  
**12345678**

5. Key in user ID to be edited followed by the # key.

**LEVEL**  
**1:USER 2:ADMIN**

6. Select the user level to apply new level

**EDIT COMPLETED**  
**CONT:# STOP:ANY**

7. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu



# EDIT USER – 4.NAME

ISC-101A is able to display custom user name instead of user ID when accessed. When the ISC-101A is expecting a name then the number keys on the keypad become letter keys: the letters below the keys apply. Press once to show the first uppercase letter above the key; press four times to show the lowercase letter. When the desired letter appears on the display, press the up-arrow(F1) to move on to the next letter in the name.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**2>EDIT USER**  
#:ENTER F4:ESC

2. Press the # key to select EDIT USER menu.

**2> EDIT USER**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**2> EDIT USER**  
5.NAME

4. Press the # key to edit user NAME

**ENTER USER ID**  
12345678

5. Key in user ID to be edited followed by the # key.

**1:ENTER NAME**  
**2:SELECT DISPLAY**

6. Press 1 key to enter user name.  
This time select #2 to enter display option

**ENTER USER NAME**  
IDTi

7. Key in appropriate display name and then press the # key

**EDIT COMPLETED**  
CONT:# STOP:ANY

8. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu

**1:DISPLAY USERID**  
**2:DISPLAY NAME**

7. Select #2 to display ID by name. This will allow BSC-101A to display custom ID name instead of user ID

**EDIT COMPLETED**  
CONT:# STOP:ANY

8. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu

Ex) Edit "IDTi C"

**ENTER USER NAME**  
IDTi C



No of Key Press 3 times.

1time.

1time.

6 times

1time.

3times.

I

D

T

i

Space

C

# EDIT USER – 5.ANTI PASS

Anti pass-back is used to stop two people from using one card to gain access. This feature is designed to protect against tailgating. Once an access is granted to an IN reader, it must be presented to an OUT reader before another IN reader access is granted. In the event that the user did not read in at the IN reader, and tried to read out of an area, an anti-passback violation would occur. The violation may just log the event as an alarm condition, or may not allow the door to be released. Since users who fail to read IN and walk in with other employees may get stranded or locked in. System Anti-Passback must be enable in order for User Anti-passback to work properly.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**ENTER USER ID**  
**12345678**

5. Enter user ID to apply anti-pass

**2>EDIT USER**  
**#:ENTER F4:ESC**

2. Press the # key to select EDIT USER menu.

**EDIT OPTION**  
**1:ON 2:OFF 3:CLR**

6. Press 1 key to enable anti-pass  
Press 2 key to disable anti-pass  
Press 3 key to forgiveness.

**2> EDIT USER**  
**F1:UP F2:DN**

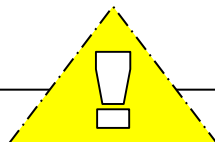
3. Press F1 or F2 key to select sub-menu

**EDIT COMPLETED**  
**CONT:# STOP:ANY**

7. Edit completed. Press the # key to continue adding another user fingerprint or press any others to exit off the sub-menu

**2> EDIT USER**  
**6.USER ANTI PASS**

4. Press the # key to enter USER ANTIPASS



## NOTE :

Anti-pass must be enabled in system setting. Before enabling the anti-pass in user setting, go to main menu 5.SYSTEM SETTING/submenu 12.ANTI PASS and enable the anti-pass for system.

When the system has detected an anti-pass user, that user will be denied the access to that location.

Administrator must clear that person of anti-pass by going into edit option and reset the anti-pass by selecting 3(CLR) forgiveness.

# EDIT USER – 6.OPTION ID

ID Option is a special mode where user can access the unit with ID only. When applied, user can override the current operating mode and access unit it with just an ID (PIN). This option can be applied to those users who does not have card. To apply this mode to user, follow the steps bellow.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**2>EDIT USER**  
**#:ENTER F4:ESC**

2. Press the # key to select EDIT USER menu.

**2> EDIT USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**2> EDIT USER**  
**7.OPTION (ID)**

4. Press the # key to enter OPTION (ID)

**ENTER USER ID**  
**12345678**

5. Enter user ID to apply ID option followed by the # key

**EDIT OPTION**  
**1:ON 2:OFF**

6. Press 1 key to enable ID option to this user  
Press 2 key to disable ID option to this user

**EDIT COMPLETED**  
**CONT:# STOP:ANY**

7. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu

# EDIT USER – 7.TWO MAN

This command prevents an individual user from entering a selected empty security area unless at least one other enrolled user is present. Once two enrolled users are logged into the area, other user can come and go individually, as long as at least two people are in the area. Conversely, when exiting, the last two occupants of the security area must exit out together. At no time will the system allow less than two users to be in the area.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**2>EDIT USER**  
**#:ENTER F4:ESC**

2. Press the # key to select EDIT USER menu.

**2> EDIT USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**2> EDIT USER**  
**8.USER TWO MAN**

4. Press the # key enter USER TWO MAN

**ENTER USER ID**  
**12345678**

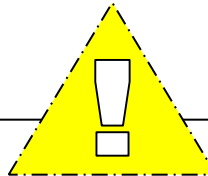
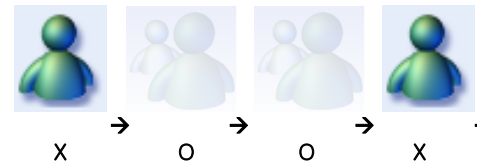
5. Enter user ID to apply two man function followed by the key.

