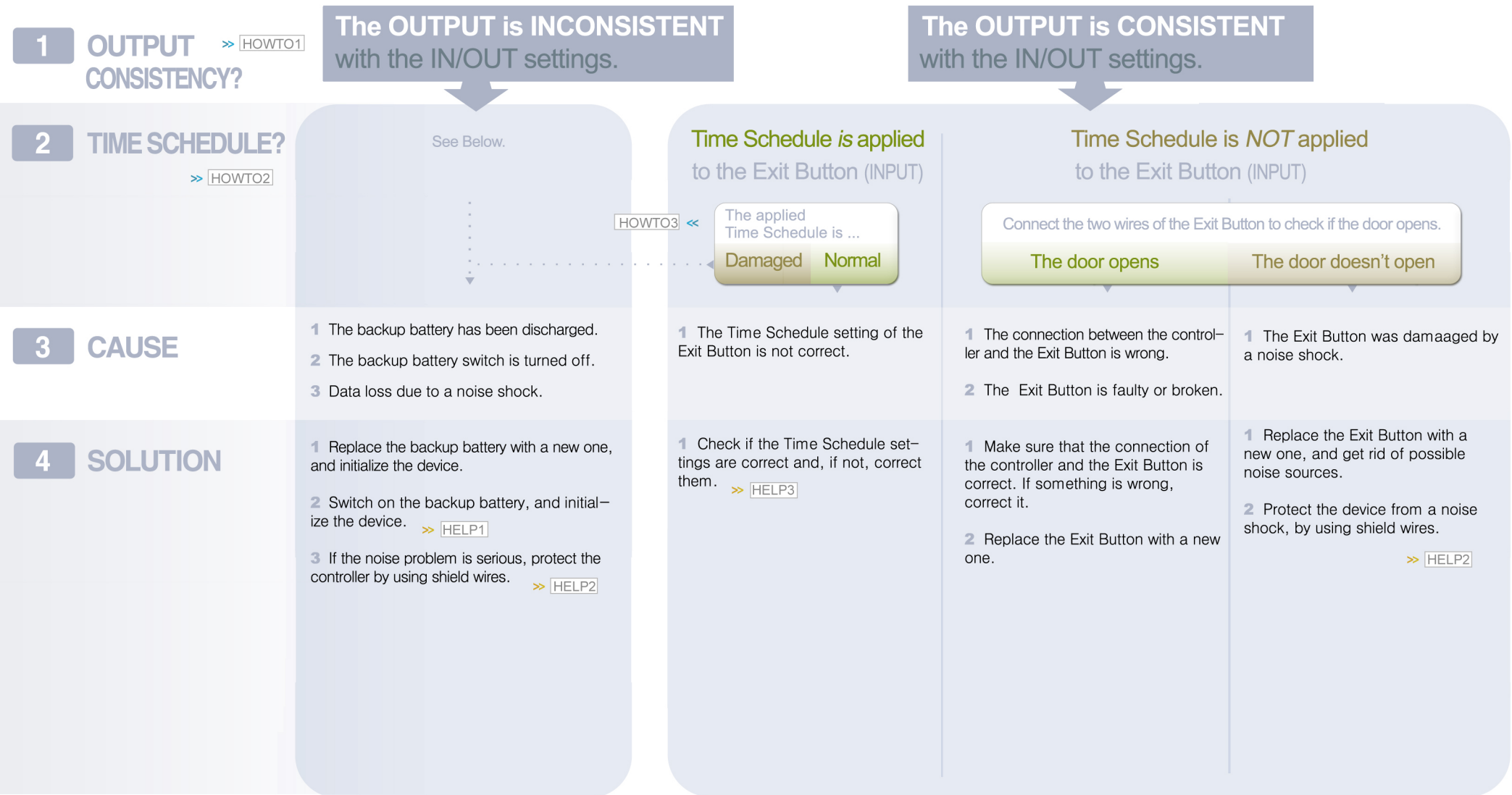


The door won't open when the exit button is pressed.



