

## Advanced Security Controller

Interface of security module (SB-SEC250K-DN)

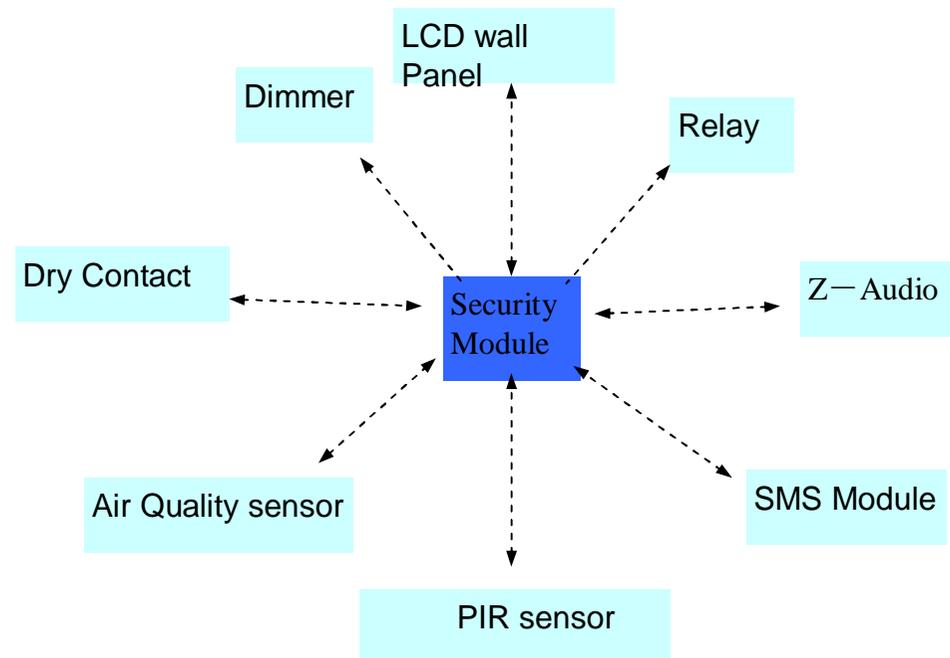


# Advanced Security Controller

## Introduction

work with switches, Sensors, SMS module, Touch screen , Iphone,Ipad,the security module can:

1. Accept Arm/Disarm commands
2. Received sensor trigger
3. Process data
4. Send out commands by IR sensor/Universal to realize its fire protection, security, alarm functions.



## Advanced Security Controller

### Main function

- . Various alarm: trespass/ gas leak/ fire/ high temp (sauna room)/ SOS
- . Various Arm modes: Away/ Vacation/ Night/ Night meeting/ Day
- . Multiple security defense
- . Maximum 8 areas defense
- . History(log) check
- . SMS or Autodial while alarm
- . Alarm Buzzer/ Power Alarm / Gas Alarm / Fire Alarm