**EDIT OPTION**  
**1:ON 2:OFF**

6. Press 1 to enable two man for this user  
Press 2 to disable two man for this user

**EDIT COMPLETED**  
**CONT:# STOP:ANY**

7. Edit completed. Press the # key to continue editing another or press any others to exit off the sub-menu



## NOTE :

Two Man must be enabled in system setting. After enabling User Two Man option, go to main menu 5.SYSTEM SETTING/submenu 13.TWO MAN and enable the TWO MAN for system.

# 3. VIEW



USER LIST  
EVENT DATA  
FIRMWARE VERSION  
FINGER VERSION



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# VIEW – 1.USER LIST

At any time, you can view a list of all users of the system. The list can be an overall enrollment list of all users in the system, or it can be a list of the individual users that are physically enrolled on any individual fingerprint reader. Total number of users are 12,000.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**3>VIEW USER**  
#:ENTER F4:ESC

2. Press the # key to select VIEW USER menu.

**3> VIEW USER**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**3> VIEW**  
**1.USER LIST**

4. Press the # key enter USER LIST

**LIST 10000/0000**  
F1:UP F2:DN

5. Press F1/P key to scroll up the user list  
Press F2 key to scroll down the user list

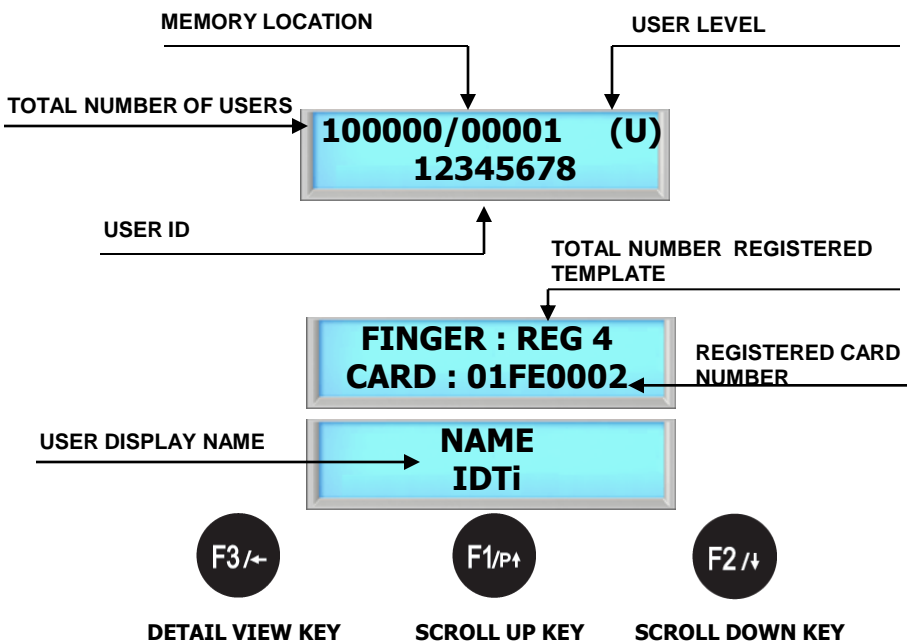
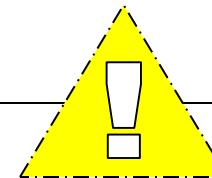
**10000/0001 (U)**  
**12345678**

6. Press F3 key to view detail view of user  
Press F4 key to exit off the sub-menu

**LIST VIEW EXIT**  
CONT:# STOP:ANY

7. View Exit. Press the # key to continue viewing another or press any others to exit off the sub-menu

## NOTE :



## Viewing System User List

The System User List will display the following information:

- . The user's PIN (User ID)
- . The user's name
- . The user's administrator status
- . The user's template location in memory

# VIEW – 2.EVENT

At any time, you can view all transaction of event logs of the system. A record created that contains pertinent information about an occurrence in the access control and monitoring system.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**3>VIEW USER**  
#:ENTER F4:ESC

2. Press the # key to select VIEW USER menu.

**3> VIEW USER**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**3> VIEW USER**  
**2.EVENT DATA**

4. Press the # key to enter view EVENT

**614000/01525**  
F1:UP F2:DN

5. Following event log will appear.  
Press F1 to scroll up the event log  
Press F2 key to scroll down the event log

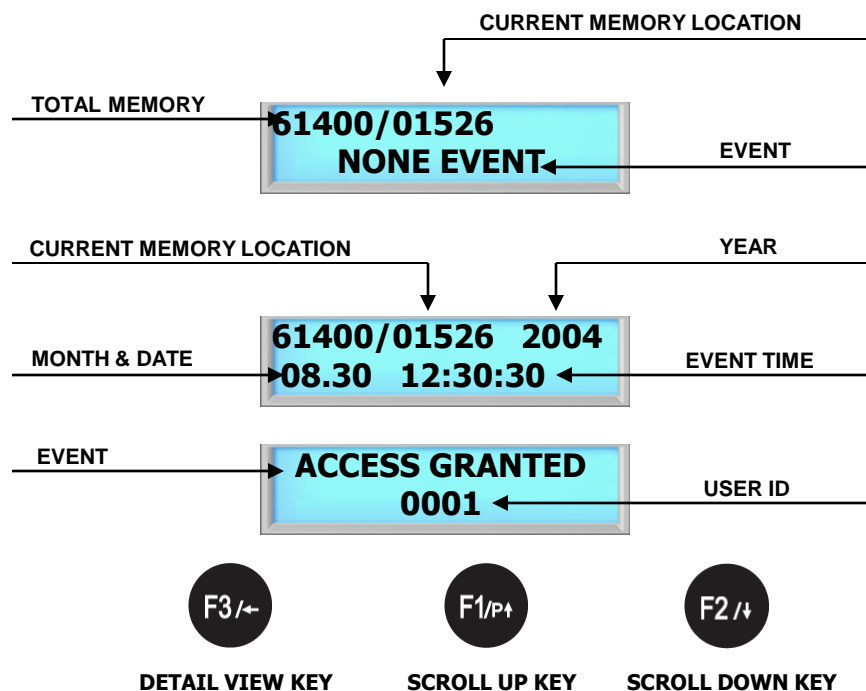
**614000/01526 2004**  
**08.30 12:30:30**

