

Open/Close Area

The **Open/Close Area** file is an optional feature that allows you to define a group of Readers and/or Input Circuits as an area. An “**Area**” controls the inputs and readers **assigned** in that **area**. You can create a path into the **area** to access the **initiating device** (Keypad Reader or Input switch) you can enable or disable the area with a **Card+Key transaction**, **Input activation** or a **Manual Command** from a Workstation. An attempt to close an **area** with any device in the **area** unsecured will result in an Alarm.

Open/Close Area Defined

When the area is “**Open**” the inputs or alarms are shunted and the readers are normal (active).

When an area is “**Closed**” the readers are **Locked out** (cannot be used) and the inputs or alarms are active.

Controlling Circuit Requirements

A latching type switch is required for the **input**, i.e. “Toggle Switch” and a **keypad reader** is required to open or close an area.

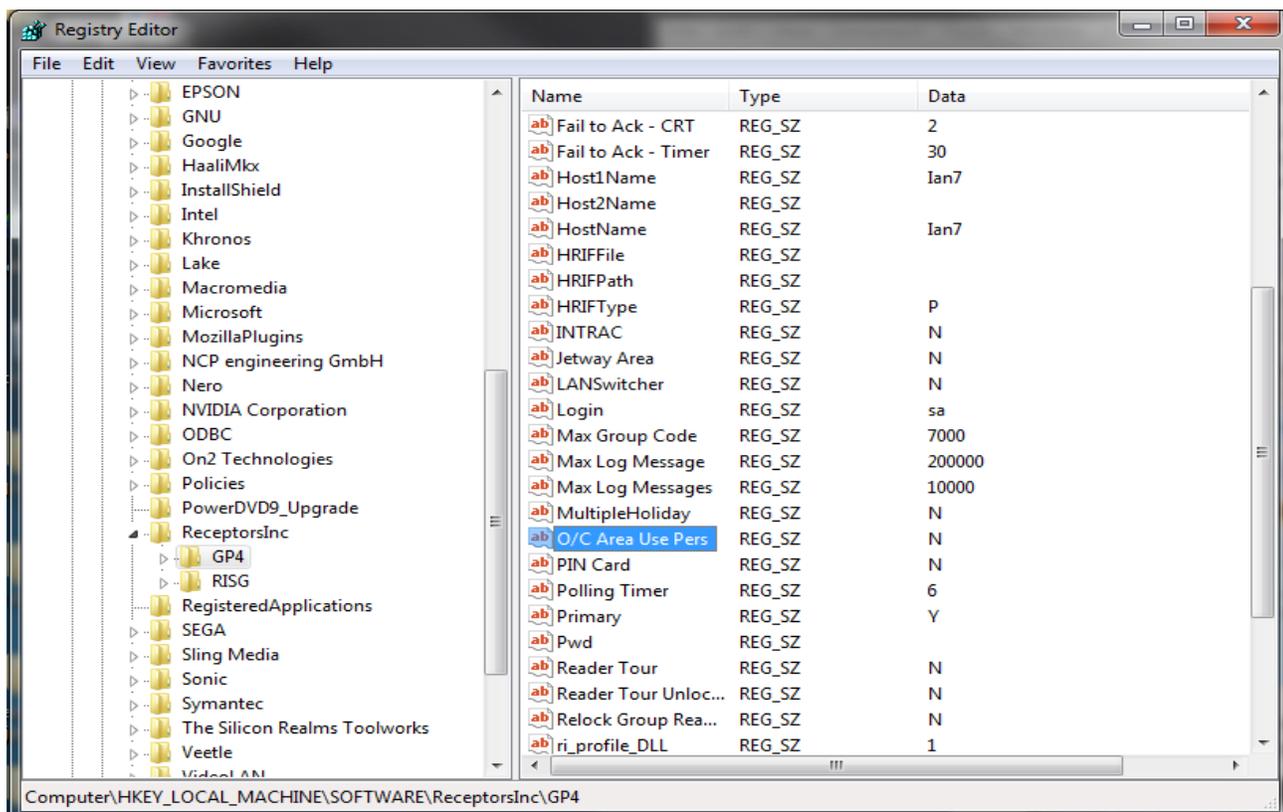
To open and close the Area using a Keypad Reader

To open an area you must press * followed by the pin number example ***12345**. To close an area you must press # followed by the pin number example #**12345**.

Using a Authorized card

There are 2 ways to authorized a card use,

1. **Detail\Authorized Card:** Enter the card number here if you have a small amount of cards used for Open/Close area or just want more control of the cards being issued for open/close.
2. **Using the Master Personnel Record and a group code.** This is good option if you have a large amount of cards to open/close an area, you will need to make a registry entry change this is so the **Open/Close Area** will look in the Master Personnel file for cards that are active and have been assigned a group code with that reader available to open/close the area. Service 2 and 3 **MUST** be restarted after a registry entry change.
3. Go to start menu “Run” box type in “regedit” under HKEY_LOCAL_MACHINE\SOFTWARE\ReceptorsInc\GP4 in the right side of the screen look for “O/C Area Use Pers” and change the value from N (no) to “Y” (yes)



Field Names

1. **Area Number:** Is the number assigned to this Open/Close Area Record. This is the number used to call up a specific Open/Close Area Record.
2. **Area Name:** Descriptive Name of the Area, 8 alpha-numeric characters maximum.
3. **Description:** Text description of the Area, 70 alpha-numeric characters Maximum
4. **Detail:** is where the **Area Detail Box is located** listing the following:

Path Circuits: The input circuits entered here are the circuits between the Area Input and the Controlling Circuit, these inputs are shunted for the period entered in the entry timer box. If you fail to get to the Controlling Circuit and time expires an alarm will be generated.

