CL2-GSM Instruction

□ .Overview

front view

side elevation

ANT

Power　SW1　SW2　SIM card

9-12VDC
power supply　switch1 switch2　SIM card slot　antenna

COM1　COM2

NO　NC NO　NC

STA2　STA1　SIG

nomally　nomally
open　com　close　relay　relay　signal
state　state　indicator

（250VAC 10A / 125VAC 15A）
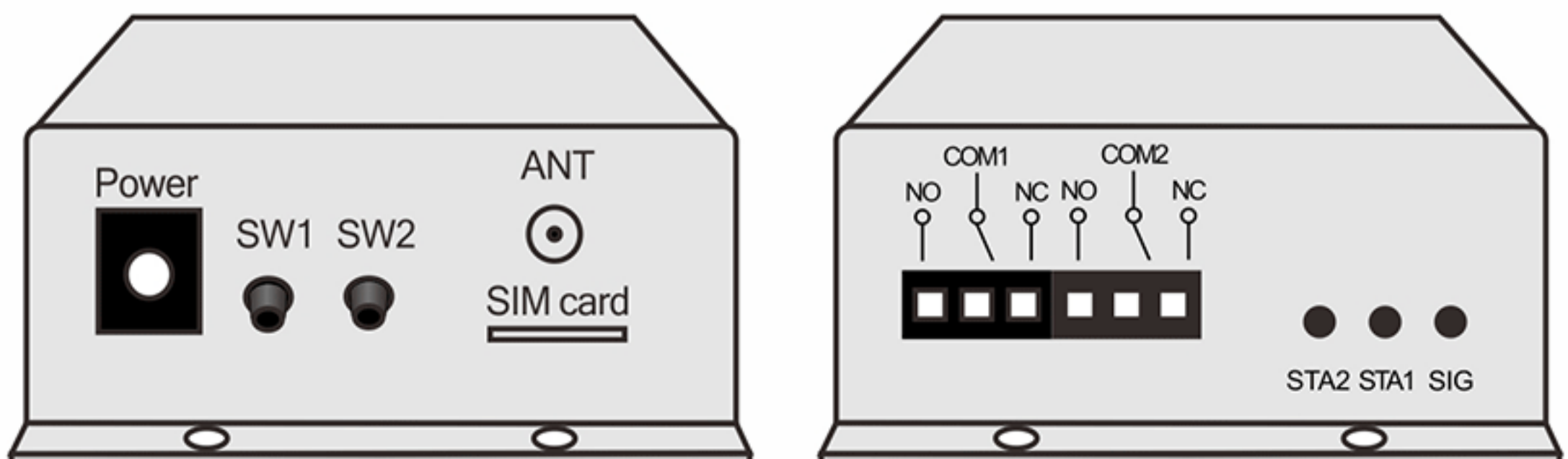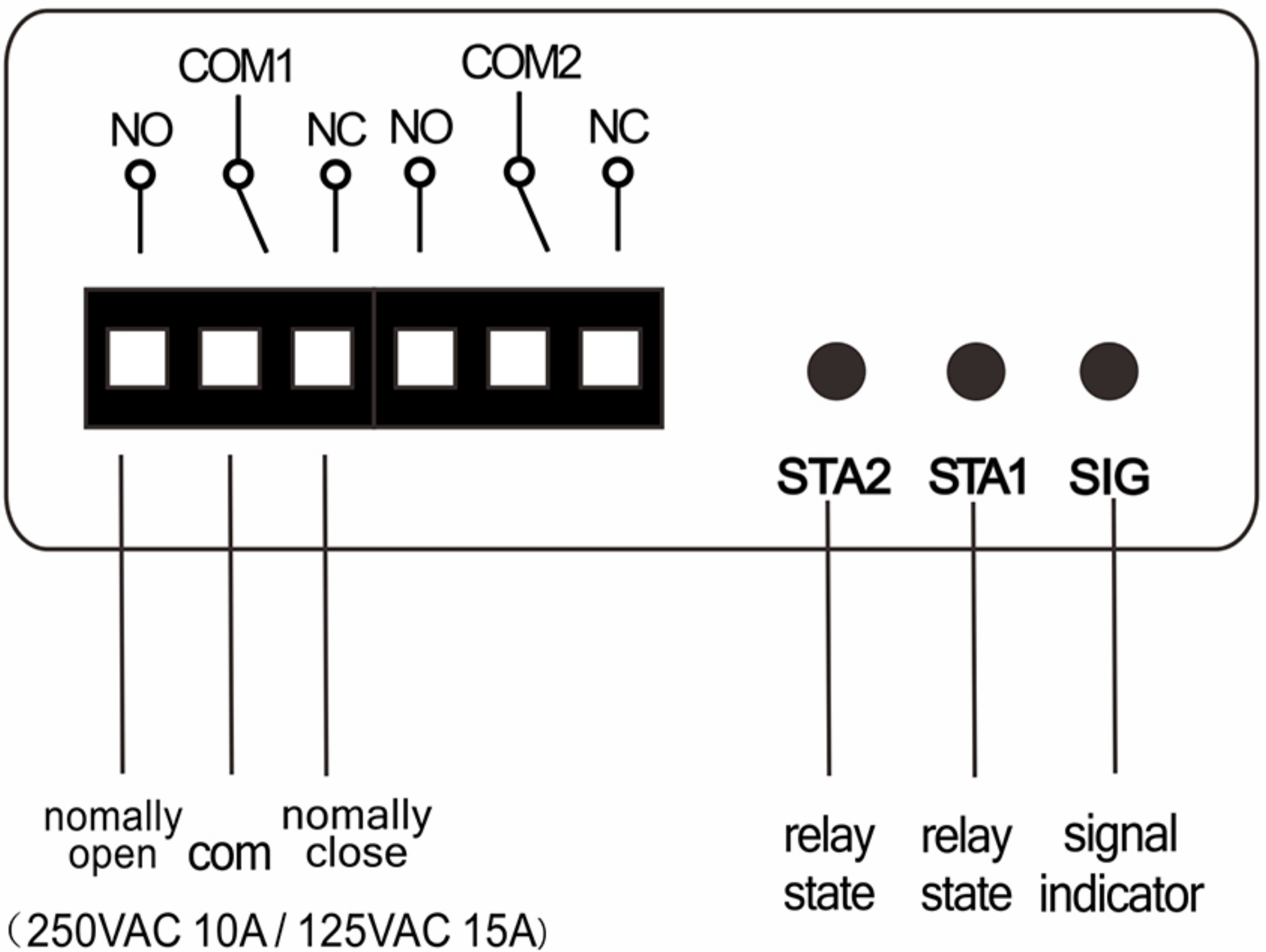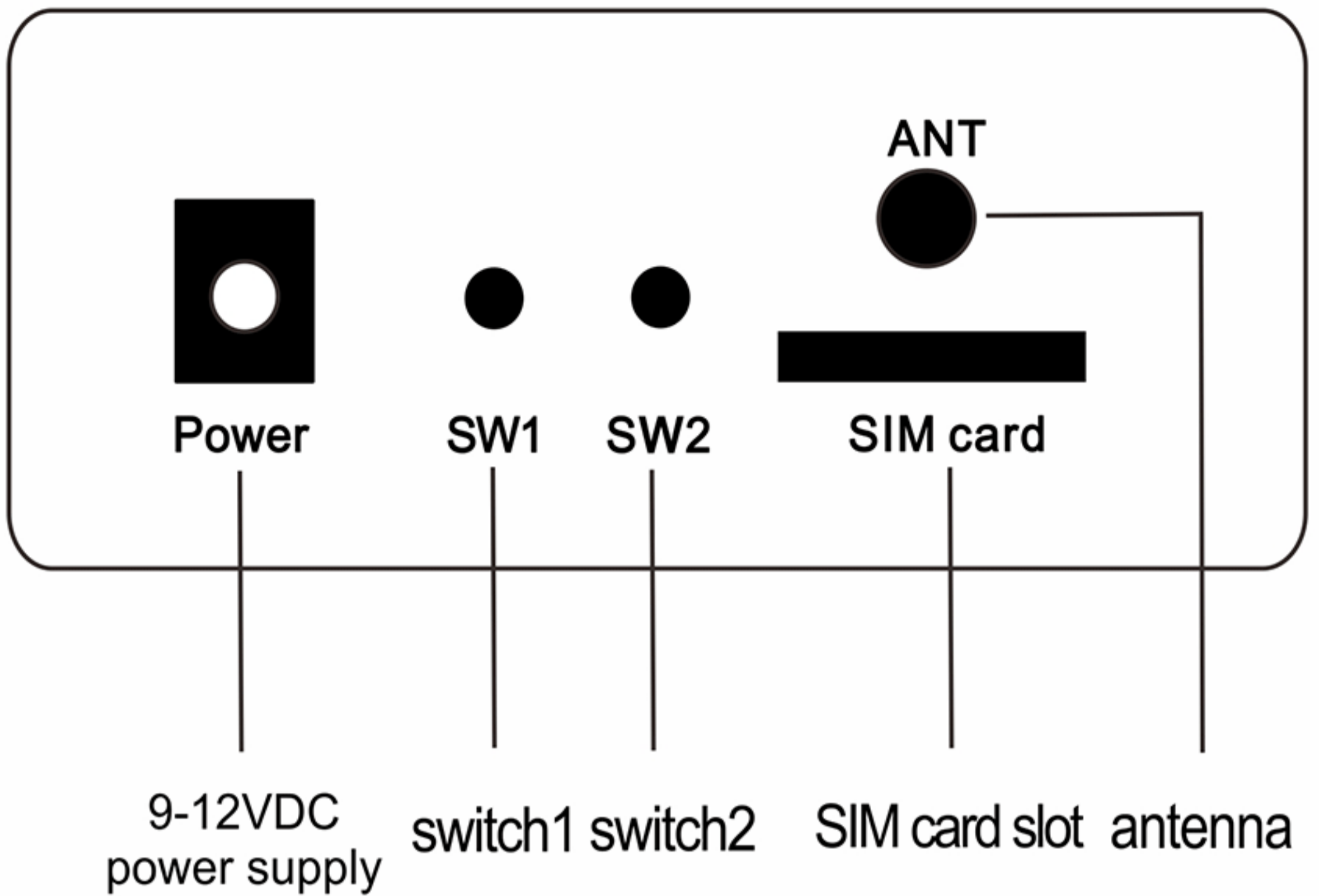
Sw1 button	control switch state, the state over turned after press press the SW1 button for 15 seconds power down status can be changed
SW2 button	control switch state, the state over turned after press press the SW2 button for 8 seconds you can set master number
STA Indicator	relay status indicator, if the state is on, the indicator light on, if the state is off, light off
GSM SIG Indicator	GSM signal indicator ,flash two seconds to enter the GSM network