6. Press F3 key to view event data  
Press F4 key to exit off the sub-menu

**LIST VIEW EXIT**  
**CONT:# STOP:ANY**

7. View Exit. Press the # key to continue viewing another event or press any others to exit off the sub-menu

## NOTE :



## Viewing System Event Log

The System Event List will display the following information:

- . The date of event occurrence
- . The time of event occurrence
- . The total number of event log

# VIEW – 3.FIRMWARE

This is to view the current firmware version of ISC-101A. Other ways to verify the firmware is to resetting the device. When first booting up, firmware version will display.

## VIEW FRIMWARE VERSION

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**3>VIEW USER**  
**#:ENTER F4:ESC**

2. Press the # key to select VIEW USER menu.

**3> VIEW USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**3> VIEW**  
**3.FIRMWARE**

4. Press the # key to enter FIRMWARE VERSION

**BSC-101 VER 1.13**  
**2005. 01. 12**

5. Current firmware version number will display  
Press F4 key to exit off the sub-menu

**LIST VIEW EXIT**  
**CONT:# STOP:ANY**

6. Press # key to view firmware again  
Press any other key to exit.



## 4. DELETE USER



**DELETE SINGLE USER**  
**DELETE ALL USER**



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# DELETE – 1. SINGLE & 2.ALL

Deleting a fingerprint template from a reader will prevent that template from being granted access to the location via the reader. Any fingerprint template can be removed from a fingerprint reader, including administrative and the last remaining fingerprint template on the reader. Templates can be deleted by a single user or all users including administrative templates.

## DELETE SINGLE USER

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**4> DELETE USER**  
**#:ENTER F4:ESC**

2. Press the # key to select DELETE USER menu.

**4> DELETE USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**4> DELETE USER**  
**1.SINGLE USER**

4. Press the # key to enter delete SINGLE USER

**1 – 16 DIGITS**  
**ENTER USER ID**

5. Enter in user ID to be deleted as shown below

**ENTER USER ID**  
**12345678**

6. Enter in user ID from 1 to 16 digits

**DELETE COMPLETED**  
**CONT:# STOP:ANY**

7. Delete completed.  
Press # key to delete single user again  
Press any other key to exit

## DELETE ALL USER

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**4> DELETE USER**  
**#:ENTER F4:ESC**

2. Press the # key to select DELETE USER menu.

**4> DELETE USER**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**4> DELETE USER**  
**2.ALL USER**

4. Press the # key to enter delete ALL USER

**DELETE : '#'**  
**CANCEL : 'ANY'**

5. Press the # key to enter delete All User.  
Press any other key to cancel

**DELETING.....**  
**>>>>**

6. Deleting. Please wait....

**DELETE COMPLETED**  
**F1:UP F2:DN**

7. Delete completed.

# CHAPTER 2

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## 5. SYSTEM SETUP



TIME  
OPERATING MODE  
RE-LOCK TIME  
ADDRESS  
COMMUNICATION PASSWORD  
SITE CODE  
SYSTEM RESET  
EVENT RESET  
COM. SPEED  
DOOR RELAY

TWO MAN  
ANTIPASS  
DURESS  
DATE FORMAT  
CUSTOM DISPLAY  
LCD LIGHT  
CONCEAL PIN  
LOCK DOWN  
ATTENDENCE



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# SYSTEM SETUP – 1.TIME

ISC-101A features an internal clock that provides the date and time for all logged events. This section discusses how to set the date and time that ISC-101A uses for event logging. To set the current time, access the menu system and follow these steps.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2 Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
1.TIME

4. Press the # key to enter system Time

**YEAR:MON:DAY**  
2004 : 07 : 05

5. Enter current date followed by the # key

**HOUR:MIN:SEC**  
20 : 20 : 20

6. Enter current time followed by the # key

**1:SUN .. 7:SAT**  
SELECT 1-7

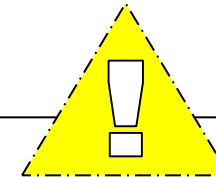
7. Select day of the week. Press 1 through 7 to enter day of the week. Refer to NOTE

**1:SUN ..7:SAT**  
[FRI] ENTER `#'

8. Press the # key to confirm.

**SETUP SOMPLETED**  
F1:UP F2:DN

9. Set up has completed



## NOTE :

Time format can be displayed in 3 types. Asian Time, European Time and American Time. After setting the current time, go to page and customized the time display option to view local time display.

Select the day of week:

Sunday	- 1
Monday	- 2
Tuesday	- 3
Wednesday	- 4
Thursday	- 5
Friday	- 6
Saturday	- 7



CLEAR KEY



ENTER KEY



ESCAPE KEY



BACK SPACE KEY

# SYSTEM SETUP – 2. OPERATING MODE

## OPERATION MODE :

ISC-101A has 11 total operating mode. List is the detail view of the operating modes available in ISC-101A.

**CARD / FP**  
**F1:UP F2:DN**

**CARD or FINGERPRINT :** User can access the device by either card or fingerprint. When operating in this mode, simply enter user card or fingerprint to the device.