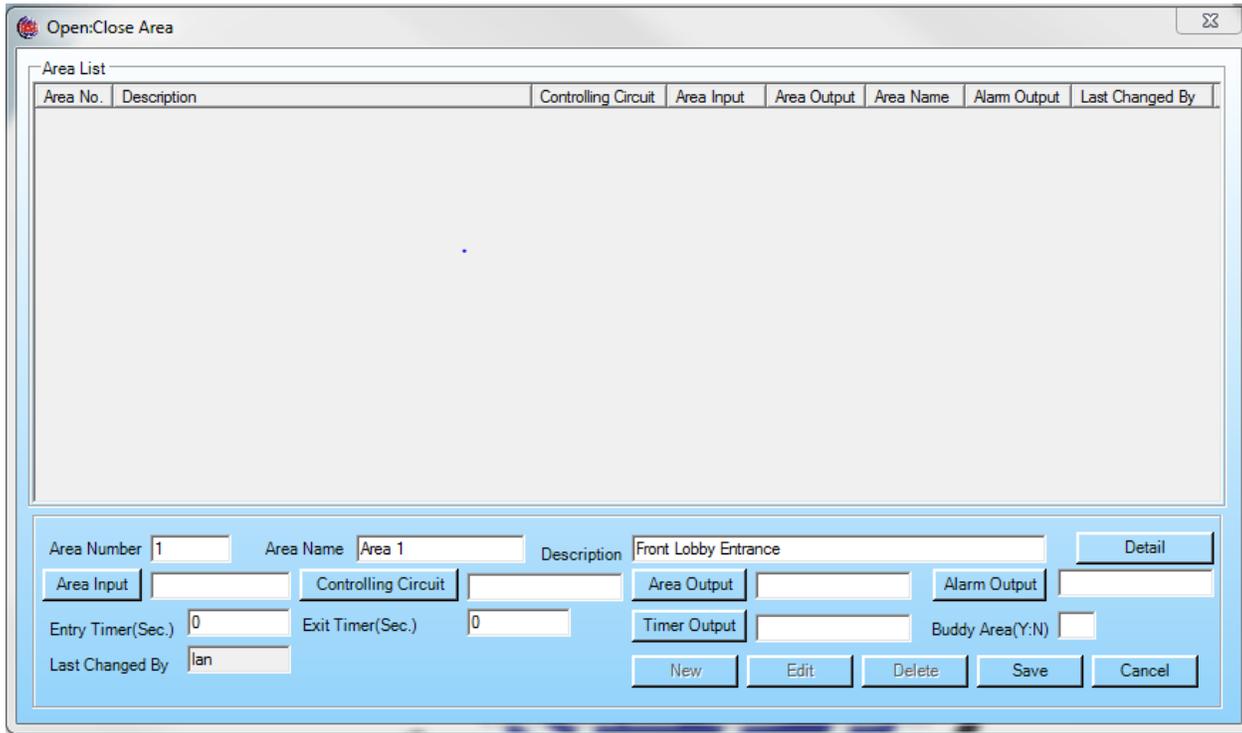
Controlled Circuits: The input and reader circuits entered here are circuits that are controlled within the area, when the Area is open the inputs are shunted and the readers are ready for use. When the Area is closed the inputs are active and the readers are locked out.

Authorized Card: Enter the card numbers here if you have a small amount of cards used for open/close area.

5. **Area Input:** Clicking on the **Area Input** button will display a list of Inputs programmed in the system. Programming an Area Input is optional and is not needed to open and close an area. Selecting an Input Circuit will initiate the Entry Timer when opening the Area and cancels the Exit Timer when closing the Area. If the tasks are not completed in the allotted time the system will timeout and an alarm will be generated. The most common use of the Area input is a Door contact that is wired to General Purpose Input. Select the input from the list and click OK.
6. **Controlling Circuit:** Clicking on the **Controlling Circuit** button will display a list of Readers or Inputs programmed in the system. If you select **Input** the Input Switch must be a latching switch, i.e. Toggle Switch, you must use a Keypad reader for the controlling circuit. To open the area using a Keypad Reader you must press * first followed by the pin number example *12345 to close an area you must press # followed by the pin number example #12345.
7. **Area Output:** Circuit turns on when Area is opened and turns off when the Area is closed. Clicking on the **Area Output** button will display a list of Outputs programmed in the system.
8. **Alarm Output:** This output turns on when any Controlled Circuit within a closed Area is activated. Clicking on the **Alarm Output** button will display a list of Outputs programmed in the system.
9. **Entry Timer:** Amount of time, in seconds, allotted to open an Area from the Controlling Circuit after the Area Input has been activated. When a time is entered here the Area# will be removed from Open/Closed command from the alarm screen preventing a manual command from being sent from the Alarm Screen. Applies to software versions 7603 and up.
10. **Exit Timer:** Amount of time, in seconds, allotted to activate or exit through the Area Input after closing the Area with the Controlling Circuit.
11. **Timer Output:** Output circuit activated when Entry Timer or Exit Timer have expired before the Open/Close process is successfully completed. Clicking on the **Timer Output** button will display a list of Outputs programmed in the system.
12. **Buddy Area:** For future use. Does not apply at this time

Building a Open/Close Area Record

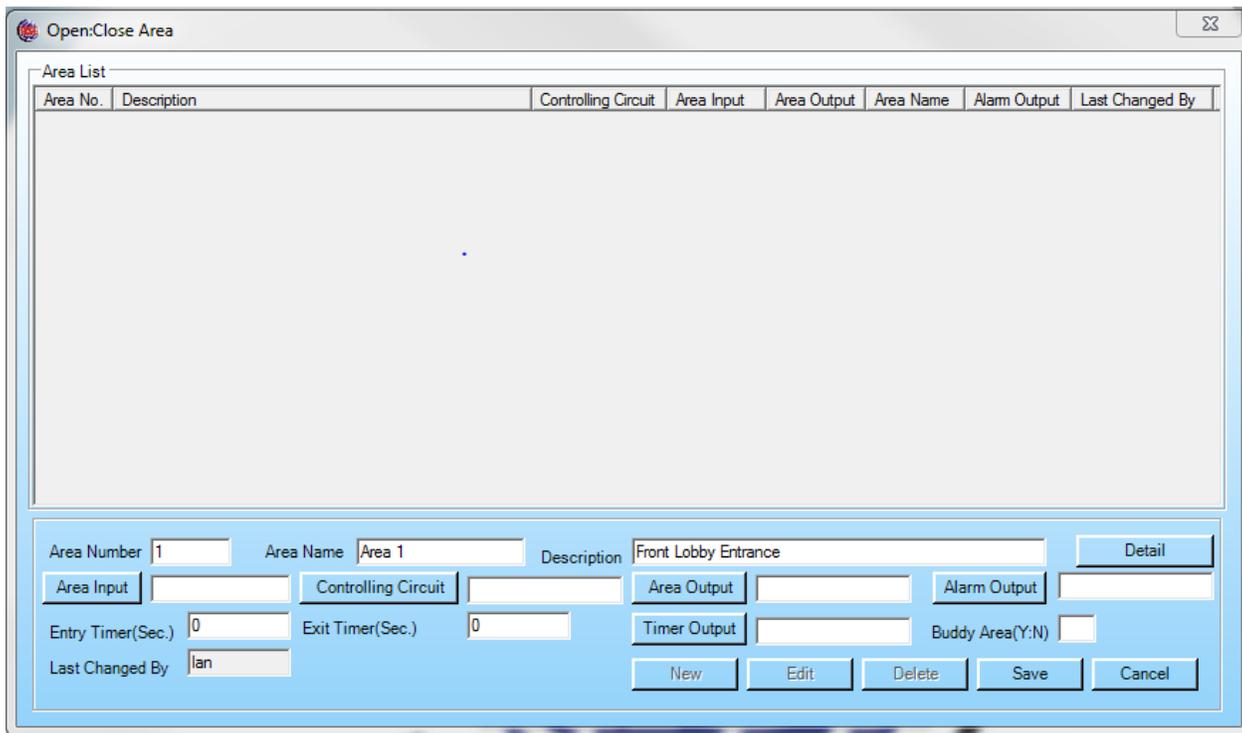
Once the Open/Close window is opened Click on **new**, the Open/Close Area Record window will display and you can enter data:



The screenshot shows the 'Open:Close Area' window. At the top is a table titled 'Area List' with columns: Area No., Description, Controlling Circuit, Area Input, Area Output, Area Name, Alarm Output, and Last Changed By. Below the table is a form with the following fields and buttons:

- Area Number:
- Area Name:
- Description:
- Area Input:
- Controlling Circuit:
- Area Output:
- Alarm Output:
- Entry Timer(Sec.):
- Exit Timer(Sec.):
- Timer Output:
- Buddy Area(Y:N):
- Last Changed By:
- Buttons:

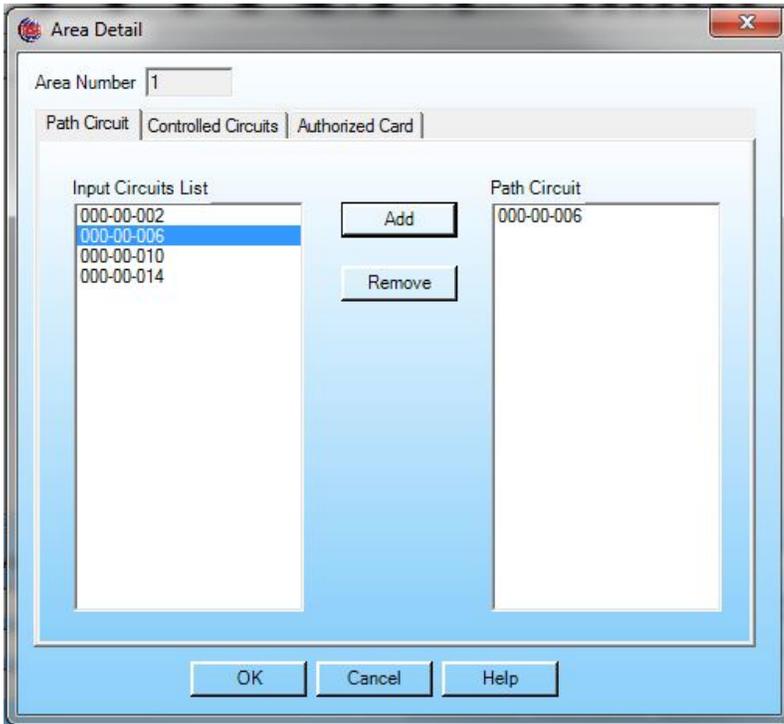
Begin by entering an **Area Number**, **Area Name** and a **Description** for the Area you are creating, at anytime you may save the record.



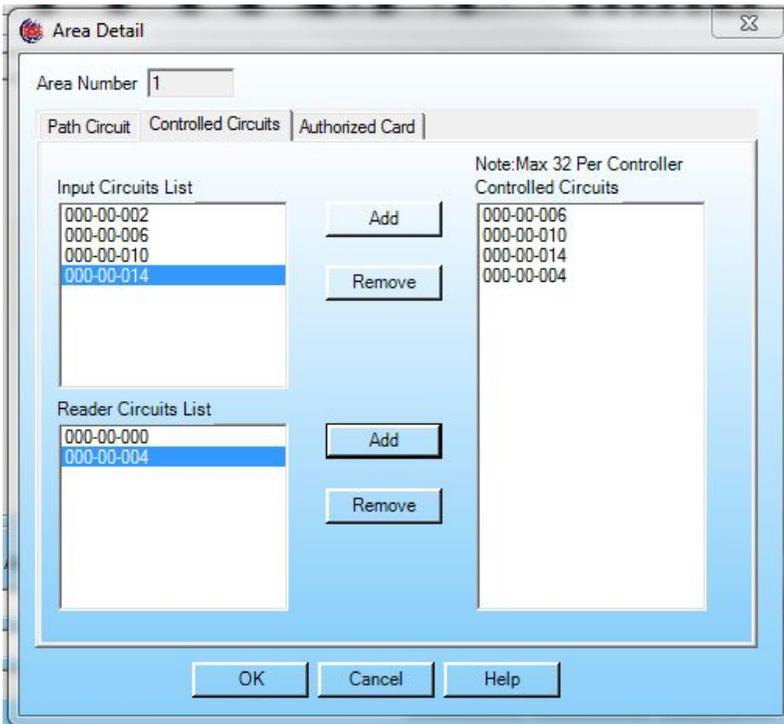
This screenshot is identical to the one above, showing the 'Open:Close Area' window with the form for creating a new area record. The fields and buttons are the same as described in the previous image.

Detail: Area Detail

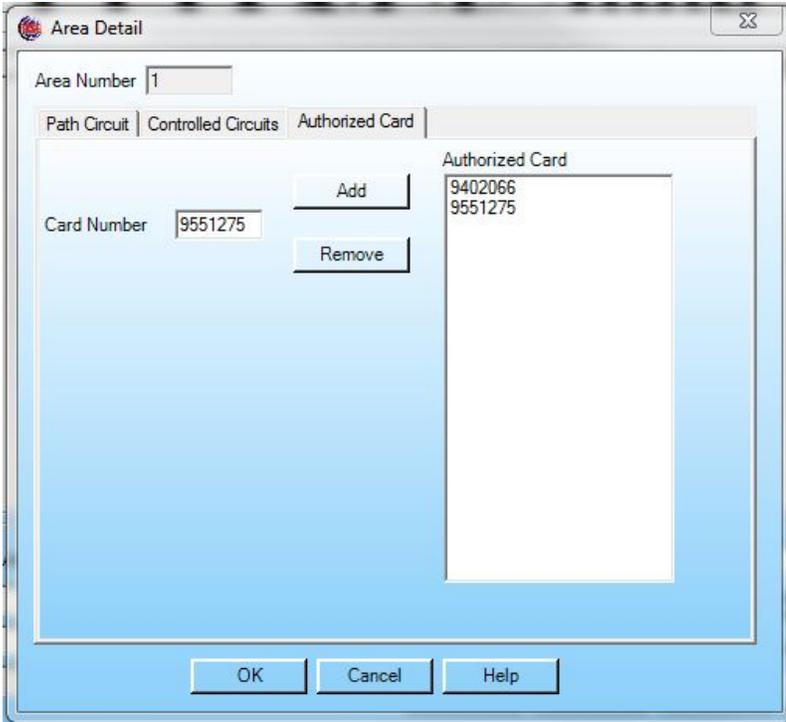
Path Circuits: The input circuits entered here are the circuits between the Area Input and the Controlling Circuit; these inputs are shunted for the period entered in the entry timer.