APPLICABLE MODELS

FINGER007 Series : FINGER007 / FINGER007SR / IP-FINGER007 / FINGER007P
 505 Series : 505R / 505M / RFK505 / IP-505R
 iTDC Series : iTDC / iTDC-SR / iTDC-EL
 iCON Series : iCON100 / iCON100-SR

HELP1

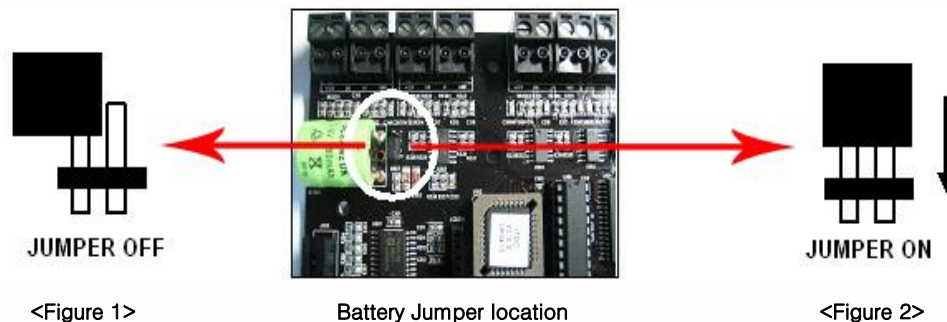
Switch on the backup battery, and initialize the device.

There is a switch for a backup battery inside the device. In order to prevent the backup battery from being discharged, the switch for the backup battery is open (*i.e.* turned off) at the time of shipment. To use the device, however, the switch must be turned on, so that the data recorded in RAM memory can be kept over time. Follow the instructions below, according to the model that you are using.

1. iTDC Series, iCON Series

1) Backup Battery Switch Setting

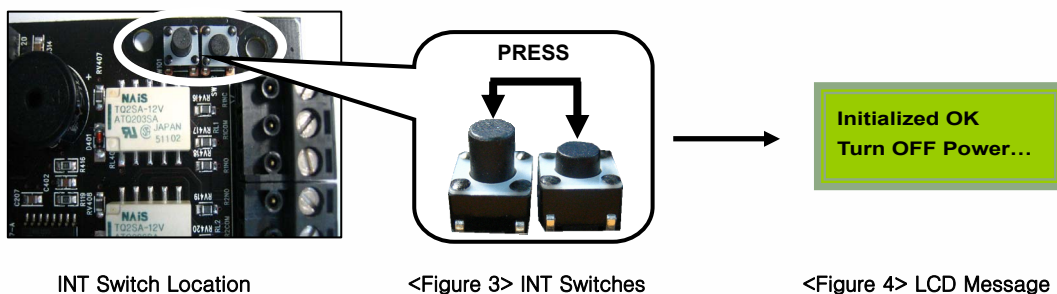
- The Battery Jumper is originally left disconnected as shown in <Figure 1> to prevent battery discharge.
- During installation, you have to connect the Battery Jumper as shown in <Figure 2>, so that the Controller can retain data in the event of power failure.



2) Initialization

► If an LCD module is connected to the iTDC,

- Apply DC power to the Controller and press the two INT Switches simultaneously. <Figure 3>
- The LCD will display "Initialized OK Turn OFF Power...". <Figure 4>
- Power OFF and ON again. The Controller is now ready to work.

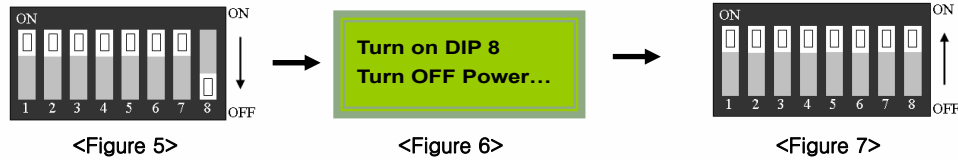


► If an LCD module is NOT connected to the iTDC,

- Apply DC power to the Controller and press the two INT Switches simultaneously. <Figure 3>
- Power OFF the controller and wait for about 2 seconds. Then, power ON the controller again.

► If an LCD module is connected to the iCON100,

- Apply DC power to the Controller and set the DIP SW #8 to the OFF position. <Figure 5>
- The LCD displays "Turn on DIP 8 Turn OFF Power...". <Figure 6>
- Power off the Controller and return the DIP SW #8 to the ON position. Then, power on the Controller again. <Figure 7>