**ID & FP / CD**  
**F1:UP F2:DN**

**PIN & FINGERPRINT or CARD :** In this mode, user can access the device by PIN with fingerprint or just a card. To operate in this mode, user must enter PIN first before entering finger or present user card.

**ID & CD & FP**  
**F1:UP F2:DN**

**PIN & CARD & FINGERPRINT :** User must use all three tokens to gain access. This is the highest security mode available in BSC-101A. To operate in this mode, first enter user PIN and press the # key, then present user card followed by user fingerprint.

**ID / CD / FP**  
**F1:UP F2:DN**

**PIN or CARD or FINGERPRINT (ANY MODE) :** User can access the device by any of the available tokens. This is the most convenient but lowest security mode in BioScan. To operate in this mode, simply use any one of the token.

**FP (ID&FP)**  
**F1:UP F2:DN**

**FINGER ONLY or ID & FINGER :** Fingerprint reader will be the only accessible device and user must enter using fingerprint. This is an 1:1 or 1:N verification. User also have an option to again access by entering user PIN and entering user fingerprint for faster.

**ID & FP**  
**F1:UP F2:DN**

**PIN & Fingerprint :** User must enter using user PIN & Fingerprint to access the unit. To operate in this mode, enter user PIN and press the # key followed by user fingerprint.

**CD & FP**  
**F1:UP F2:DN**

**Card & Fingerprint :** User must enter using user card & Fingerprint to access the unit. To operate in this mode, enter user card followed by user fingerprint.

**ID&FP / ID&CD**  
**F1:UP F2:DN**

**PIN & Fingerprint or PIN & Card :** In this mode user can access the device by entering user PIN and fingerprint or user PIN and card. This mode is useful when networked with a proximity readers.

**ID&FP / CD&FP**  
**F1:UP F2:DN**

**PIN & Fingerprint or Card & Fingerprint :** In this mode user can access the device by using PIN with fingerprint or card with fingerprint.

**OPEN**  
**F1:UP F2:DN**

**ALWAYS OPEN :** Access point will stay open for an emergency such as fire.

**CLOSED**  
**F1:UP F2:DN**

**ALWAYS CLOSE :** Access point will stay locked for an emergency such as intrusion.

**TESTING MODE**  
**F1:UP F2:DN**

**Testing Mode :** It will be a good idea to test the unit in this mode when first installed.

# SYSTEM SETUP – 2.OPERATING MODE

This section provides information about how to choose the operation mode. ID/CD/FP (ALL) is the default operating mode.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**2.OPERATING MODE**

4. Select OPERATING MODE followed by the # key

**SELECT MODE**  
F1:UP F2:DN

5. Press F1 key to scroll up the mode menu  
Press F2 key to scroll down the mode menu

**[CD] [FP]**  
F1:UP F2:DN

6. Press the # key to select operating mode.

**SETUP COMPLETED**  
F1:UP F2:DN

7. Setup completed

**SELECT MODE**  
F1:UP F2:DN

List of operating modes to choose.  
Select from the following list.

**CARD / FP**  
F1:UP F2:DN

**ID & FP / CD**  
F1:UP F2:DN

**ID / CD / FP**  
F1:UP F2:DN

**ID&FP / ID&CD**  
F1:UP F2:DN

**OPEN**  
F1:UP F2:DN

**CLOSED**  
F1:UP F2:DN

**TESTING MODE**  
F1:UP F2:DN

# SYSTEM SETUP – 3.RE-LOCK TIME, 4.ADDRESS

**3. RE-LOCK TIME :** This is the maximum duration that the lock release relay will be energized. The relay is de-energized if the door opens before this time has expired. The lock time can be set in the range 01~99 seconds. You cannot set a lock time of 0 seconds. Default is 3~5 seconds.

**4. ADDRESS –** Communication options allow ISC-101A to communicate with a PC and other door control equipment. In network applications, ISC-101A units communicate with a connected PC. This requires each unit to have a unique identification code. To assign a Network ID, follow the steps listed below: Repeat this procedure for each networked unit, assigning a unique identification code to each unit. Default address is set to 1.

## RE-LOCK TIME

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
3.RE-LOCK TIME

4. Press the # key to enter Re-Lock Time

**LOCK TIME SETUP**  
C : 04: S :

5. Key in Re-Lock Time from 1 to 99 second followed by the # key. C stands for current set time, sample show 4 second.

**SETUP SOPLETED**  
F1:UP F2:DN

6. Setup has completed

## ADDRESS

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**1> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
4.ADDRESS

4. Press the # key to enter ADDRESS

**1 .. 14 setup**  
C : 01 s :

5. Key in from 1 ~ 14 followed by the # key. You can assign network ID from 1 through 14. C stands for current setting. Default setting is set to address 1.

**SETUP SOPLETED**  
F1:UP F2:DN

6. Setup has completed



# SYSTEM SETUP – 5.COM. PASSWORD, 6.SITE CODE

**5. COMMUNICATION PASSWORD :** Communication password is used during network communication. This safeguards the information sent during transmission and also from hacking the system.

**6. SITE CODE :** A site code, which is sometimes called a facility code, differentiates one users card group from another. A facility code is an integral code that is programmed into the card at the time of manufacture. Facility codes overcome this limitation adding a second code which is checked at the reader.