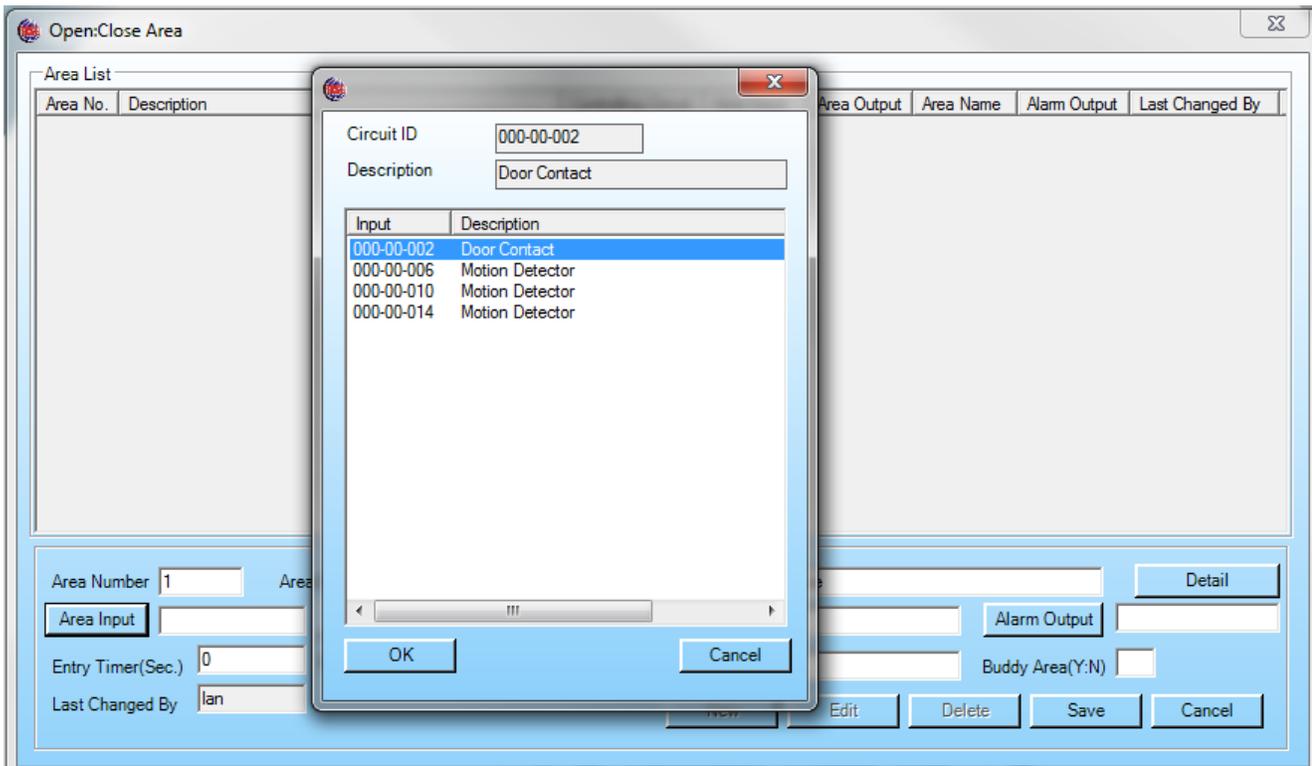
Controlled Circuits: The Input and Reader circuits that are added into the Controlled Circuits field are the circuits that are controlled by the Open/Close area number.



Authorized Card: Enter the card numbers here and click on add to add the card to the Authorized Card column. Click on OK when finished



Area Input: Clicking on the **Area Input** button will display a list of Inputs programmed in the system. Programming an Area Input is optional and is not needed to open and close an area. Selecting an Input Circuit will initiate the Entry Timer when opening the Area and cancels the Exit Timer when closing the Area. The Entry Timer is the time you have to get to the Controlling Circuit to open the Area, The Exit Timer is the time you have to get to the Area Input after using the Controlling Circuit in closing the Area if the tasks are not completed in the allotted time the system will timeout and an alarm will be generated. Select the input from the list and click OK.



Area Input Entered

The screenshot shows the 'Open:Close Area' dialog box. At the top, there is a title bar with a close button. Below it is an 'Area List' table with the following columns: Area No., Description, Controlling Circuit, Area Input, Area Output, Area Name, Alarm Output, and Last Changed By. The table is currently empty. Below the table is a form with the following fields and buttons:

Area Number	1	Area Name	Area 1	Description	Front Lobby Entrance	Detail					
Area Input	000-00-002	Controlling Circuit		Area Output		Alarm Output					
Entry Timer(Sec.)	0	Exit Timer(Sec.)	0	Timer Output		Buddy Area(Y:N)					
Last Changed By	lan						New	Edit	Delete	Save	Cancel

