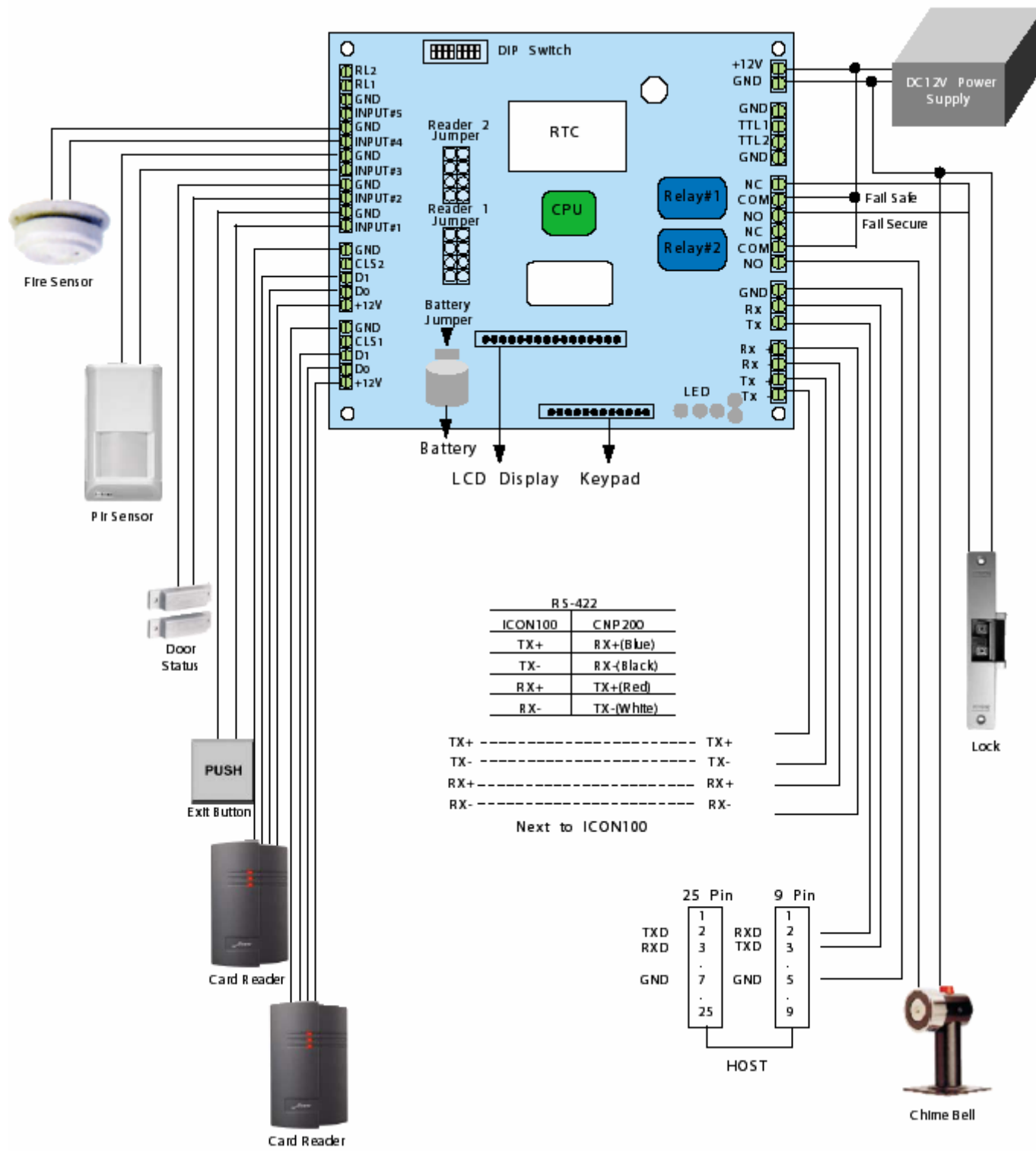


1. Check Environment

1.1 Check the power source

Before wiring, please check the voltage/current (DC12V/350mA) that will be input to the iCON100.

1.2 Connection Diagram



2. Setup Hardware

2.1 Backup Battery setup and Hardware Initialization

2.1.1 It explains how to operate the switch for connecting the backup battery in order to keep the memory data.

For normal use, the switch should be connected as the picture below so that there is no any data loss.