## COMMUNICATION PASSWORD

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**5.COM. PASSWORD**

4. Press the # key to enter COM. PASSWORD

**0-99999999 setup**  
C: FFFFFFFF

5. Current password is displayed. Enter new password as show in next figure

**COM. PASSWORD**  
**12345678**

6. Key in the 8 digit password and press the # key to confirm new password

**SETUP SOPLMATED**  
F1:UP F2:DN

7. Setup has completed

## SITE CODE

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**6.SITE CODE**

4. Press the # key to enter SITE CODE.

**1.EM.S. 26 Bit**  
F1:UP F2:DN

5. Select the card type followed by the # key

**2.HID.S. 26 Bit**  
F1:UP F2:DN

1. EM 26bit : 0~255

2. HID Standard 26bit : 0~255

3. HID Full binary 26bit : None

**3.HID.Full 26Bit**  
F1:UP F2:DN

4. HID 34bit : 0~65535

5. Mifare 32 bit : None

**4.HID.IDTi 34Bit**  
F1:UP F2:DN

**5.MIFARE. 32 Bit**  
F1:UP F2:DN

**0 ..255 SETUP**  
C : 255 S :

5. "C" stands for current site code which is 255. Enter from 0 to 255 and press the # key. Default setting is 255

**SETUP SOPLMATED**  
F1:UP F2:DN

6. Setup has completed

# SYSTEM SETUP – 7.SYSTEM RESET, 8.EVENT RESET

**7. System Reset :** There are two databases inside the ISC-101A, System Database & Event Database. The System Database stores the system setting information. When executed, the system reset will restore the factory default setting.

**8. Event Reset :** The Event Database only stores the access records. It does not contain any system information. When executed, event reset will erase all event logs that are stored in the memory.

## SYSTEM RESET

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

5> **SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

5> **SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

5> **SYSTEM SETUP**  
7.**SYSTEM RESET**

4. Press the # key to enter SYSTEM RESET

**SYSTEM RESET ?**  
YES:1 NO:ANY

5. Press 1 to reset system  
Press any other key to cancel

**SYSTEM RESET**  
>>>

6. System resetting message. This may take few seconds to a minute depending on the size of the database

**COMPLETED**  
F1:UP F2:DN

7. System reset has completed

## EVENT RESET

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

5> **SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

5> **SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

5> **SYSTEM SETUP**  
8.**EVENT RESET**

4. Press the # key to enter SEVENT RESET.

**EVENT RESET :1**  
**INDEX RESET :2**

5. Press 1 key to reset event  
Press 2 key to reset index

**EVENT RESET ?**  
YES:1 NO:ANY

6. Press 1 key to reset  
Press any other keys to cancel

**INDEX RESET ?**  
YES:1 NO:ANY

**EVENT RESET**  
>>>

7. Event resetting message. This may take few seconds to a minute depending on the size of the database

**COMPLETED**  
F1:UP F2:DN

8. Event Reset has finished

# SYSTEM SETUP – 9. COM. SPEED, 10. DOOR RELAY

**9. COM.SPEED** – This command sets the baud rate that the ISC-101A will communicate with the device connected to its serial port. The baud rate change will become effective immediately upon completion of the command. Default baud rate is 19,200.

**10. DOOR RELAY** – The relay output is Normally Open (N.O.), and toggles shorted when triggered by an event, such as an authentication or ID failure. The relay can be used to send power to switched items like electric door strikes, door handles, magnetic hold locks1, or indicators.

## COMMUNICATION SPEED

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
10.COM. SPEED

4. Press the # key to enter COM.SPEED.

**SELECT SPEED**  
F1:UP F2:DN

5. Press F1 key to scroll up the list  
Press the F2 key to scroll down the list

**1. 4800 b-rate**  
F1:UP F2DN

**2. 9600 b-rate**  
F1:UP F2DN

**3. 19200 b-rate**  
F1:UP F2DN

**4. 38400 b-rate**  
F1:UP F2DN

6. Press the # key to select the communication speed

**SETUP COMPLETED**  
F1:UP F2:DN

7. Setup has completed

## DOOR RELAY

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. # 키를 눌러 SYSTEM SETUP(시스템 설정) 메뉴를 선택.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
11.DOOR (RELAY)

4. Select DOOR(RELAY) followed by the # key

**RELAY1Sel 1-Door**  
**2-Alarm 3-L.D**

6. 1 for Door, 2 for Alarm and 3 for Lock Down.

**SETUP COMPLETED**  
F1:UP F2:DN

7. Setup has completed

# SYSTEM SETUP – 11. TWO MAN, 12. ANTIPASS

**11. TWO MAN :** This command prevents an individual user from entering a selected empty security area unless at least one other enrolled user is present. Once two enrolled users are logged into the area, other user can come and go individually, as long as at least two people are in the area. Conversely, when exiting, the last two occupants of the security area must exit out together. At no time will the system allow less than two users to be in the area.

**12. ANTIPASS :** Anti pass-back is used to stop two people from using one card to gain access. If access is denied because of this, this will result in an alarm message to the printer. It may also result in a relay being energized if you have programmed one to do so. This is a system anti-pass setting and user anti-pass setting also must be enabled in order for it to work properly.

## TWO MAN

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**12.TWO MAN**

4. Press the # key to enter Two Man

**ENABLE TWOMAN**  
1:YES 2:NO

5. Press 1 key to enable two man  
Press 2 key to disable two man

**ENTER NUM 1-99**  
C : 20 S :

6. This is the time limit for the second user to make verification to the reader after first user has been verified. "C" Stands for current setting. Key in from 1 to 99 seconds and press the # key

**SETUP COMPLETED**  
F1:UP F2:DN

7. Setup has completed

## ANTI PASS

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**13.ANTIPASS**

4. Press the # key to enter Antipass

**ENABLE ANTIPASS?**  
1:YES 2:NO

5. Press 1 key to enable anti pass  
Press 2 key to disable anti pass

**SETUP COMPLETED**  
F1:UP F2:DN

6. Setup has completed

# SYSTEM SETUP – 13. DURESS

Duress is a condition whereby a user may be confronted by an intruder in an effort to gain access to a secure area. The user can "secretly" signal security that he is entering the secure area under "duress" through the implementation of a duress feature. This function must be used with a function key in order to work