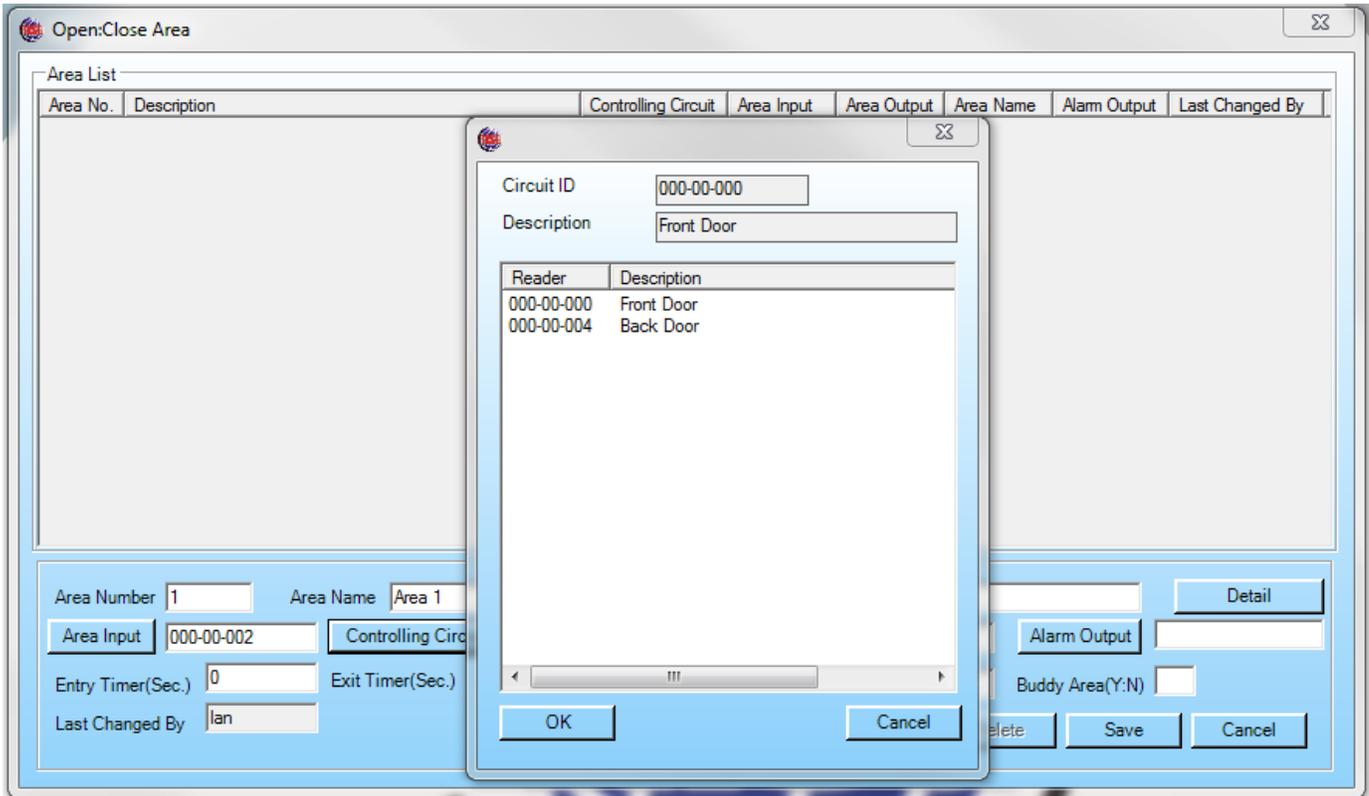
Controlling Circuit: Is an Reader or Input circuit that opens or closes the Area, Clicking on the **Controlling Circuit** button will open the **Select Circuit Type** box and here you choose either a **Reader** or **Input** to be the **Controlling Circuit**, If you select Reader for the controlling circuit the **Reader** must be a **Keypad Reader** If you Select **Input** for the controlling circuit the **Input Switch** must be a **latching type IE Toggle Switch**, After you choose the circuit type, click on **OK**, and a list will display showing the Readers or Inputs programmed in the system.

The screenshot shows the 'Open:Close Area' dialog box with the 'Select Circuit Type' dialog box open. The 'Select Circuit Type' dialog box has the following fields and buttons:

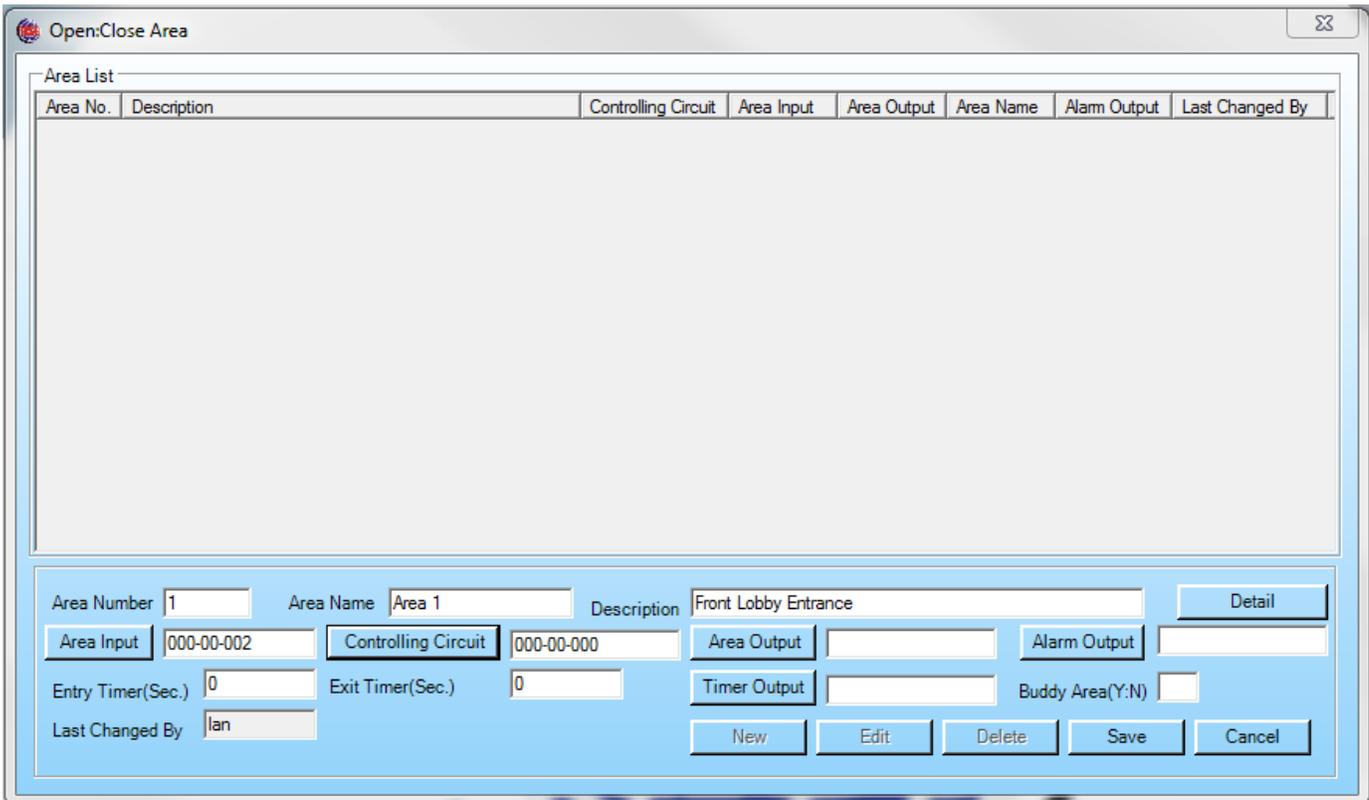
Select Circuit Type	
<input checked="" type="radio"/> Reader	
<input type="radio"/> Input	
OK	Cancel

The 'Open:Close Area' dialog box is in the background, showing the same form fields as in the previous screenshot.

