



**MANUAL OF GSM REMOTE
CONTROLLER CHV-1020**

Catalog

1 The product summary characteristic.....	3
2 User's Manual Introduction	4
3 Hardware.....	7
3.1 Assemble hardware picture.....	7
3.2 How to assemble hardware	8
3.3 Typical application connected picture	8
4 Control and check SMS	10
5 Dimensions and technical parameters	11
5.1 Dimensions	11
5.2 Technical parameters.....	11

1 The product summary characteristic

GSM remote controller is designed for the needs of remote monitoring equipment. The controller can be widely used in pump controlling, alarm control occasions.

it's high reliability characteristics is:

- ✚ 2 roads output. It is large in power to control the electric apparatus , can control the signal of outputting 220AC/30A most.
- ✚ interface port of sim card . The use of ubiquitous wireless communications network so that you at any time any place can control your equipment, understanding equipment running
- ✚ Stable and eliable performance .Imported high Siemens microprocessor can make sure quality.
- ✚ Store 5 cell-phone host numbers at most, Other cell-phone numbers have no right his control correctly.
- ✚ Message controlling, convenient and direct.It can be controlled anywhere where there is

the signal of cell-phones ,there is no distance to limit.

2 User's Manual Introduction

Thank you for your purchase of Devices,ControlWinner Electronic Ltd. Shandong China GSM remote controller, The Second Roads GSM remote controller is designed for business use as a remote control. Advanced Micro Devices, remote controller fully functional, superior performance, configuration convenient, easy to use, remote control is your best choice.You should read the manual before you install.

The question that should notice before installation is:

- ⚠ Don't receive the relay on the electric apparatus first while setting up host number while going on the first step.**
- ⚠ Delete all teh SMS of the Cell-phone card.**

Install and set up :

- ① Set up host number

Insert cell-phone card in the controller, insert the controller power, Push the 'Set up button'(the following picture)rapidly, don't unclamp, wait for about 2 minutes (controller search for the signal and initialize time), you will hear 'whip' of the relay sounded several times , and then you can unclamp the button this moment. Then you should confirm that whether the controller has searched the signal. If it has not searched out the signal, the green light on the controller will flash soon, about 1 time/ second;If it has searched out the signal, the green light on the controller flashes slowly, about 1 time/3 seconds. (If it has not searched out the signal for a long time, you can pull out and insert power once again , restarted and make the controller search for the signal again)。

After that you can begin to set up host number: you can send information 'HOSTNO1' to the controller cele-phone number,After establishment succeeded, you would receive one SMS 'HOST1',it shows success of setting up. If you want to alter numbers , can cover it with the new number directly . You can sen the second SMS 'HOST2' to the controller to set up another host number,and you could set up 5 host

numbers at most. The digital range of the middle of the content of the message 'HOST1' is 1~5.

② After finished setting up host number, pull out and insert the controller power again , make the system enter to normal working state. Wait for about 5 minutes (controller search for the signal and initialize time). If it has not searched out the signal, the green light on the controller will flash soon, about 1 time/second;if it has searched out the signal, the green light on the controller flashes slowly, about 1 time/3 seconds. (If it has not searched out the signal for a long time, you can pull out and insert power once again , restarted and make the controller search for the signal again)。

Controlling methods :

① SMS controlling

Send message '1ON' to the controller with cell-phone of host.After received the message , the controller would turn on electric apparatus 1 and reply message '1ON' to show success of operating.

The host can inquire about the working state of the electric apparatus at any time, can send the message 'STATE' to inquire .

There are the following several controlling messages:

'1ON','1OFF','2ON','2OFF','ALLON','ALLOFF','STATE'

