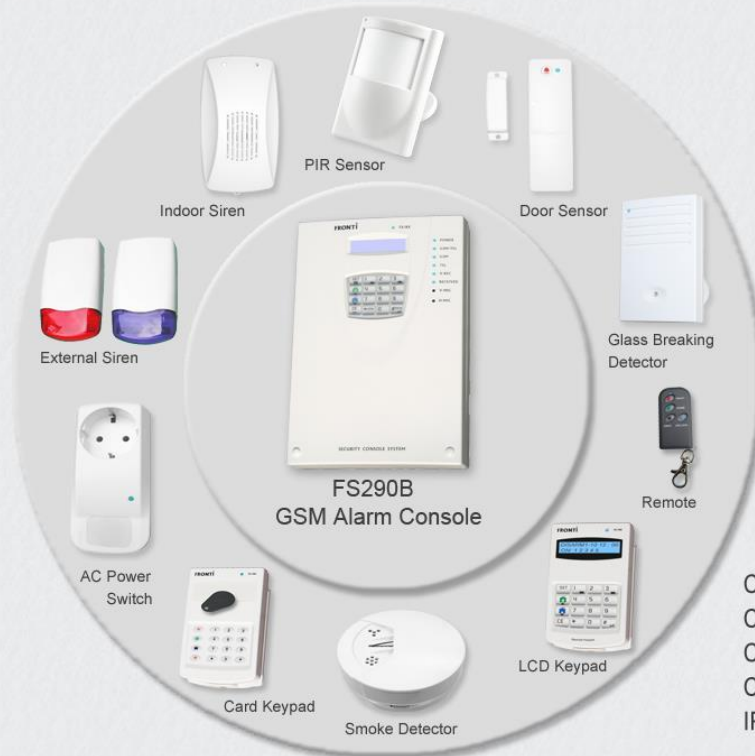


ALARM SYSTEM APPLICATION



Console via GSM/Wi-Fi connect to app
 Console send event to user phone app
 Console call to user phone to play voice
 APP via GSM/Wi-Fi to setting the console
 APP can read event log from the console
 APP can set/read all program data on console



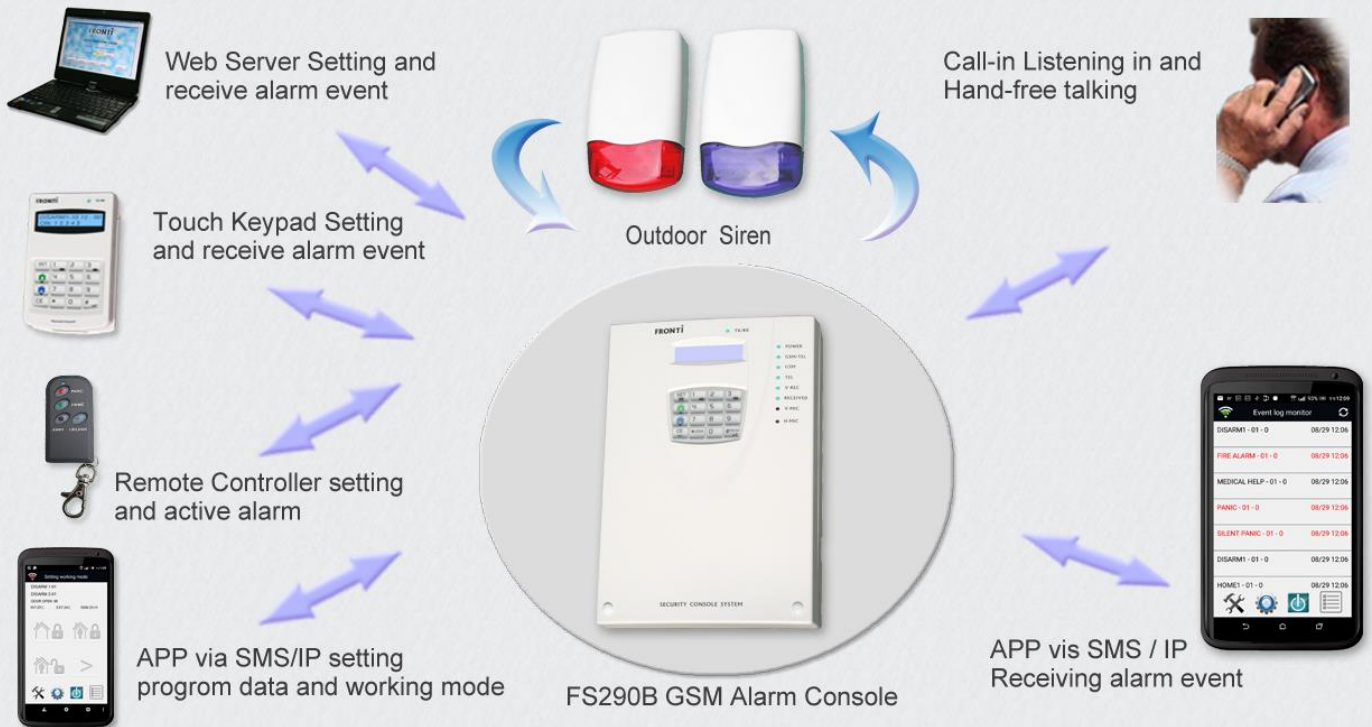
User Phone APP



Web Server Center

Center via SMS/IP to setting the console
 Console send alarm event to the center
 Console call to the center to play voice
 Center can read event from console
 IP Module send E-mail to report event