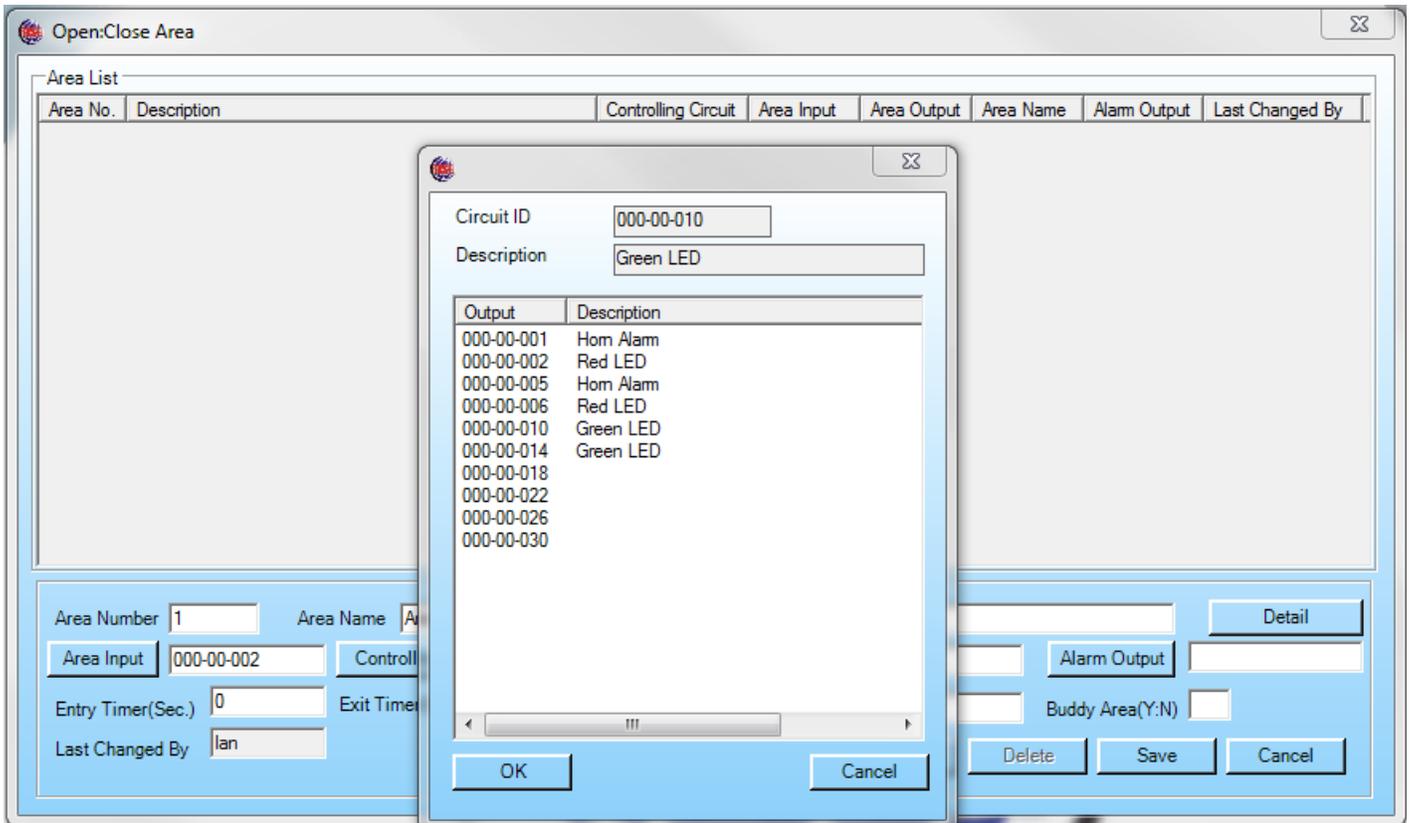
We have selected a Reader for our example, choose a reader from the list and click OK, When using a **Keypad Reader** for the controlling circuit to open the area you must press * (open) first followed by the pin number example ***12345**, to close an area you must press # (close) followed by the pin number example **#12345**