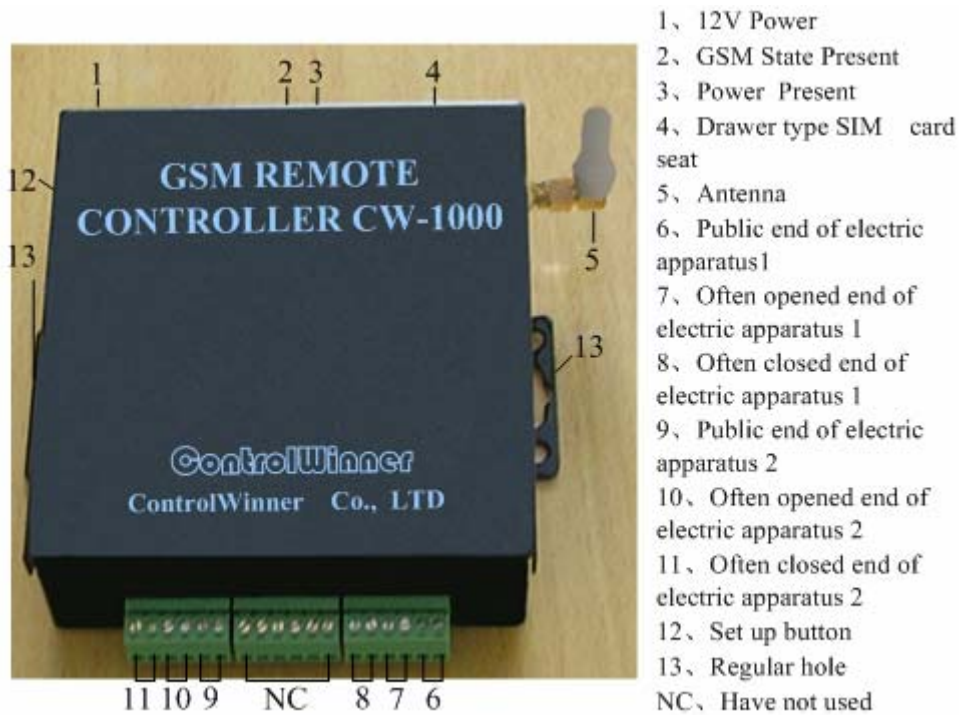
②Calling controlling

You Can call the remote controller to control the switch of relay, dialing the controller once will change the original working state, and then the controller will hang up automatically after the movement of the relay.It is just useful that the only the host cell-phone numbers that have been set up into the controller.

3 Hardware

3.1 Assemble hardware picture

The controller can control the 2 roads independent electric apparatus, the cable (front line) of the electric apparatus can be connected in the 6,7 or 9,10 above,it can achieve the goal of controlling the electric apparatus through opening and broking the line 6,7 and 9,10.



Front elevation of the controller

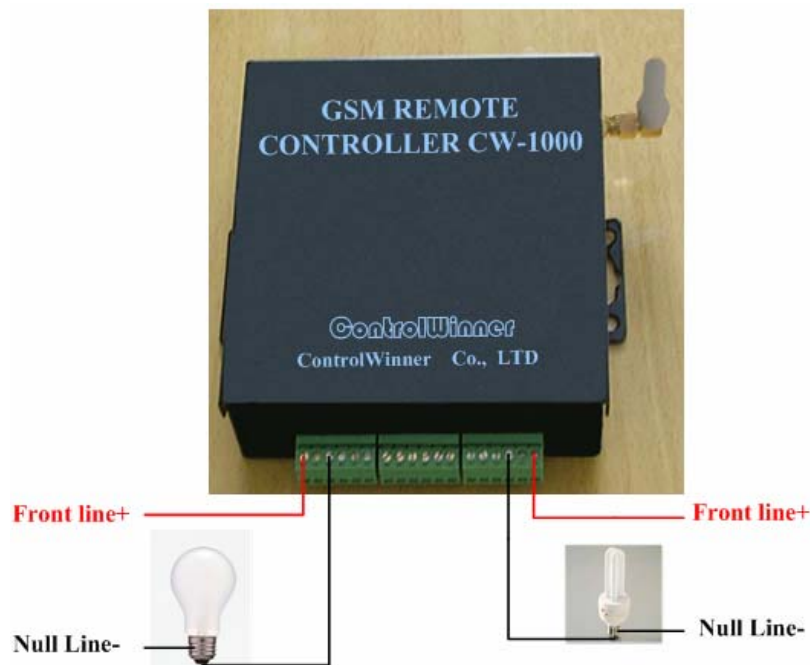
3.2 How to assemble hardware

- ✚ Please connect the controlled electronic device to output(1 or 2).
- ✚ Assemble 12V power as the above picture.
- ✚ Insert the SIMCARD.
- ✚ Assemble successfully ,please power up ,if the red light flash,the controller work normally.