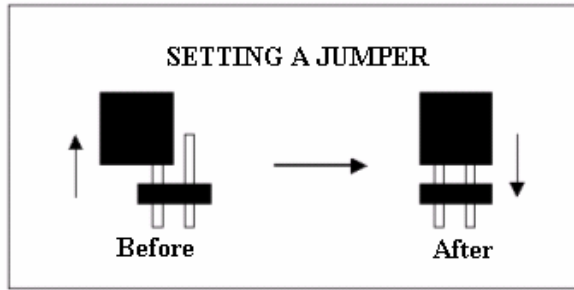


Figure: JUMPER SETTING

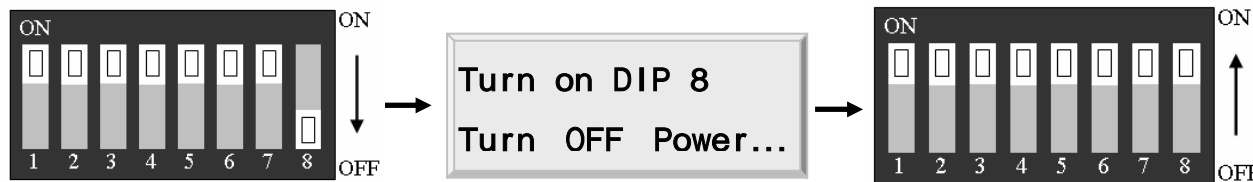


Figure: Jumper location

2.1.2 Toggle the DIP switch '8' "OFF" while the power is ON.

2.1.3 The message "Turn on DIP 8 Turn OFF Power..." will be shown on the LCD.

2.1.4 Toggle the DIP switch '8' "ON" and turn the power off.



2.1.5 There is 8-bit DIP Switch for address setting and it turns to 5-bit binary code as below. Each bit has fixed address value and the address is calculated by the sum of the value of each bit set to "1" position.

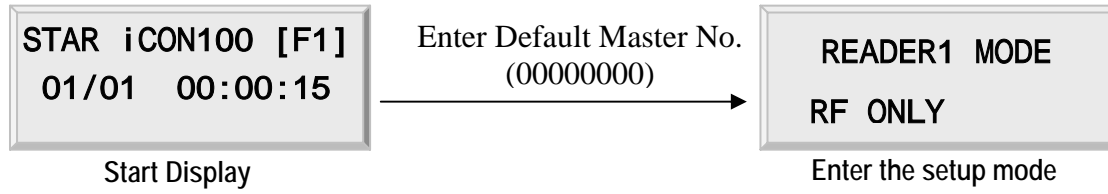
Example



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
1	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF				
2	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF		
3	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF		
4	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
5	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
6	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
7	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
8	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

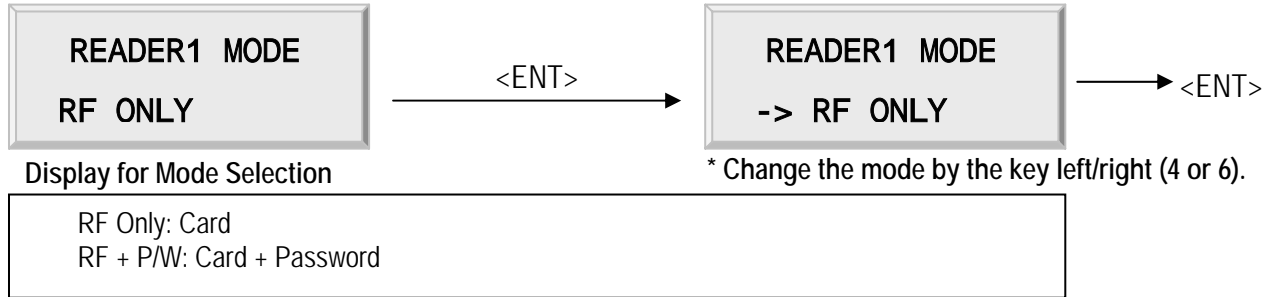
Table 1 : The relation between Setting and DIP switch