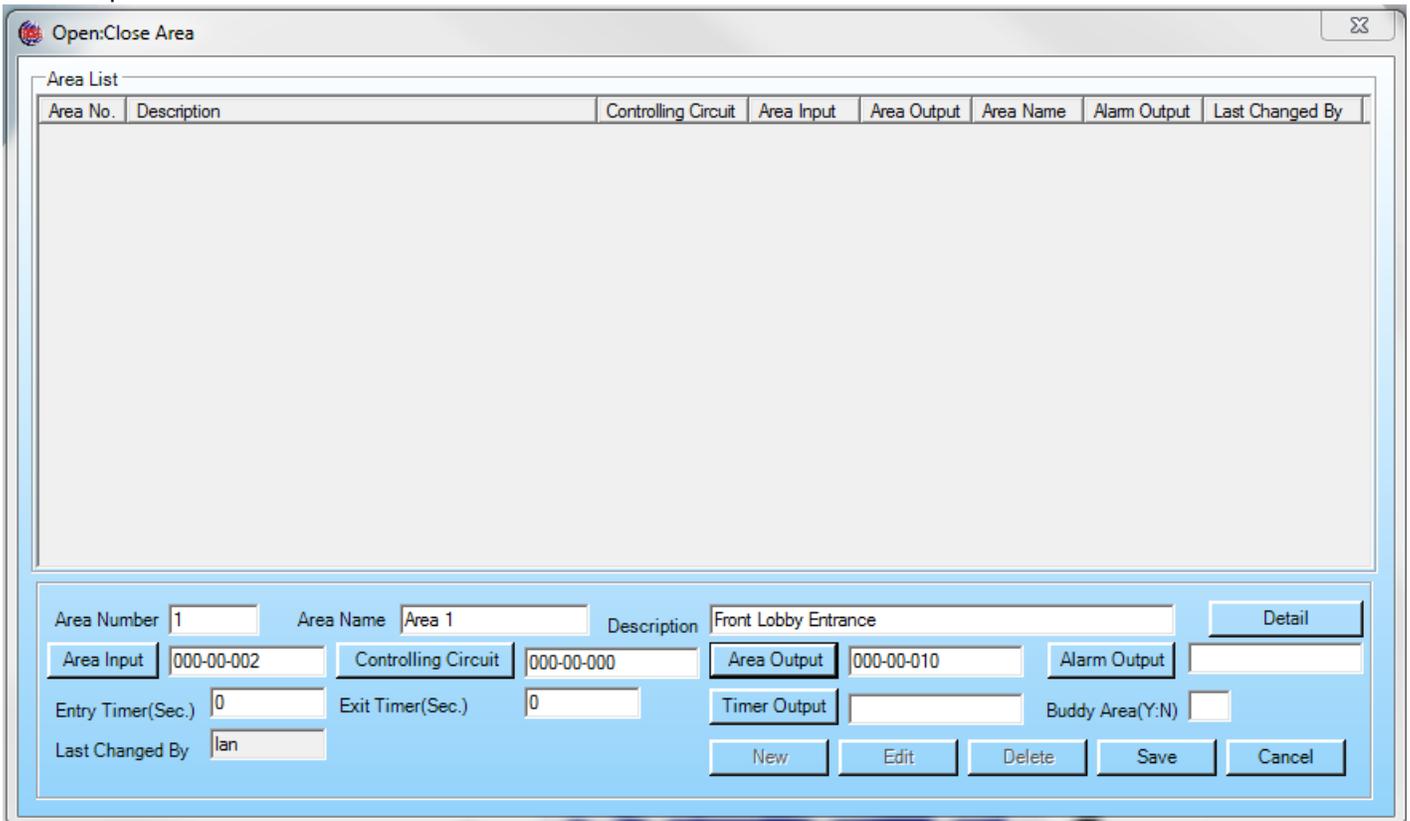
Controlling Circuit Entered



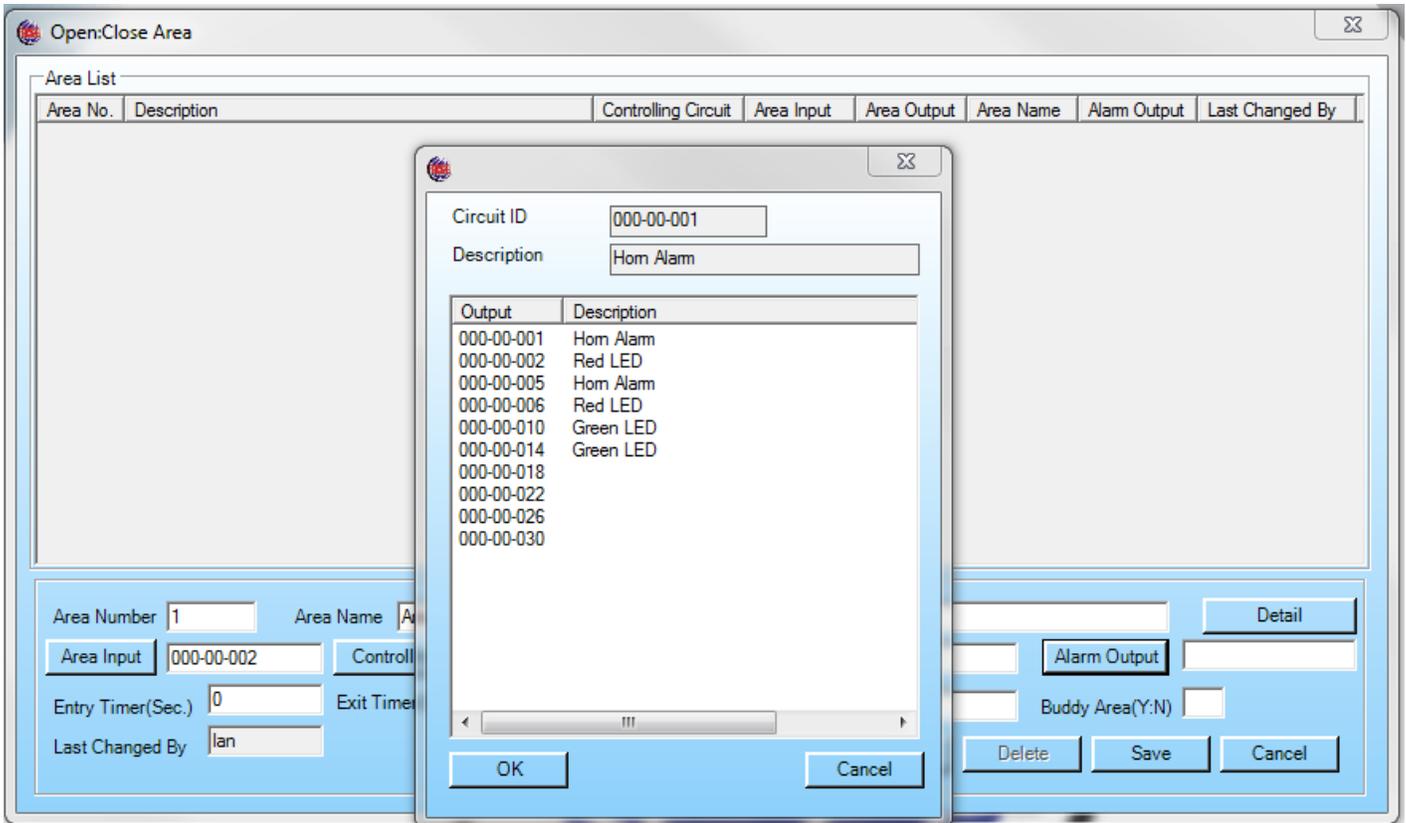
Area Output: is a Circuit that turns on when Area is opened and turns off when the Area is closed, usually an LED on or near the reader. Clicking on the **Area Output** button will display a list of Outputs programmed in the system, after you select an Output from the list click OK.