Ⅱ.Options

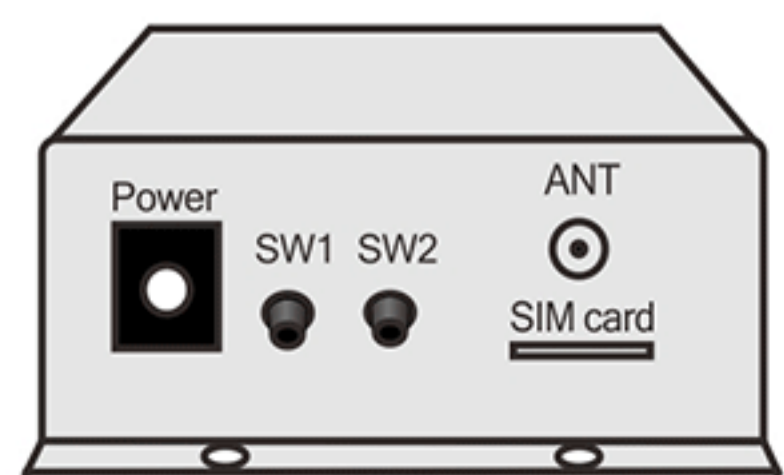## 1. Insert SIM card
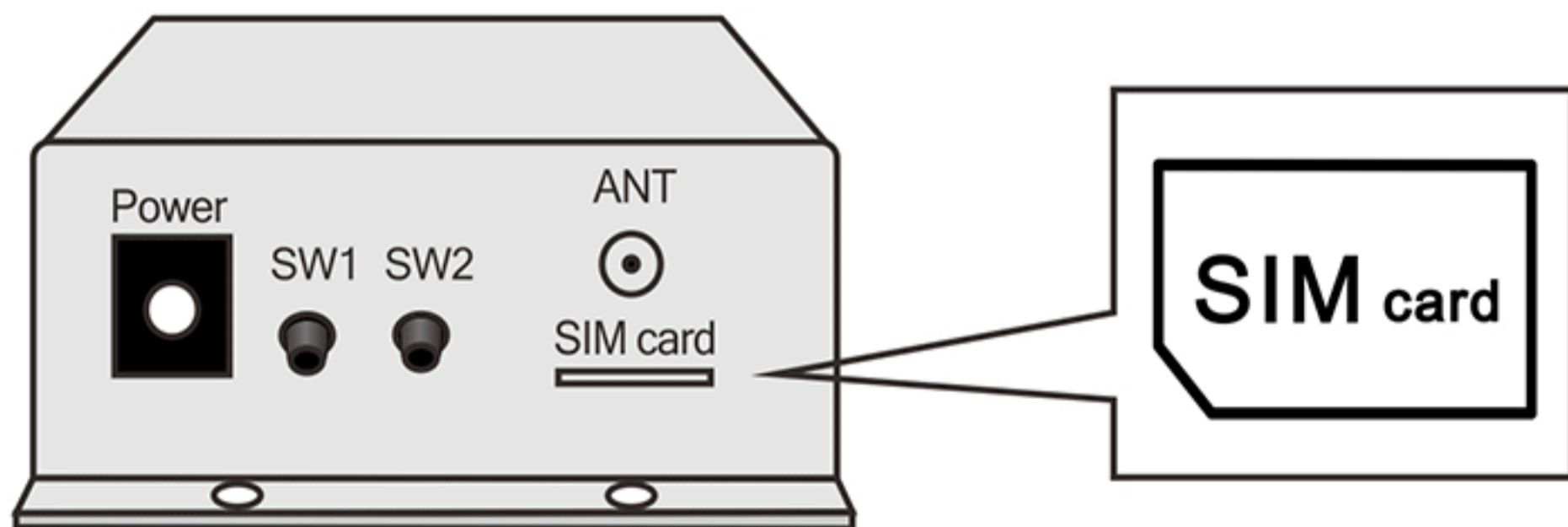
SIM card

⚠ Installed your SIM card before power on.

2.Plug in the power connector

12V DC Adapter

short initialization time (30seconds) after power on, related operations after initialization. relay status is disconnected by default.