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
**#:ENTER F4:ESC**

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**13.DURESS**

4. Press the # key to enter DURESS

**ENABLE DURESS?**  
**YES: 1 NO:2**

5. Press 1 key to enable duress  
Press 2 key to disable duress

**ENTER NUM F2,F4**

6. Key in F2 or F4 to assign duress key.  
For now we will key in F2 key

**ENTER FUNCTION**  
**F2 :**

7. Key in from 0 to 9 followed by # key.

**SETUP COMPLETED**  
**F1:UP F2:DN**

8. Setup completed

# SYSTEM SETUP – 14. DATE FORMAT

ISC-101A features option to choose time format which are available in Asia time, USA time, and Europe time. This is where user can customize time format. This section discusses how to choose time format.



NOTE :

**BSC 2004.09.09**  
**17:50:30 [THU]**

**ASIA** Time display format

**BSC 08.30.2004**  
**12:30:30 [THU]**

**USA** Time display format

**BSC 30.08.2004**  
**12:30:30 [THU]**

**EUROPE** Time display format

**IDTi**  
**12:30:30 30/08**

**CUSTOM 1** Time display format with Europe date format. Date is displayed before the month

**IDTi**  
**12:30:30 08/30**

**CUSTOM 2** Time display format with American date format. Month is displayed before the date

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
**#:ENTER F4:ESC**

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**14.DATE FORMAT**

4. Press the # key to enter DATE FORMAT

**SELECT DISPLAY**  
**F1:UP F2:DN**

5. Press F1 key to scroll up the list  
Press F2 key to scroll down the list

**1: ASIA**  
**YYYY.MM.DD**

**2: USA**  
**MM.DD.YYYY**

**3: EUROPE**  
**DD.MM.YYYY**

**4: CUSTOM1**  
**Message DD/MM**

**5: CUSTOM1**  
**Message MM/DD**

6. Select the right time format for your region

**EDIT COMPLETED**  
**F1:UP F2:DN**

7. Time format has been set

# SYSTEM SETUP – 15. CUSTOM DISPLAY

ISC-101A features option to customize the display. BSC-101A Allows up to 32 characters to be displayed. This is where user can customize main display window. This section discusses how to edit custom display.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**15.CUSTOMDISPLAY**

4. Press the # key to enter CUSTOM DISPLAY

**EDIT DISPLAY**  
**IDTi**

5. Key in alphabet and press the F1 key to move on to the next letter. To get an lowercase, continue pressing the key until the lowercase letter appears.

**EDIT CONTINUE?**  
1: YES 2: NO

6. If the message is longer than 16 digits, press 1 key to continue on writing the message. Otherwise press 2 to end writing custom message

**EDIT DISPLAY**  
**IDTi**

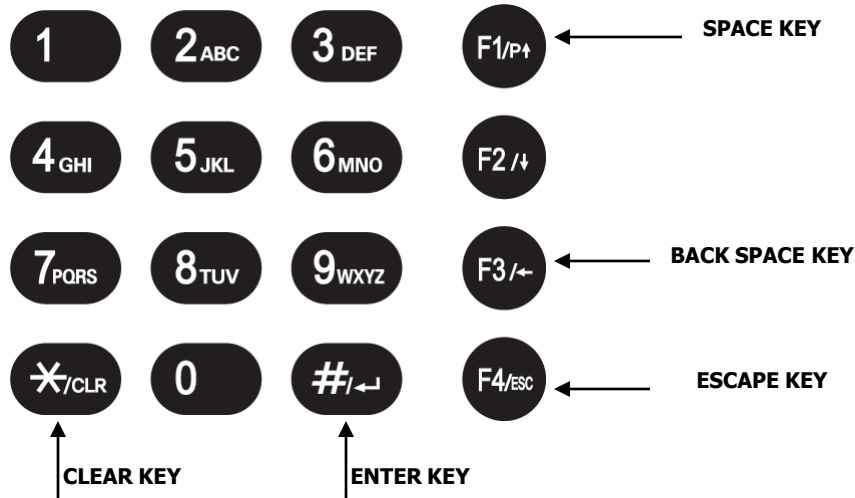
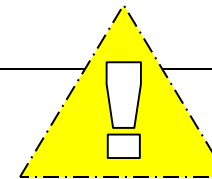
7. Continue on writing the message

**EDIT COMPLETED**  
F1:UP F2:DN

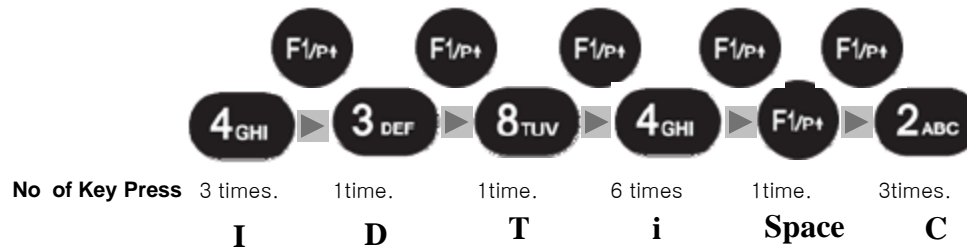
8. Finished editing the custom message

## NOTE :

### NAVIGATION KEYS



### Ex) Edit "IDTi C"



# SYSTEM SETUP – 16. LCD LIGHT

ISC-101A allows you to choose whether the display will be illuminated or unlit. By default, the display is lit for 5 seconds when used. Illuminating the display allows for easier viewing in darker areas while leaving the display unlit conserves power. This section provides information about how to set illumination options for the ISC-101A's display unit.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
**#:ENTER F4:ESC**