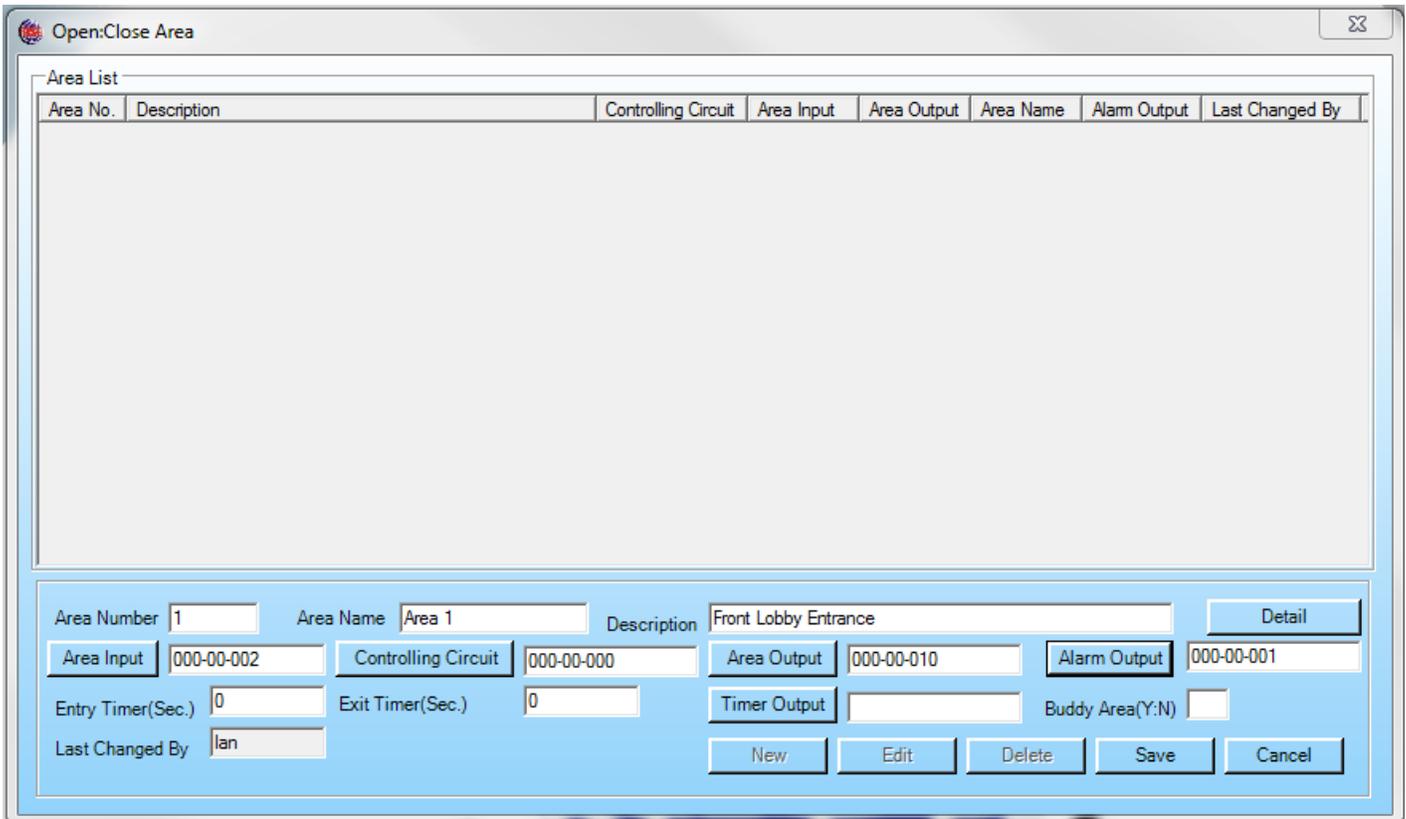
Area Output Entered



Alarm Output: This Output turns on when any Controlled Circuit within a closed Area is activated. Clicking on the **Alarm Output** button will display a list of Outputs programmed in the system, after you select an Output from the list click OK.



Alarm Output Entered



Entry Timer: Amount of time, in seconds, allotted to open an Area from the Controlling Circuit after the Area Input has been activated. When a time is enter here the Area# will be removed from Open/Closed command from the alarm screen preventing a manual command from being sent from the Alarm Screen, Applies to software versions 7603 and up.

Exit Timer: Amount of time, in seconds, allotted to activate or exit through the Area Input after closing the Area with the Controlling Circuit. The **Entry/Exit Timer** entries are only used if you have entered an **Area Input**.

Area No.	Description	Controlling Circuit	Area Input	Area Output	Area Name	Alarm Output	Last Changed By
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Area Number: 1 Area Name: Area 1 Description: Front Lobby Entrance Detail

Area Input: 000-00-002 Controlling Circuit: 000-00-000 Area Output: 000-00-010 Alarm Output: 000-00-001

Entry Timer(Sec.): 60 Exit Timer(Sec.): 60 Timer Output: Buddy Area(Y:N):

Last Changed By: lan

Buttons: New, Edit, Delete, Save, Cancel

Timer Output: Is a Output circuit that is activated when an Entry Timer or Exit Timer have expired before the Open/Close process is successfully completed. Clicking on the **Timer Output** button will display a list of Outputs programmed in the system.

Circuit ID: 000-00-002

Description: Red LED

Output	Description
000-00-001	Hom Alarm
000-00-002	Red LED
000-00-005	Hom Alarm
000-00-006	Red LED
000-00-010	Green LED
000-00-014	Green LED
000-00-018	
000-00-022	
000-00-026	
000-00-030	

Buttons: OK, Cancel

Click on Save to save the record.

The screenshot shows the 'Open/Close Area' dialog box. At the top, there is a title bar with a close button. Below it is a section labeled 'Area List' containing an empty table with the following columns: Area No., Description, Controlling Circuit, Area Input, Area Output, Area Name, Alarm Output, and Last Changed By. Below the table is a form with the following fields and buttons:

- Area Number:
- Area Name:
- Description:
- Area Input:
- Controlling Circuit:
- Area Output:
- Alarm Output:
- Entry Timer(Sec.):
- Exit Timer(Sec.):
- Timer Output:
- Buddy Area(Y:N):
- Last Changed By:

At the bottom of the form are five buttons: New, Edit, Delete, Save, and Cancel. A 'Detail' button is also present next to the Description field.

The record now displays in the Open/Close Area Box you can **Edit**, **View**, or **Delete** an **Open/Close Area Record** by just highlighting the record.

The screenshot shows the 'Open/Close Area' dialog box with the 'Area List' table populated. The first row is highlighted and contains the following data:

Area No.	Description	Controlling Circuit	Area Input	Area Output	Area Name	Alarm Output	Last Changed By
1	Front Lobby Entrance	000-00-000	000-00-002	000-00-010	Area 1	000-00-001	lan

The form fields below the table are identical to the previous screenshot, showing the details for the selected record.

Finished