3.Connecting the GSM net-work

Observe the SIG lights of the controller(Begining the signal light is always on),when SIG becomes flash 2 seconds, the controller has connected GSM net-work,Then you can set and control the GSM controller.
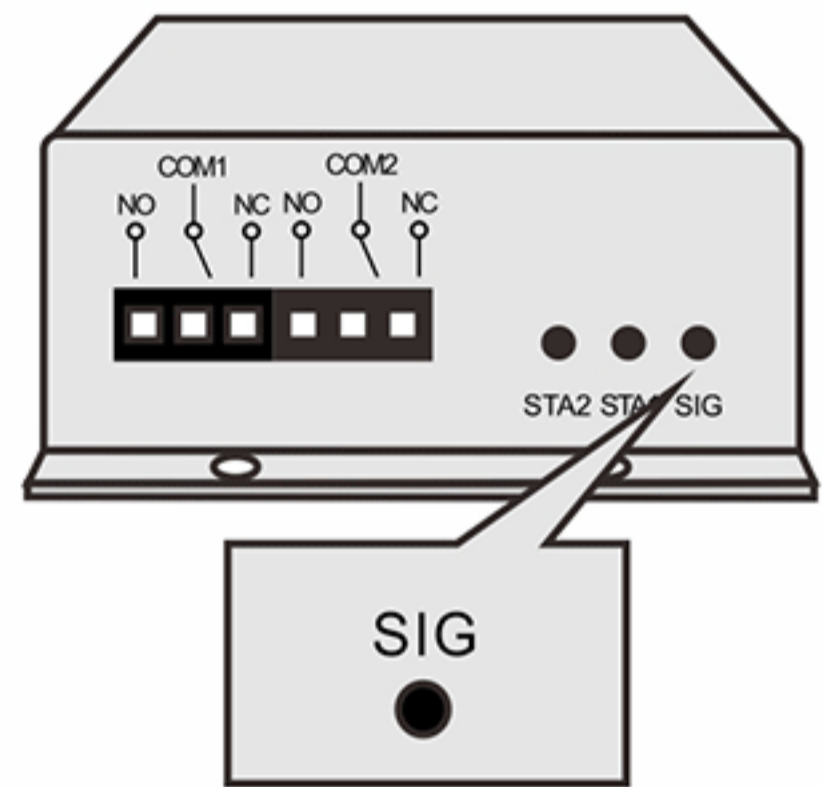
4.Set password

GSM controller initila password is:0000

Set password command format:

SN + Previous password + NEW + new passwords

The password with the power-down memory function.

e.g. Send SMS : **SN0000NEW1234** ; then you will receive: **SN SETOK NEW SN IS 1234**

5. Set master number(can set up 5 groups)

There are two ways to set master numbers : one way is SMS ,another is through the SW2 button.

①e.g. passwords is 1234, customers want to set 13788889999 to be master number,and then edit the SMS: **SN1234SET13788889999** issued to GSM controller, if you set successfully will receive a message: **13788889999SETOK**. GSM controller can only be controlled by the master numbers Master numbers with a power-down memory function.

② e.g. Press the SW2 button for 8 seconds,SIG led will fast flash for 30 seconds, during this time which number dial controller, controller will automatically hang up the dial phone, and then the dial number will become master numbers. Master numbers with a power-down memory function.

6.How to control GSM controller: SMS/Dail/Button
*.SMS(ON /OFF/COM Command. T Command. L Command)

Setup steps: (the default password for 0000)

1.ON Command turn the relay state to ON.

SN+PASSWORD+ON

e.g. Send: **SN0000ON** ; then receive: **STATE IS ON**

2.OFF Command turn the relay state to OFF

SN+PASSWORD+OFF.

e.g. Send: **SN0000OFF** ; then receive: **STATE IS OFF**

3. COM command (control state of each path controller)

Status code Description: N stands for open, F stands for off X stands for the same the instruction format:

SN+password+COM+ control code

e.g. Send **SN0000COMNF**, instruction indicates that opened 1 road controller to close 2 road controller; Operation is successful reply: SW1 IS ON; SW2 IS OFF

4.T Command inching the relay state (change statua in short time and then reinstate,the time can be set)