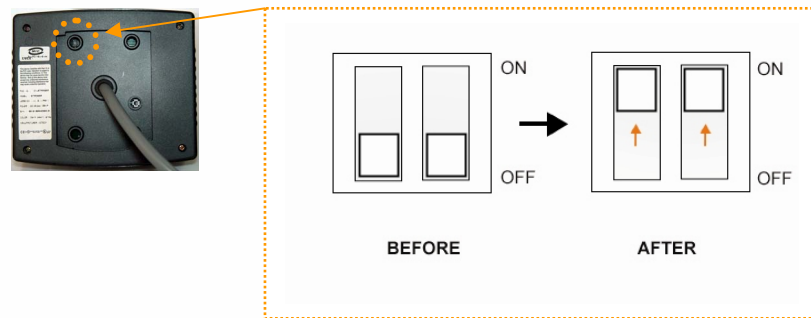
► If an LCD module is NOT connected to the iCON100,

- Apply DC power to the Controller and set the DIP SW #8 to the OFF position. <Figure 5>
- Wait for about 2 seconds. Then, power off the Controller and return the DIP SW #8 to the ON position. Then, power on the Controller again. <Figure 7>

2. FINGER006/007 Series, 505 Series, FACE006/007 Series

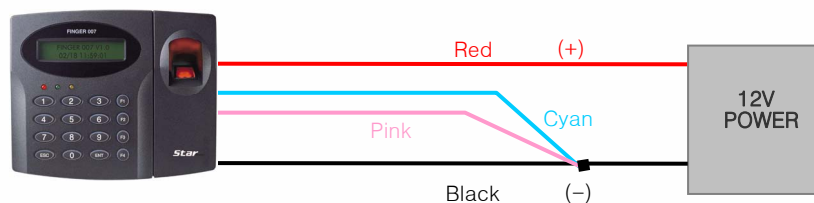
1) Battery Switch Setting

Turn on the backup battery switch as shown below.

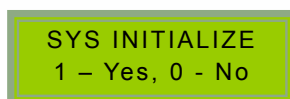


2) Initialization

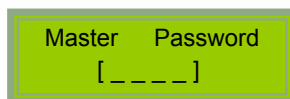
► Hard Initialization:



- Power off the product, and connect the yellow and cyan wires of the product to the GND. Turn on the power. (See the diagram above.)



- The LCD displays the 'SYS INITIALIZE' screen. To begin initialization, press the **1** button.



- After the "Master Password" screen appears, enter the password. (The default password is "3141")

System
Initializing..

FP Module
Initializing..

System is Clear
Remove Wires!!

4. The LCD displays the 'System Initializing..' message
5. The LCD displays the 'FP Module Initializing..' message.
6. If the LCD displays the 'System is Clear / Remove Wires!!' message, it means a successful completion of initialization. Then, turn off the power and separate the wires that were connected together in [Step1](#) and turn on the power again.

CAUTION: Initialization will delete all internal data of the device such as ID and settings.

► Initialization at the SETUP menu.

FINGER_007 [F1]
MM/DD hh:mm:ss

Master Password
[_ _ _ _]

Mode Selection
RF + FINGER(P/W)

SYS INITIALIZE
1 – Yes, 0 – No

System
Initializing..

SYS INITIALIZE

FINGER_007 [F1]
MM/DD hh:mm:ss

1. From the initial screen, enter the 8-digit (sometimes 10-digit) Master ID and press **ENT**. (Default ="00000000")
2. After the "Master Password" screen appears, key in the password. (The default password="3141")
3. The 'Mode Selection (or READER 1 MODE)' screen appears.
4. Press **4** or **6** until the LCD displays "SYS INITIALIZE". When it does, press **ENT**.
5. Press **1** and the 'System Initializing..' message is displayed. The system is being initialized.
6. After the initialization is completed, the LCD displays the 'SYS INITIALIZE' message.
7. Use **ESC** to quit the SETUP menu.

CAUTION: Initialization will delete all internal data of the device such as ID and settings.

HELP2**If the noise problem is serious, protect the controller by using shield wires.**

We recommend using proper grounding system on the communication cable. The best method for grounding system is to put the shield wire of the communication cable to the 1st class earth grounding; however it is not so easy to bring the earth ground to the communication cable and also the installation cost is raised. There will be three grounding point where you can find during installation;

1. Earth Ground
2. Chassis Ground
3. Power Ground

The most important point for grounding system is not to connect both ends of shield wires to the grounding system; in this case there will be a current flow through the shield wire when the voltage level of both ends of shield wire is not equal and this current flow will create noise and interfere to communications.