2. Press the # key to select SYSTEM SETUP menu.

**1> SYSTEM SETUP**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**16.LCD LIGHT**

4. Press the # key to enter LCD LIGHT

**1: DEFAULT**  
**LCD LIGHT TIME**

5. Press the # key to set it as default time  
Press F1 to scroll up the menu  
Press F2 to scroll down the menu

**EDIT COMPLETED**  
**F1:UP F2:DN**

6. Finished editing LCD back light time

**3. CUSTOMIZE**  
**LCD LIGHT TIME**

6. Press the # key to set it as customize  
Press F1 to scroll up the menu  
Press F2 to scroll down the menu

**S HOUR:MIN:SEC**  
: :

7. Define the start time of LCD. LCD will turn on according to this time setting.  
Key in military time format.

**E HOUR:MIN:SEC**  
: :

8. Define the end time of LCD. LCD will turn off according to this time setting.  
Key in military time format.

**NOTE :**

3 types of LCD option:

Default : LCD will stay lit for 5 seconds.

Always ON : LCD will illuminated all times.

Customize : You can set schedule time for LCD to turn on and turn off.





# SYSTEM SETUP – 17. CONCEAL PIN

ISC-101A allows you to conceal user PIN when entering the device. To hide user PIN when entering the device, follow the instructions below.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
**#:ENTER F4:ESC**

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**17.CONCEAL PIN**

4. Press the # key to enter CONCEAL PIN

**CONCEAL SETUP**  
**1:YES 2:NO**

5. Press 1 key to enable conceal PIN  
Press 2 key to cancel the conceal PIN

**Enabled Already**

**CONCEAL CANCEL**  
**1:YES 2:NO**

5. Press 1 key to cancel conceal PIN  
Press 2 key to enable the conceal PIN

**SETUP COMPLETED**  
**F1:UP F2:DN**

6. Setup has completed

Concealed User PIN View

**(U) WELCOME**  
**\*\*\*\*\***

Result of authentication

**ENTER USER ID**  
**\*\*\*\*\*1**

Actual view during entrance

Normal View

**(U) WELCOME**  
**00002**

# SYSTEM SETUP – 19. LOCK DOWN

ISC-101A features option to use a auxiliary relay to arm/disarm an external alarm system called the lockdown. This section discusses how to enable lockdown device.

1

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
**#:ENTER F4:ESC**

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**19. LOCK DOWN**

4. Press the # key to enter LOCK DOWN

**LOCK DN ENABLE ?**  
**1:YES 2:NO**

5. Press 1 key to enable lockdown  
Press 2 key to disable lockdown

**Enabled Already**

**LOCK DN DISABLE ?**  
**1:YES 2:NO**

5. Press 1 key to disable lockdown  
Press 2 key to enable lockdown

**FUNC KEY NABLE ?**  
**1:YES 2:NO**

6. Press 1 key to enable function key  
Press 2 key to disable function key

**SETUP COMPLETED**  
**F1:UP F2:DN**

7. Setup has completed

2

Select Main Menu **5. SYSTEM SETUP**, Sub Menu **10.DOOR (RELAY)**, and set to L.D(Lock Down).

3

Select Main Menu **7. SENSOR SETUP** – Sub Menu **2.FUNCTION** and set the function of sensor to Lock Down

# SYSTEM SETUP – 20. ATTENDANCE

ISC-101A features option to display IN or OUT when function keys are used. User must be aware of the current attendance mode that is displayed in the standby display. Last used attendance mode will be the default mode until the next mode is used. If F2-0 is used the last time, then unless second user uses a different function key, it will show as F2-0 even if second user do not press any function key.

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**5> SYSTEM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select SYSTEM SETUP menu.

**5> SYSTEM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**5> SYSTEM SETUP**  
**20.ATTENDANCE**

4. Press the # key to enter ATTENDANCE

**ATTENDANCE SETUP**  
1:YES 2:NO

5. Press 1 to setup attendance  
Press 2 to cancel setup

**SETUP COMPLETED**  
F1:UP F2:DN

6. Setup has completed

## Standby LCD Display

F2-0	<b>IN 2005.12.27</b> <b>16:17:59 [TUE]</b>	ATTEND
F4-0	<b>OUT 2005.12.27</b> <b>16:17:59 [TUE]</b>	LEAVE
F2-1	<b>E-IN 2005.12.27</b> <b>16:17:59 [TUE]</b>	RETURN
F2-2	<b>E-OUT 2005.12.27</b> <b>16:17:59 [TUE]</b>	OUT

## Access Granted Display

F2-0	<b>(U) &lt; I N &gt; F2:0</b> <b>123456</b>	ATTEND
F4-0	<b>(U) &lt; O U T &gt; F4:0</b> <b>123456</b>	OUT
F2-1	<b>(U) &lt; EX-IN &gt; F2:1</b> <b>123456</b>	RETURN
F2-2	<b>(U) &lt; EX-OUT F2:2</b> <b>123456</b>	OUT

# 6. SENSOR SETUP



INPUT TYPE  
FUNCTION



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# SENSOR SETUP – 1. INPUT TYPE

The sensor inputs are factory defaulted to Normally Open (N.O.). This section show how to change the sensor input to either N.O. or N.C.