BASIC OPERATION FUNCTION



ALARM WORKING FUNCTION

4. LCD shows alarm event



AWAY1-01 12:00
PANIC-00 ALARM

3. Trigger outdoor siren and turn the light on



5. Call-out to play voice message
And send SMS event to user phone



6. Send event data via Wi-Fi to server
then send to user phone app

7. Send event via SMS/IP
to alarm event center



1. The intruder is detected by sensors

2. Console is triggered the alarm

HOME AUTOMATION FUNCTION



TEMP LO ON -82
(0-40)
TEMP HI OFF -81
(0-40)

Temperature controls AC power on/off



Temperature Sensor



AC Power loss detector



Turn on/off the
AC Power Switch



APP via SMS/IP turn on/off
The AC Power switch

AC SW TIMER -59
(4/5:0000-2359)

Timer to control AC power on/off



FS290B GSM Alarm console

SPECIFICATION

Power Source	DC 12V 2A by AC adapter
Stand-by Current	80mA (Max)
Working Current	500mA (Max)
Back-up Battery	9.6V/1.2Ahr rechargeable
Battery Back-up time	12HRS (Min)
Working temperature range	-10 deg°C to 60 deg°C
Working frequency	433.92.MHz or 869.25MHz
Broadcast range	150M in a free space
Dimensions	290L x 180W x 70H (mm).Weight: 1.3kg
Package Dimension	320L x 230W x 75H (mm).Weight: 1.6kg

PACKAGES

FS290B GSM Security D/V/SMS & Touch pad & LCD
Rechargeable Back-up battery/AC adapter DC12V/2A
IOT Wi-Fi module APP (Option)

● **Markets & Applications:**

The FS290B is a PSTN/GSM wireless alarm console, which is for Homes & Businesses with multi-division rooms marketing.

The system has completely wireless data communication between wireless sensors and external siren.

Two partitions are separated to Arm/Disarm control, for main house and office or garage house, both area are protected.

It can be combined with Fronti other like PIR, Door/Window sensor, AC power detector, temperature sensor, wireless siren, AC power switch andetc. They are completely wireless communication controlling system.

It can option IOT Wi-Fi module that console can working with IOT APP .

User can on APP via cloud server on anytime and anywhere working with Wi-Fi console.

● **Features:**

1. Two partitions of working mode & 70pcs wireless sensors to trigger alarm & 10pcs remote controller.
2. 10 passwords available on PC, SMS and Keypad to set working mode.
3. 70pcs sensors can be set to have alarm function of 24H, bypass, delay, door chime and silent.
4. Touch pad for operating alarm working mode, LCD display for working mode, 150logs alarm event.
5. Set program's data by keypad, PC and SMS.
6. Set to save local language to the console / event / sensor's name for the report.
7. Can connect to PC on window software read/write setting all programs.
8. It can record 40 seconds and 4 kinds of different emergency voice messages by user.
9. Pre-set to save 2 phone numbers for digital dialer CONTACT ID on alarm calling-out.
10. Pre-set to save 4 phone numbers for playing Voice messages on alarm calling-out.
11. Pre-set to save 3 phone numbers for sending event SMS on alarm calling-out.
12. Low battery supervision is on the console and on each individual sensor.
13. Built-in NC/NO 2wires zone input and 2wire alarms output for external siren and NC/NO switch.
14. With 2 channels of temperature sensors which can display INT/EXT -40 to +60°C level data.
15. It can control the FS148S wireless external siren and report event to FS310W wireless keypad LCD.
16. User can send SMS to control the AC power switch ON/OFF.
17. Temperature sensors HI/LO level can control the AC power switch ON/OFF.
18. Timers can control the AC power switch ON/OFF.
19. Call-in to remote to activate hands-free speakerphone, 2-way voice communication.
20. After being connected to emergency call, the called party can listen-in or talk with.
21. Alarm will call-out to contact ID, and then voice dialer will play voice alarm message.
22. Alarm will send SMS with alarm event, sensor number/name and user name address.
23. Call-in to send SMS command to set working mode and setup alarm program data, it will auto reply SMS to confirm.
24. Call-in to send SMS command to console to request replying working mode.
25. The APP will on local IP router scan the Wi-Fi module then register to cloud server.
26. It can setting working mode by remote controller or smart phone IOT APP.
27. The smart phone IOT APP can view the all setting program alarm data and all event log of the console.