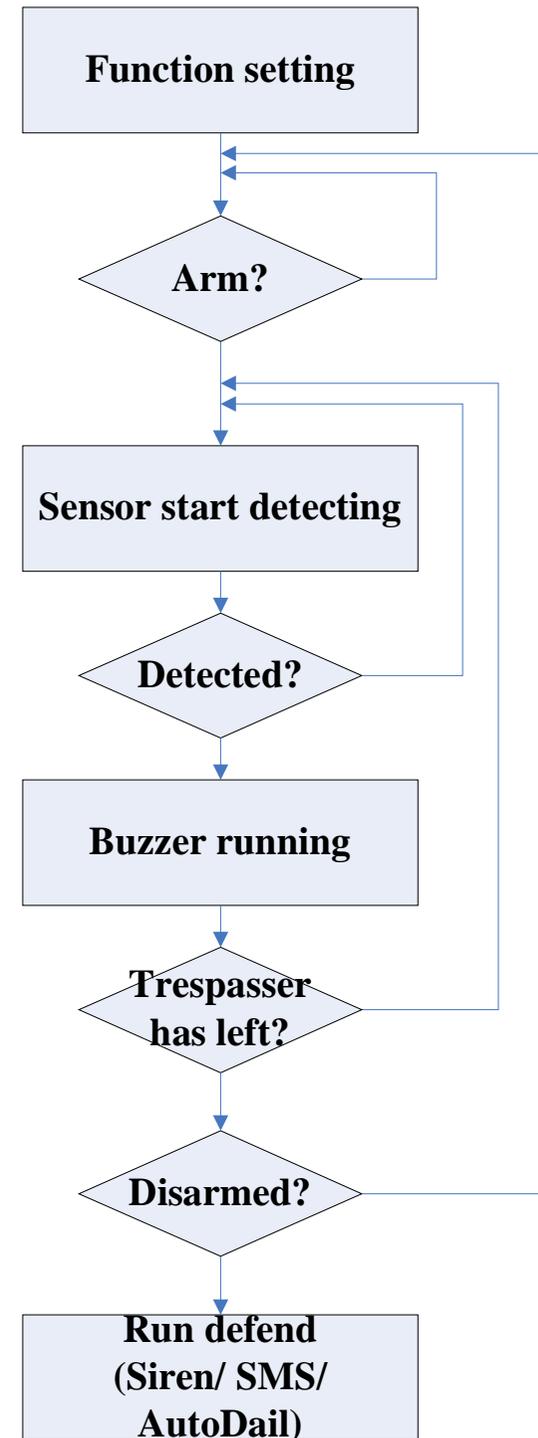
## Advanced Security Controller

### Work flow

**Arm/disarm**  
**Enable/disable security**  
**function mode**

**Buzzer**  
**To tell owner/trespasser to**  
**disarm or leave soon**

**Siren**  
**To warning owner / browbeat**  
**trespasser**



# Programming

# Advanced Security Controller

## Basic information

The screenshot displays the 'Advanced Security Controller' web interface. The browser title is 'Smart Cloud Configuration Software V14.16' and the URL is 'www.SmartHomeBus.com'. The interface includes a navigation menu with tabs: General, Security Basic, Auto Dial Out, Arming Settings, Alarm Commands, Vacation Settings, Bypass, and Advanced Security. The 'General' tab is selected and highlighted with a red circle.

Configuration details for device '1-10-SB-SEC250K-DN' are shown:

- Mode: SB-SEC250K-DN
- SubID: 1, Device ID: 10
- Remark: remark (circled in red)
- MAC Address: 53.02.00.00.00.0B.29
- Date Settings for Logic: 2012年 9月29日星期六 (circled in red), Time: 10:58:35 (circled in red)
- Daylight Saving Time: Start Time and End Time (circled in red)
- Modify SubID and Device ID according to MAC: SubID and Device ID fields (circled in red)

On the right side, there is a 'History Log' section with 'Start Time' and 'End Time' set to '2012- 9-29'. Below this is a table with columns: Index, Date, Time, Address, Cha..., Type, and Remark. A large red box labeled 'History view' covers the table area.

At the bottom, the Windows taskbar shows the system tray with the date '11:01 星期六 2012-9-29'.

# Advanced Security Controller

## Basic Setting

### Set targets for buzzer & Siren

Smart Cloud Configuration Software V14.16

Configure (C) Address(A) Pairing(P) Devices (D) Test(T) Language Backup(B) Developers(P9) Users(U) Other(O) Hotel Help (H)

Advanced Security Controller

General **Security Basic** Auto Dial Out Arming Settings Alarm Commands Vacation Settings Bypass Advanced Security

Select Device

Device: 1-10-SB-SEC250K-DN Area No. 1  Enable

When you are going to arm or alarm, you can use buzzer for help. Please set in further according to need. At any condition you can set 8 objectives at most.

Siren Delay(10---180S) 10 Reset after Alarm(1--30M) 1

Entry Delay(10---180S) 10 Exit Delay(10---180S) 10  More People Leave Mode

BUZZER ON BUZZER OFF

EXIT BUZZER 5S LATER

ALARM BUZZER ON

ALARM BUZZER OFF

SIREN ON SIREN OFF

FIRE SIREN ON

FIRE SIREN OFF

Function no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Parameter 3

开始 T001 Microsoft PowerP... Smart Cloud Con... 未命名.jpg - 画图 11:07 星期六 2012-9-29

# Advanced Security Controller

## Auto Dial out

Smart Cloud Configuration Software V14.16

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (F9) Users (U) Other (O) Hotel Help (H)

Advanced Security Controller

General Security Basic **Auto Dial Out** Arming Settings Alarm Commands Vacation Settings Bypass Advanced Security

Select Device

Device: 1-10-SB-SEC250K-DN Area No. 1  Auto Dial out Target From 10

Device can automatically dial and send out SMS, When needed. Automatic dialing can be set up to 8 targets.