SN+PASSWORD+T+*+C/X

(*:0-9,is inching time. 0 is 0.5 second; 1-9 is 1-9 second) (C:inching;X:ignore)

e.g. (SW1:0.5 second inching,SW2 ignore): **SN0000T0CX**
e.g. (SW1 and SW2 inching 2 seconds): **SN0000T2CC**
Device return: **STATE IS INCHING**

5.L Command inching the relay state for a long time
(change state in long time and reinstate,the time can be set)
SN+PASSWORD+L+***+C/X
(***:001-240, 001 is 1 minute; 240 is 240 minutes)
(C:inching;X:ignore)
Note: Up to 240 minutes timing can be timed, this command can be use to timing.
e.g. When you want timing 2 hours for a Rice cooker(SW1), and SW2 ignore.
First GSM controller initial state is OFF,you send SMS: **SN0000L120CX** ,then the state turn to ON and you will receive a SMS : **STATE IS INCHING**. The ON state will be kept 120 minutes, after 120 minutes state turn to OFF.

*Set the dail control funtion.

set the inching mode of dail and inching time:
SN+password+XT+*
(*:0-9,is inching time. 0 is 0.5 second; 1-9 is 1-9 second).
cancel the inching mode of dail: SN+password+XTC

e.g. when you want to inching 5 seconds by dail control, send: **SN0000XT5**,and you receive: **JOG FUNCTION IS ON**. In this mode, state will inching 5 seconds, when the master number dail . this mode with a power-down memory function.

when you want to cancel the inching mode, send: **SN0000XTC**, receive: **JOG FUNCTION IS OFF**. if the inching mode has be cancelled, the state will be change when the master number dail. and this mode is default.

*dail to control

You can control the GSM controller by dail. master number will be hang up and change state in default dail mode. the control function can be set. you can reference to the above description.

*Button control :

When you press the SW1 or SW2 button, controller state will be changed.

7. Dail control receive feedback SMS.

set feedback SMS:
SN+password+CBO (O is letter)

cancel feedback SMS:
SN+password+CBC [This funtion is default]

In the default mode, no SMS will be received after dail control. If you want to receive a feedback SMS after dail control, you can send: **SN0000CBO** to GSM controller, receive: **MESSAGE FUNCTION IS ON**

8. CHECK command for check the controller status :

SN+ passwords +CHECK"(SN****CHECK)

9. Memory function of controller power down

The default function of controller is power down save. Status can be determined by observing the SIG lights flashing after power on: After power SIG flash two times, which means that the status is power down save; SIG after power flash four times, which means that the status is without power down save.

For example: power down status can be changed by the customer, press SW1 15 seconds after the release, you can change the current memory status.

10.Reset the system

Press the SW1 button and SW2 button at the same time for 1 second, SIG led will slow flash 3 times, proved successful reset the system. When you reset the system, the master number will be emptied, password becomes four zeros: 0000.

10.MODE1 is default mode(works in most countries).

When you are in the Nordic Europe or other a few countries found call works but SMS did not respond, change to MODE0. e.g. Send SMS: **SN0000SM0** to equipment, then receive: **MODE0 SET OK**. When you want to change to MODE1,sendSMS: **SN0000SM1**

NOTE

1、SIM card requirements: global GSM standard SIM card can be used, currently does not support 3G or CDMA card, please activate the new SIM before insert the device.

2、Please do not put the controller in the metal surrounded by the environment (metal box or distribution box), this will cause the controller signal become weak, affecting the use of efficiency. If you need to work in the harsh environment, please choose to extend the antenna, the antenna placed in the metal box, can work for long-term stability.

3、Dail number display must be opened, ensure dail control. otherwise only SMS control.

4、When the signal of the environment is weak. SMS control is not sensitive, you can use SET key to set the master numbers.

5、Using the product should pay attention to moisture, limited to indoor use. Output power do not work more than 10A (250VAC)/ 15A(125VAC), inductive load power by half.

6、Products using the input voltage range of 9-12V DC, do not use on other voltages.