3. Setup Controller parameter

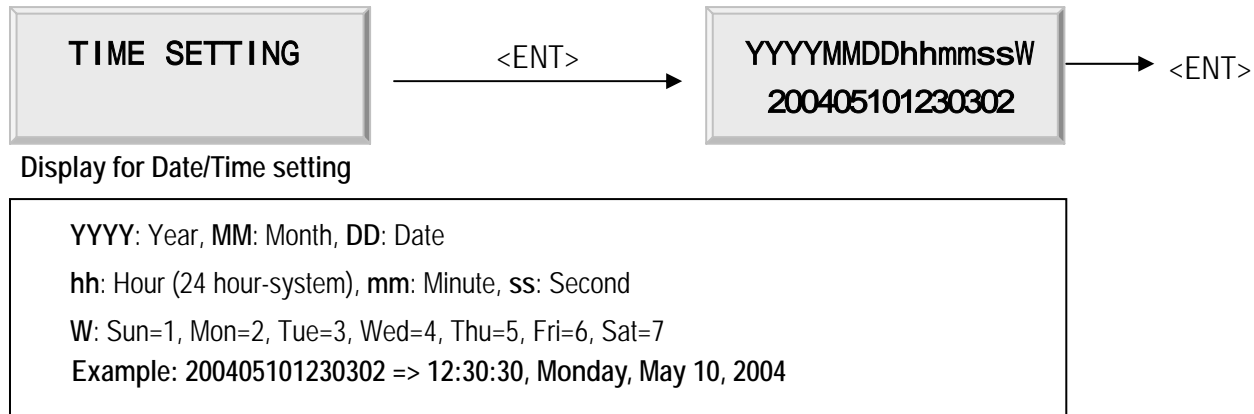


Key '4' or '6': Left/Right
 Key '2' or '8': Up/Down
 ENT: Change or Enter
 ESC: Cancel
 In the case of iCON100SR, Press <0> key (Default setting "000000000") 10 times to enter the SETUP MENU.

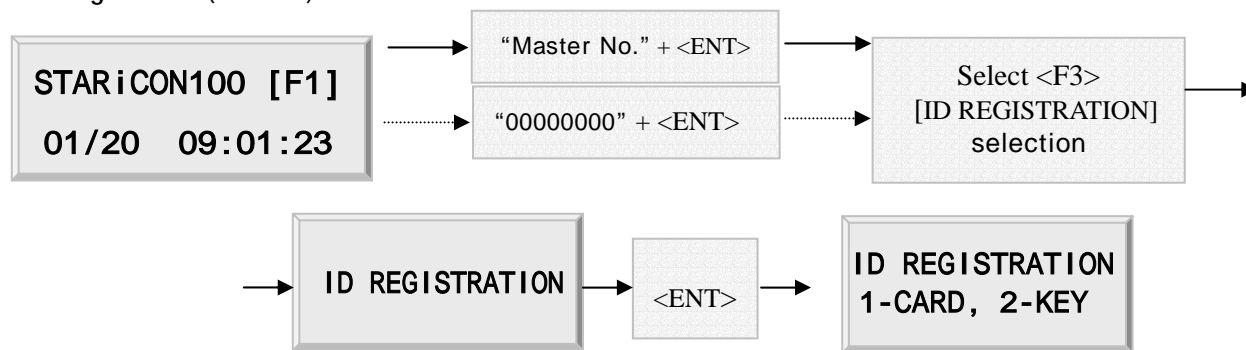
3.1 Mode setting (F1 Menu)



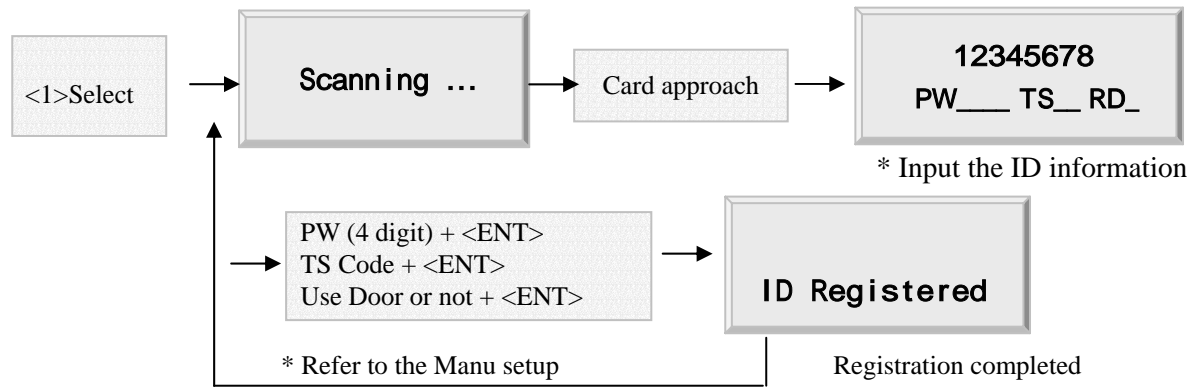
3.2 Date/Time setting (Select "TIME SETTING" Menu by the Key '4' or '6')