Auto Dial out Target From 1 To 8

Function no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Parameter 3
1	255	255	Invalid	255	255	N/A
2	255	255	Invalid	255	255	N/A
3	255	255	Invalid	255	255	N/A
4	255	255	Invalid	255	255	N/A
5	255	255	Invalid	255	255	N/A
6	255	255	Invalid	255	255	N/A
7	255	255	Invalid	255	255	N/A
8	255	255	Invalid	255	255	N/A

control -> Auto Dialer

Subnet ID of SMS Module: 255 Mode:   
Device ID of SMS module: 255

SMS module ID

Mode select (13 modes)

Message send setting (can send out message to different group in different time periods)

- Message No. 1 19:04:00 To 19:04:00
- Message No. 2 19:04:00 To 19:04:00
- Message No. 3 19:04:00 To 19:04:00
- Message No. 4 19:04:00 To 19:04:00

Refresh Save





# Advanced Security Controller

## Vacation Settings

An extra settings for Vacation mode. Programming some room devices run everyday in different periods, to create an effect of 'owner is staying at home'.

The screenshot shows the 'Advanced Security Controller' configuration window. The 'Vacation Settings' tab is selected and circled in red. The interface includes a menu bar with options like 'Configure', 'Address', 'Pairing', 'Devices', 'Test', 'Language', 'Backup', 'Developers', 'Users', 'Other', 'Hotel', and 'Help'. Below the menu is a toolbar with various icons. The main content area has a 'Select Device' section with a dropdown menu showing '1-10-SB-SEC250K-DN' and an 'Area No.' dropdown showing '1'. A red text instruction reads: 'In holiday, you can set 8 time period to automatically start and stop working. Each period can be set up to 32 targets.' Below this is a table with columns 'Enable', 'Index', 'Start Time', and 'End Time'. The 'Enable' column has checkboxes for indices 1 through 8. To the right of this table is a 'Target Num.' section with 'From' and 'To' input fields (both set to 1 and 10 respectively) and radio buttons for 'ON' and 'OFF'. Below this is a table with columns 'Function no.', 'Subnet ID', 'Device ID', 'Type', 'Parameter 1', 'Parameter 2', and 'Parameter 3'. At the bottom of the window are 'Refresh', 'Save', and 'Exit' buttons. The Windows taskbar at the bottom shows the start button, several open applications, and the system tray with the date '2012-9-29' and time '11:19'.

Enable	Index	Start Time	End Time
<input type="checkbox"/>	1	0:0:0	0:0:0
<input type="checkbox"/>	2	0:0:0	0:0:0
<input type="checkbox"/>	3	0:0:0	0:0:0
<input type="checkbox"/>	4	0:0:0	0:0:0
<input type="checkbox"/>	5	0:0:0	0:0:0
<input type="checkbox"/>	6	0:0:0	0:0:0
<input type="checkbox"/>	7	0:0:0	0:0:0
<input type="checkbox"/>	8	0:0:0	0:0:0

Function no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Parameter 3

# Advanced Security Controller

## ByPass Settings

Before enable arm ,We can check whether door/window are closed by detecting specific magnetic sensors/dry contact .

Smart Cloud Configuration Software V14.16

Configure (C) Address(A) Pairing(P) Devices (D) Test(T) Language Backup(B) Developers (F9) Users(U) Other(O) Hotel Help (H)

Advanced Security Controller

General Security Basic Auto Dial Out Arming Settings Alarm Commands Vacation Settings **ByPass** Advanced Security

Select Device:

Device: 1-10-SB-SEC250K-DN

Area No. 1  AUTO Bypass

When about to arm, this module will be check if everyone is OK,for example,if windows are closed. You can select up to 32 devices for checking.

Index	Enable	Subnet ID	Device ID	Parameter 1
1	<input type="checkbox"/>	255	255	255
2	<input type="checkbox"/>	255	255	255
3	<input type="checkbox"/>	255	255	255
4	<input type="checkbox"/>	255	255	255
5	<input type="checkbox"/>	255	255	255
6	<input type="checkbox"/>	255	255	255
7	<input type="checkbox"/>	255	255	255
8	<input type="checkbox"/>	255	255	255
9	<input type="checkbox"/>	255	255	255
10	<input type="checkbox"/>	255	255	255
11	<input type="checkbox"/>	255	255	255
12	<input type="checkbox"/>	255	255	255
13	<input type="checkbox"/>	255	255	255
14	<input type="checkbox"/>	255	255	255
15	<input type="checkbox"/>	255	255	255

Refresh Save Exit

开始 1001 Microsoft PowerP... Smart Cloud Con... 未命名.jpg - 画图 11:21 星期六 2012-9-29

# Advanced Security Controller

## Advanced Security

If the trespasser keep staying when the alarm running, then the advanced security defense will be triggered.

Smart Cloud Configuration Software V14.16

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (F9) Users (U) Other (O) Hotel Help (H)

Advanced Security Controller

General Security Basic Auto Dial Out Arming Settings Alarm Commands Vacation Settings Bypass **Advanced Security**

Select Device

Device: 1-10-SB-SEC250K-DN Area No. 1

When all settings before still can not help you out of danger, you can start the ninth and tenth grade level protection .Each level can be set to 32 goals.

