1. Check Environment
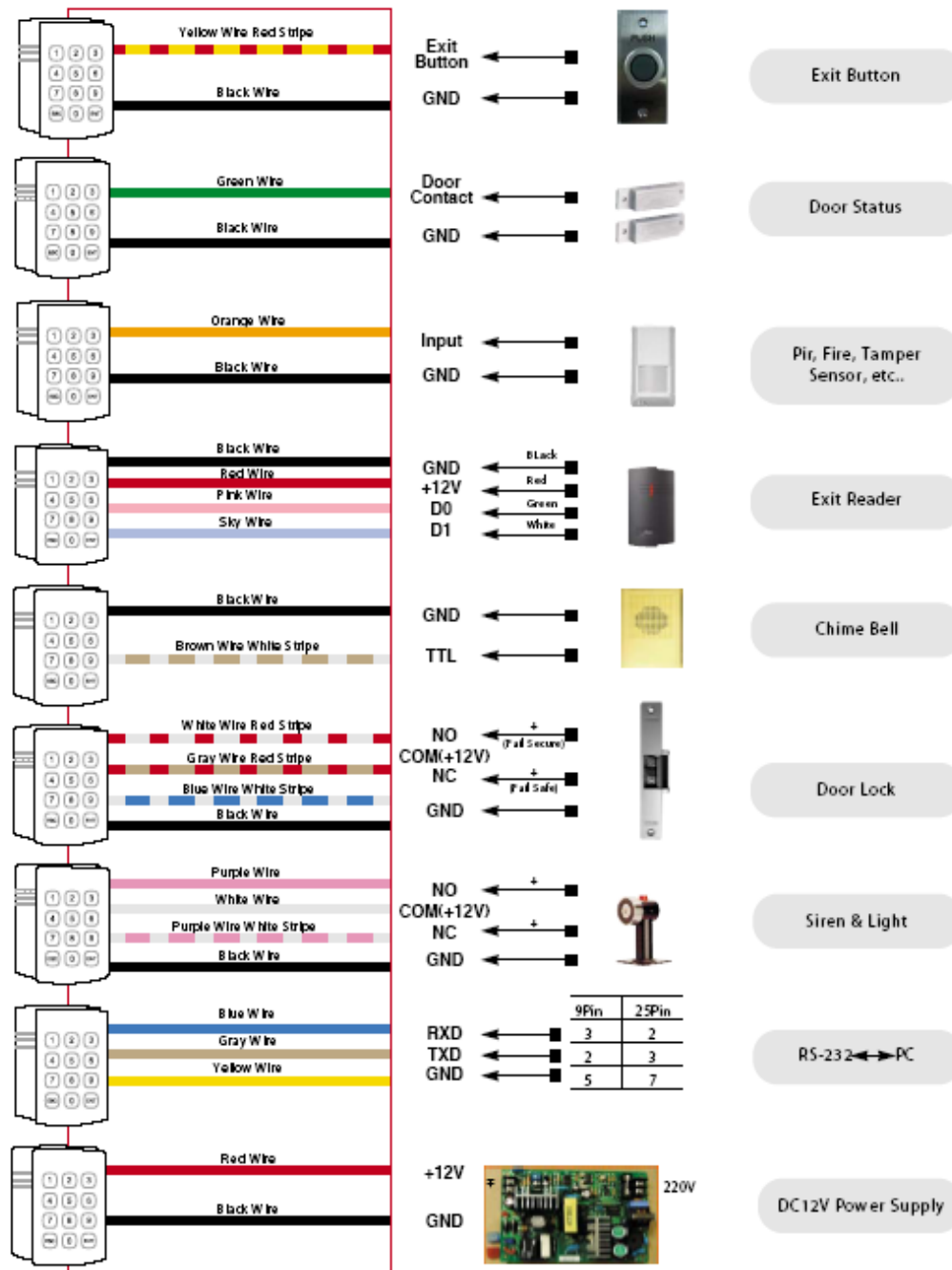
1.1 Check the power source

Before connecting, please check the voltage/current (DC12V/200mA) that are input to the 100R.

1.2 Connection Diagram

IDTECK

2. Setup Hardware

Default : 3 LED is flashing when power is turned on

Normal : Orange LED is on while power is on

ENT KEY : Confirm or Enter Key
ESC KEY : Cancel or deactivate mode
• Caution
  Be careful in keeping master card. Since without it. It can not get into master mode. If lost, please refer its hard ware initialization instruction in chapter 10

a. Set Master Card and User Registration(RF Only, RF+P/W, RF or PIN, PIN Only)

b. User ID Registration (RF Only, RF+PIN, PIN Only)

c. User ID Deletion (RF Only, RF+PIN, PIN Only)

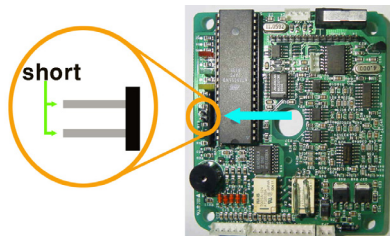## 3. Initialization (RF Only, RF+P/W, RF or PIN, PIN Only)

3.1 Command Initialization

1) Present the Master Card to be read.

2) Press '9'9'+'ENT' on the keypad.

3) All data will be deleted by initialization

4) In case of malfunction, try initialization

Or Master PIN

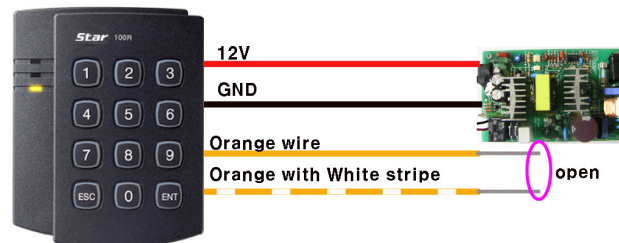### 3.2 Hardware Initialization (When the master card or ID is lost)

1) Open the top case taking out four bolts on the back.

2) As the below picture, make two jumpers short for a second in power on status

3) 3-color LED blinking with beep sound indicates the success of initialization

3.3 Wire Initialization (When the master card or ID is lost, 100R: Over V5.0.0, IP-100R: Over 2.0.0)

1) Main power off

2) Connect the orange and orange with white stripe wire together and power on the unit.

3) 3-color LED blinking with beep sound indicates the success of initialization.

4) Main power off again.

5) Disconnect those two wires and wire them as normal connection diagram shown in the above figure.

4. Normal Operation

4.1 Power on

When the power is applied to 505R, the Yellow LED (LED3) flashes at one-second interval.

4.2 Registered card reading

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

4.3 Unregistered card reading

When an unregistered card is read, the access is denied and the alarm Relay will be activated for 2 seconds (Default) with the Yellow LED (LED1) on.

4.4 Exit Button

The Exit Button or the Exit Reader can be used to exit the door.

Press the Exit Button or present the card to the Exit Reader.

The Door Relay will be opened for 3 seconds with the Green LED (LED2) on.

LED1: Alarm Relay Status
LED2: Door Relay Status
LED3: Power Status (flash a second)