For the good grounding, we recommend to connecting ONLY one end of shield wire of communication cable to grounding system; If you find earth ground nearby, then connect one end of shield wire to earth ground; If you do not have earth ground nearby, then find chassis ground and connect one end of shield wire to chassis ground; If you do not find both earth ground and chassis ground, then connect one end of shield wire to power ground. (GND of the product)

Note that if the chassis ground is not properly connected to the earth and floated from the ground level, then grounding to the chassis ground will give the worst communication; in this case we recommend to using power ground instead of chassis ground.

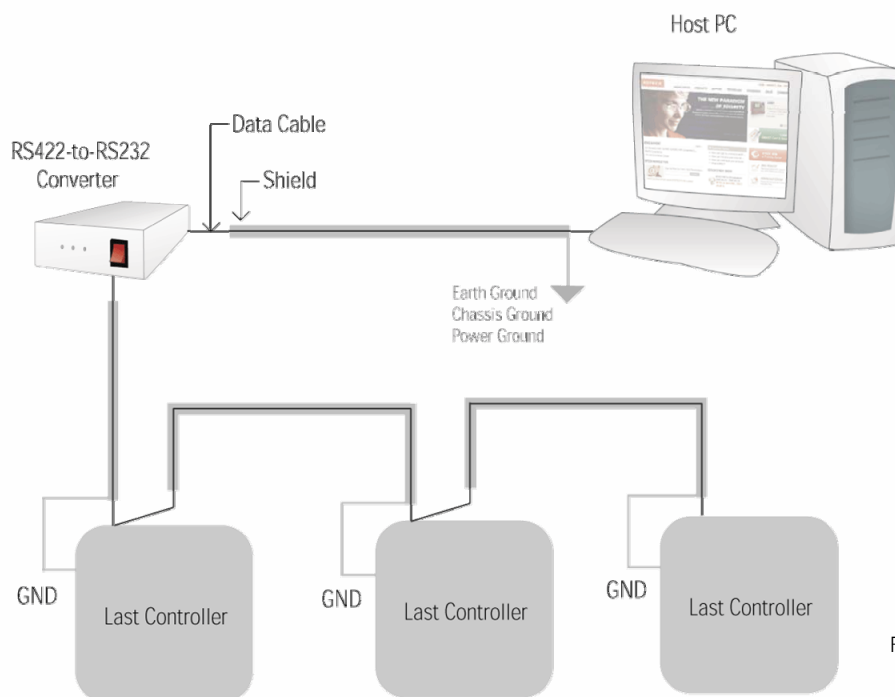


Figure: Grounding System

HELP3 (Procedure Based on FINGER007)

Make sure if the Time Schedule is properly assigned for the Exit Button.

If the wrong Time Schedule is assigned for the Exit Button, there may be problems. The following instruction explains how to change the Time Schedule settings for the Exit button on a product that has an LCD.

FINGER_007 [F1]
MM/DD hh:mm:ss

Master Password
[_ _ _ _]

MODE SELECTION
RF ONLY

TIME SCHEDULE

IN/OUT DEFINE

1. Exit Button
03 00 00 00 00

16. IN/OUT T/S
00 00 00 00 00

FINGER_007 [F1]
MM/DD hh:mm:ss

1. From the initial stand-by screen, enter the 8-digit Master ID number and press **ENT** to enter the SETUP MENU. (The default Master ID is "00000000")
2. After the "Master Password" screen is displayed, enter the Master Password. (The default password is "3141")
3. The Mode Selection screen appears. Then, press **F2** to move to the F2 SETUP MENU.
4. You can see the first menu item of the F2 SETUP MENU.
5. Press **4** until the LCD displays the IN/OUT DEFINE setting screen.
6. Press **ENT** to enter the IN/OUT DEFINE setting menu.
7. Press **6** to move to the "16. IN/OUT T/S" screen. On this screen, the first number on the second row is the Time Schedule assigned for the Exit Button. Check if the value is correct. If you don't want to assign any Time Schedule for the Exit Button, change the value to 00. To change the setting values, press **ENT** and enter the Time Schedule codes you'd like to assign one by one, using the keypad.
8. After the settings have completed, press **ESC** to quit the SETUP MENU.

HOWTO1 How to check if the INPUT/OUTPUT settings are correct

(Procedure Based on FINGER007)

The following step-by-step instruction explains how to check the INPUT/OUTPUT settings on a device that has an LCD.