Target Num. From 1 To 10  9th Defence  10th Defence

Function no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Parameter 3
1	255	255	Invalid	255	255	N/A
2	255	255	Invalid	255	255	N/A
3	255	255	Invalid	255	255	N/A
4	255	255	Invalid	255	255	N/A
5	255	255	Invalid	255	255	N/A
6	255	255	Invalid	255	255	N/A
7	255	255	Invalid	255	255	N/A
8	255	255	Invalid	255	255	N/A
9	255	255	Invalid	255	255	N/A
10	255	255	Invalid	255	255	N/A

Refresh Save Exit

11:23 星期六 2012-9-29

# Advanced Security Controller

## 9in1 sensor(SB-9in1T-CL) security setting



Smart Cloud Configuration Software V14.16

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (FG) Users (U) Other (O) Hotel Help (H)

### 9 in 1 Multifunction Sensor

General IR Emitter IR Receiver Logic **Security**

Select device  
Device: 1-13-SB-9in1T-CL

SN	Sensor	Remark
1	Dry contact 1	
2	Dry contact 2	
3	Motion sensor	

#### Security

Dry contact 1 Remark

Enable Security

Select Condition:  N.C.  NO

Security Module: Subnet ID: 255 Device ID: 255 Area

Select Mode: Security Mode

Vacation  Away  Night  Night with Guest  Day

Delay

Save

Active Link Via: Ethernet Current IP: 192.168.1.68 Total Devices: 3 Best Viewed at 1024x768 Resolution

开始 T001 Microsoft PowerP... Smart Cloud Con... 未命名.jpg - 画图 11:28 星期六 2012-9-29

Security ID, area, mode setting

# Advanced Security Controller

security setting in 4-Zone Dry Input Module (SB-4Z-UN)



Smart Cloud Configuration Software V14.16

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (F9) Users (U) Other (O) Hotel Help (H)

ON-line devices

Status	Subnet ID
✓	1
✓	1

### 4-Zone Dry Input Module

General Dry Contact **4Z with Security**

Device Address  
Subnet ID: 1 Device ID: 19  
Model: SB-4Z-UN

Dry Contact and Security  
Select Dry Contact No: 1 Remark:

Enable security function for above dry contact No

Trigger condition  
 Disconnect  Connect

Security Module:  
Subnet ID: 255 Device ID: 255 Area:

Select mode for using current dry contact: Security Arm Mode

Vacation  Away  Night  Night Guest  Day  
 Delay

Status of 4Z  
Dry Contact No1, Trigger Condition: Disabled, Status: Disabled  
Dry Contact No2, Trigger Condition: Disabled, Status: Disabled  
Dry Contact No3, Trigger Condition: Disabled, Status: Disabled  
Dry Contact No4, Trigger Condition: Disabled, Status: Disabled

Active Link Via: Ethernet Current IP: 192.168.1.68 Total Devices: 2 Best Viewed at 1024x768 Resolution

开始 T001 Microsoft PowerP... Smart Cloud Con... 未命名.jpg - 画图 11:44 星期六 2012-9-29

# Advanced Security Controller

Configure keys for security Arm/Disarm in SB-DLP

We can press the keys to arm/disarm.



Smart Cloud Configuration Software V14.16

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (F9) Users (U) Other (O) Hotel Help (H)

DDP

General **Button Assignment** Air conditioning Floor Heating Music Page Remote Control

Select panel  
Device: 1-20-SB-DDP

Current button: 1 Mode: Single on/off Input function no. from: 1 To: 1 Confirm

Button no.	Remark	Mode
1	Away	Single on/off
2	Day	Single on/off
3	Night	Single on/off
4	Disarm	Single on/off

Function no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Parameter 3
1	1	15	Single channel lighting control	49(Channel no.)	100(Intensity %)	0.0(Run...

Button modification

Remark...  
Mode...  
Function...  
Joining buttons...  
PIC upload...  
Mode linking...  
Dimming and LED...

11:49 星期六 2012-9-29

## Advanced Security Controller

### Application example

1. Security module:  
set targets(lamp/z-audio) for enter buzzer, exit buzzer,  
alarm buzzer, indoor/outdoor siren;  
enable area 1;
2. Security function programming of 8in1 sensor:  
select area 1  
select mode: other security level  
enable: AWAY/DAY/NIGHT/VACATION  
enable: Delay
3. Set Away/Day/Night/Disarm security mode in DLP