**MAIN PROGRAM**  
**F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**7> SENSOR SETUP**  
**#:ENTER F4:ESC**

2. Press the # key to select SENSORSETUP menu.

**7> SENSOR SETUP**  
**F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**7> SENSOR SETUP**  
**1.INPUT TYPE**

4. Press the # key to enter Input Type

**SELECT SENSOR**  
**ENTER NUM: 1-2**

5. Select from 1 though 2 followed by the # key

**SENSOR1 N/O**  
**1:N/O 2:N/C**

6. Press 1 key to N/O (stands for Normal Open)  
Press 2 key to N/C (stands for Normal Close)

**SETUP COMPLETED**  
**CONT:# STOP:ANY**

7. Setup has completed

# SENSOR SETUP – 2.FUNCTION

These are the sensor inputs found in ISC-101A control panel that control external devices. There are 2 sensor inputs in ISC-101A and all of them can be programmed to handle different types of external sensors from the system menu.



## NOTE :

**SELECT SENSOR  
ENTER NUM: 1-2**

Default set for 2 sensors

**SLEECT FUNCTION  
F1:UP F2:DN**

Select function of sensor

**SENSOR1 1.EXIT  
1:SETUP 2:CANCEL**

**0. INACTIVE  
F1:UP F2:DN**

**SENSOR2 2.ALARM  
1:SETUP 2:CANCEL**

**1. EXIT  
F1:UP F2:DN**

**2. ALARM  
F1:UP F2:DN**

**3. FIRE ALARM  
F1:UP F2:DN**

**4. LOCK  
F1:UP F2:DN**

**5. DOOR CONTACT  
F1:UP F2:DN**

**6. INTRUSION  
F1:UP F2:DN**

**7. LOCK DOWN  
F1:UP F2:DN**

**MAIN PROGRAM  
F1:UP F2:DN**

1. Press F1/P key to enter system mode.

**7> SENSOR SETUP  
#:ENTER F4:ESC**

2. Press the # key to select SENSOR SETUP menu.

**7> SENSOR SETUP  
F1:UP F2:DN**

3. Press F1 or F2 key to select sub-menu

**7> SENSOR SETUP  
2.FUNCTION**

4. Press the # key to enter FUNCTION

**SELECT SENSOR  
ENTER NUM: 1-2**

5. Select from 1 though 2 followed by the # key

**SENSOR1 1.EXIT  
1:SETUP 2:CANCEL**

6. Default is set as EXIT. You can customize the function as show in the note

**SELECT FUNCTION  
F1:UP F2:DN**

7. Press F1 key to scroll up the list of functions  
Press F2 key to scroll down the list . Refer to note for the complete list of functions.

**SETUP COMPLETED  
CONT.:# STOP:ANY**

8. Setup has completed

# 7. ALARM SETUP



ALARM SETUP



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# ALARM SETUP

There are six sensor inputs and 1 relay on ISC-101A. Relays is used for the lock, depending on the configuration

There is no programming function for alarms what you program is what happens when a specific alarm occurs. There are two things that can happen as a result of an alarm:

- an alarm may result in a message to the speaker (Buzzer).
- an alarm may also cause a relay to come on (Relay).

ISC-101A has an output to activate a sounder but also equipped with relays that can be controlled from a command station, by some type of system activity. These sensor inputs & relays can allow you to perform many functions such as motion sensor or as a means of interfacing with a home automation system. Only the internal sensors will be activated unless other sensors are connected and configured in Sensor Setup. Relay must be connected to use the alarm.



# ALARM SETUP

**MAIN PROGRAM**  
F1:UP F2:DN

1. Press F1/P key to enter system mode.

**8> ALARM SETUP**  
#:ENTER F4:ESC

2. Press the # key to select ALARM SETUP menu.

**8> ALARM SETUP**  
F1:UP F2:DN

3. Press F1 or F2 key to select sub-menu

**8> ALARM SETUP**  
1.CASE OPEN

4. There are total of 12 alarms. Refer to Fig 1 Alarm List on the left for complete list.

**ALARM SETUP ?**  
1:SETUP 2: CANCEL

5. Press 1 key to setup Alarm  
Press number 2 key to cancel.

**SELECT FUNCTION**  
F1:UP F2:DN

6. Press F1 key to scroll up  
Press F2 key to scroll down the list of functions.

**BUZZER&RELAY**  
1.BUZZER&RELAY

7. There are total of 4 sounder options.  
Refer to fig 2 list of sounder options.  
For now we will select 1 Buzzer & Relay

**SETUP COMPLETED**  
F1:UP F2:DN

8. Alarm setup finished.

**8> ALARM SETUP**  
F1:UP F2:DN

(Fig 1) List of the Alarm

**8> ALARM SETUP**  
1.CASE OPEN

**8> ALARM SETUP**  
2.INTRUSION

**8> ALARM SETUP**  
3.FORCE OPEN

**8> ALARM SETUP**  
4.ALARM SENSOR

**8> ALARM SETUP**  
5.FIRE

**8> ALARM SETUP**  
6.DURESS

**8> ALARM SETUP**  
7.LINE TROUBLE

**8> ALARM SETUP**  
8.BOLT OPEN

**8> ALARM SETUP**  
9.DOOR HELD

**8> ALARM SETUP**  
10.LOCK HELD

**8> ALARM SETUP**  
11.ALARM TIME

**8> ALARM SETUP**  
12.ALARM OFF

**SELECT FUNCTION**  
F1:UP F2:DN

(Fig 2) List of the output

**BUZZER&RELAY**  
1.BUZZER&RELAY

Buzzer and Relay will be activated

**BUZZER&RELAY**  
2.BUZZER ONLY

Buzzer will be activated

**BUZZER&RELAY**  
3. RELAY ONLY

Relay will be activated

**BUZZER&RELAY**  
4. INACTIVE

Alarm is inactive