FINGER_007 [F1]
MM/DD hh:mm:ss

Master Password
[_ _ _ _]

Mode Selection
RF + FINGER(P/W)

TIME SCHEDULE

IN/OUT DEFINE

1. Exit Button
03 00 00 00 00

1. From the initial screen, enter the 8-digit (sometimes 10-digit) Master ID and press **ENT**. (Default ="00000000")

2. After the "Master Password" screen appears, key in the password. (The default password="3141")

3. The 'Mode Selection (or READER 1 MODE)' screen appears. Press **F2** to enter the F2 SETUP MENU.

4. The first setting menu in the F2 SETUP MENU appears.

5. Press **4** several times until the "IN/OUT DEFINE" setting screen appears.

6. Press **ENT** to enter the IN/OUT setting menu.

You can go to the settings of other devices by pressing the navigation keys, **4** and **6**. Press **ENT** to change the settings, then you can see a cursor blinking at the first number of the 5 numbers. (If you don't need to make adjustments, you don't have to press **ENT**.) Here, the 5 numbers are setting values for relay1, relay2, TTL1, TTL2, and Buzzer, respectively from the left. The setting values are the Delay Time for each output. As you can see in the LCD screen above, the default setting for Exit Button is as follows: "Relay1:03, Relay2:00, TTL1:00, TTL2:00, Buzzer:00".

FINGER_007 [F1]
MM/DD hh:mm:ss

7. After things are taken care of, press **ESC** to quit the SETUP MENU.

HOWTO2 How to check if a Time Schedule is assigned for the Exit Button.

(Procedure Based on FINGER007)

The following explains how to check if a Time Schedule is assigned to the Exit Button on a device that has an LCD. The Time Schedule setting for the Exit Button (which is an input device) can be checked and adjusted in the IN/OUT DEFINE menu of the SETUP MENU.

FINGER_007 [F1]
MM/DD hh:mm:ss

Master Password
[_ _ _ _]

Mode Selection
RF + FINGER(P/W)

TIME SCHEDULE

IN/OUT DEFINE

1. Exit Button
03 00 00 00 00

16 IN/OUT T/S
02 00 00 00 00

1. From the initial screen, enter the 8-digit (sometimes 10-digit) Master ID and press **ENT**. (Default = "00000000")
2. After the "Master Password" screen appears, key in the password. (The default password="3141")
3. The 'Mode Selection (or READER 1 MODE)' screen appears. Press **F2** to enter the F2 SETUP MENU.
4. The first setting menu in the F2 SETUP MENU appears.
5. Press **4** several times until the "IN/OUT DEFINE" setting screen appears.
6. Press **ENT** to enter the IN/OUT DEFINE menu. You can see the first item on the IN/OUT DEFINE menu, 'Exit Button'.
7. Press **4** several times until the "IN/OUT T/S" (or "INPUT T/S") appears on the LCD.

Press **ENT** to change settings, then you'll see a cursor blinking at the first number of the 5 numbers. (If you don't need to make adjustments, you don't have to press **ENT**.) Here, these 5 numbers are setting values for Exit Button, Door Contact, AUX1, AUX2, and Tamper Switch, respectively from the left. The LCD screen above this box shows a case where Time Schedule #2 is assigned for Exit Button.

FINGER_007 [F1]
MM/DD hh:mm:ss

8. After everything is taken care of, press **ESC** to quit the SETUP MENU.

HOWTO3 How to check if the Time Schedule settings are corrupt.

(Procedure Based on FINGER007)

The following explains how to know whether the Time Schedule settings are properly retained or damaged, on a device that has an LCD.

FINGER_007 [F1]
MM/DD hh:mm:ss

Master Password
[_ _ _ _]

Mode Selection
RF + FINGER(P/W)

TIME SCHEDULE

T/S : 01 HOL 1
00:00 - 00:00

1. From the initial screen, enter the 8-digit (sometimes 10-digit) Master ID and press **ENT** . (Default ="00000000")
2. After the "Master Password" screen appears, key in the password. (The default password="3141")
3. The 'Mode Selection (or READER 1 MODE)' screen appears. Press **F2** to enter the F2 SETUP MENU.
4. The TIME SCHEDULE menu appears.
5. Press **ENT** several times until the "TIME SCHEDULE" setting appears.

Using **2** or **8** keys, you can select the Time Schedule number and day of the week.
4 and **6** keys are used to define specific intervals. Press **ENT** in order to define specific intervals. (If you don't need to make adjustments, you don't have to press **ENT** .)

FINGER_007 [F1]
MM/DD hh:mm:ss

6. After everything is taken care of, press **ESC** to quit the SETUP MENU.