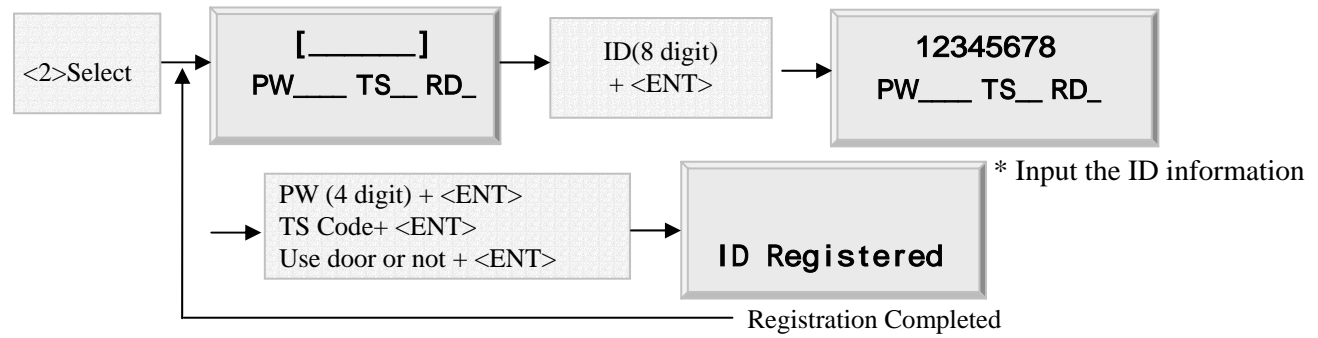
3.3 Card Registration (Enter F3)



3.3.1. Registration with the Card



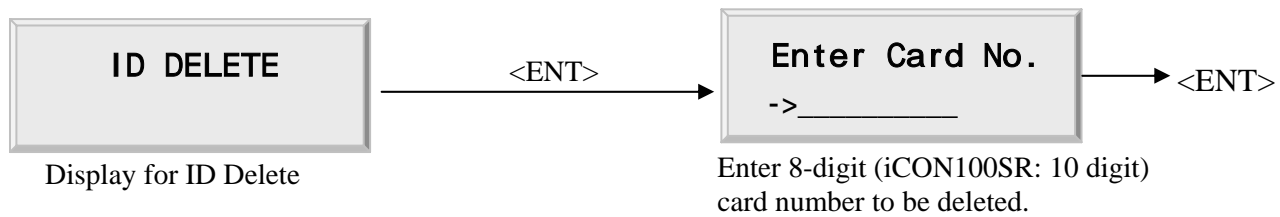
3.3.2. Registration with Keypad



1. CARD: Card Reading
2. KEY: Enter 8-digit (iCON100SR: 10 digit) PIN

< INPUT THE ID INFORMATION >
 ID : 8-digit (iCON100SR: 10 digit) card Number.
 TS : Time Schedule code (Enter the default setting value "00")
 - Enter such code for applying T/S
 RD: Setup to use the reader or not (Enter the default setting value "3")
 1 - To be read only by the reader 1
 2 - To be read only by the reader 2
 3 - To be read by the both readers

3.4 Delete Card (Select "ID DELETE" Menu by the Key '4' or '6')



4. Normal Operation

4.1 Power ON

When the power is applied to iCON100, the Red LED (LED1) is turned on.

4.2 Registered card reading

When a registered card (or PIN) is read, the Door (Relay 1) will be opened for 3 seconds (Default) with the Green LED (LED2) light on.

4.3 Exit Button

The Exit Button or the Exit Reader should be installed inside.

When the Exit Button is pressed, the door will be opened for 3 seconds with the Green LED (LED2) light on.

4.4 Alarm (Unregistered ID/PW Error/TS Error/Door Error)

When an unregistered card is read, or any wrong password is input, or any error over the time schedule and the door access is occurred, the access is denied and the alarm will be activated for 3 seconds (Default) with the Yellow LED (LED 3) light on.



LED1: Power ON/OFF Status
LED2: Door Relay Status
LED3: Alarm Relay Status