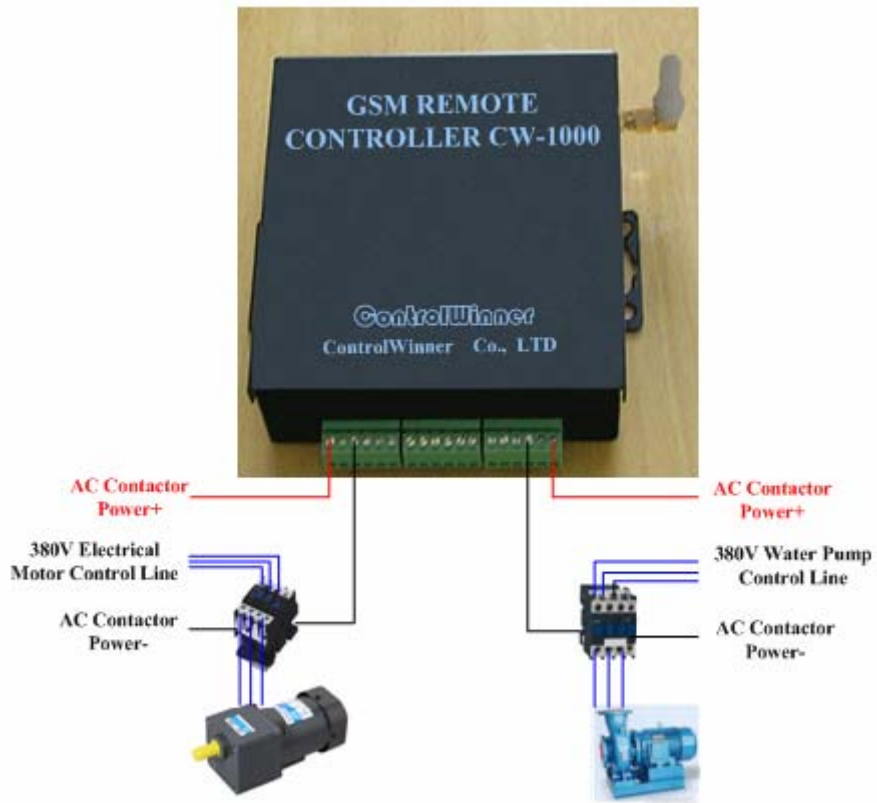
3.3 Typical application connected picture

There are relations in the connection of the control circuit and characteristic which is accused of the electric apparatus, if it has no sense or little sense load to accuse

of the electric apparatus like electric light, computer ,etc,then you can directly control and originally accuse of the component with the controller , the diagram 'Typical wiring diagram of no reaction or little reaction electronic device' to show such as pursueing . If it is motor type electric apparatuses of reaction , such as water pump , electrical machinery ,etc. To accuse of the electric apparatus, you must control indirectly through exchanging the devices , such as ac contactor ,etc. between controller and electric apparatus. the diagram 'Typical wiring diagram of the reaction motor ' to show such as pursueing .



Typical wiring diagram of no reaction or
little reaction electronic device



Typical wiring diagram of the reaction motor

4 Control and check SMS

Send message	Received message	完成功能
1ON	1ON	Control electric apparatus 1 to trun on
2ON	2ON	Control electric apparatus 2 to trun on
1OFF	1OFF	Control electric apparatus 1 to trun off
ALLON	ALLON	Control all the electric apparatuses to turn on
ALLOFF	ALLOFF	Control all the electric apparatuses to turn off
STATE	1ON2OFF	Inquire about the operation state of the electric apparatus
HOST1	HOST1	Set up 1st host's number, can set up 5 at most

5 Dimensions and technical parameters

5.1 Dimensions

✚ 110mm*110mm*35mm (L*W*H)

5.2 Technical parameters

✚ Working volt 12VVDC

✚ Working temperature -20~60°C

✚ Humidity ≤ 90

✚ Control of the largest power: 240VAC/30A