
**PROGRAMING AN SRCNX-R
SMS V.5.3.5 AND BELOW**

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OVERVIEW

The SRCNX-R is a new IP enabled controller from Schlage. SMS versions 5.3.5 and below do not natively support the SRCNX-R however it is still possible to use it by programming it as if it were an SRCNX. This document will detail how to set up the new SRCNX-R in older versions of SMS.

The SRCNX-R has three different model types depending on the number of contacts and relays associated with the board: **SRCNX-R0**, **SRCNX-R1** and **SRCNX-R2**.

- **SRCNX-R0**: No contacts or relays
- **SRCNX-R1**: One SIONX-8 is attached providing up to 8 contacts and 8 relays
- **SRCNX-R2**: Two SIONX-8s are attached providing up to 16 contacts and 16 relays

Each of these model types is covered in its own section in this document. Go to the appropriate section of this document for the type of device being programmed.

NOTE: The SRCNX-R series Controllers operate **ONLY** at a network speed of 10BaseT.

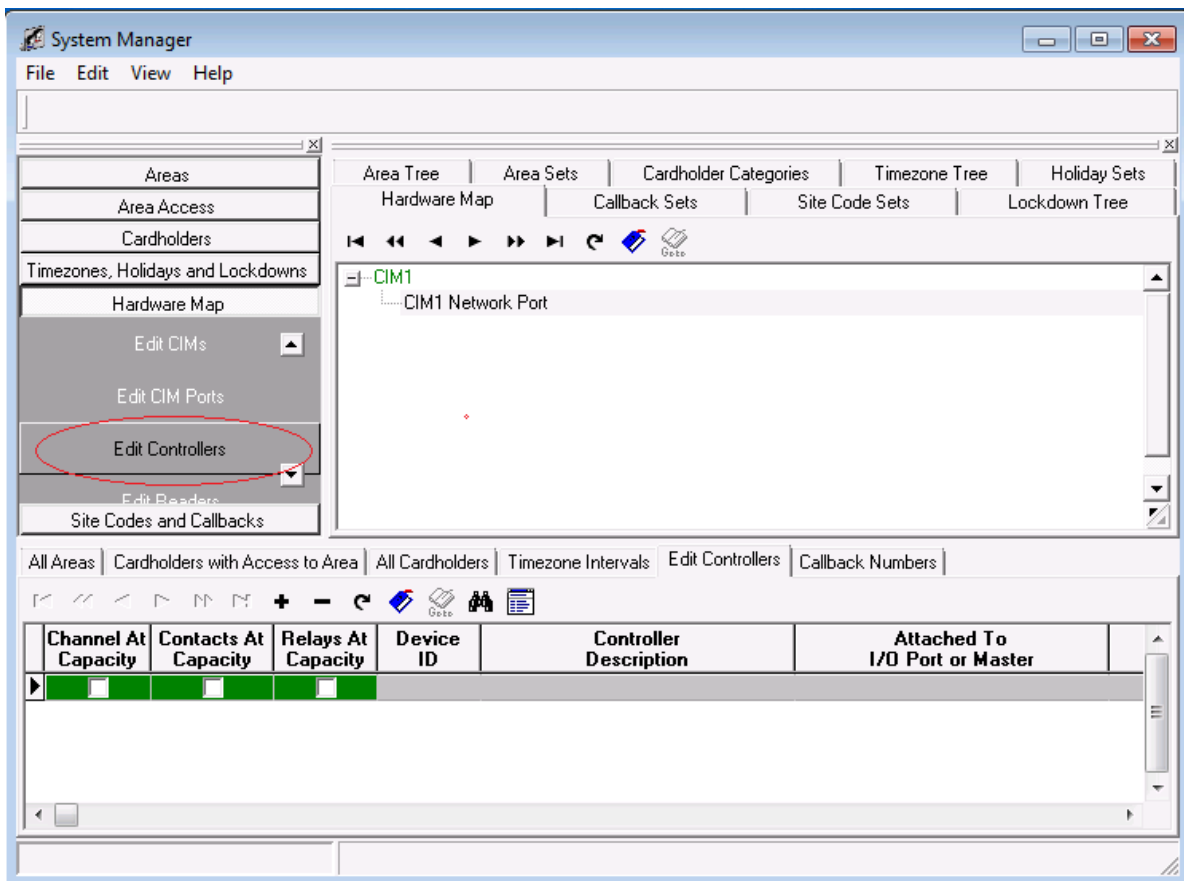
SRCNX-R0

The SRCNX-R0 will be defined as an SRCNX-16 with no expansion, no contacts, and no relays. It can support up to 8 devices of the same protocol per channel and has two channels (channel 2 and channel 3) for a total of 16 devices. F-series and SMS protocol devices cannot be put on the *same channel*. You can have all F protocol devices on one channel and all SMS protocol devices on the second channel. You may also have both channels configured to support all SMS or F Series protocol.

Programming a SRCNX-R0 as a Controller

Follow the instructions below to set up your SRCNX-R0 as a Controller:

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Controllers.



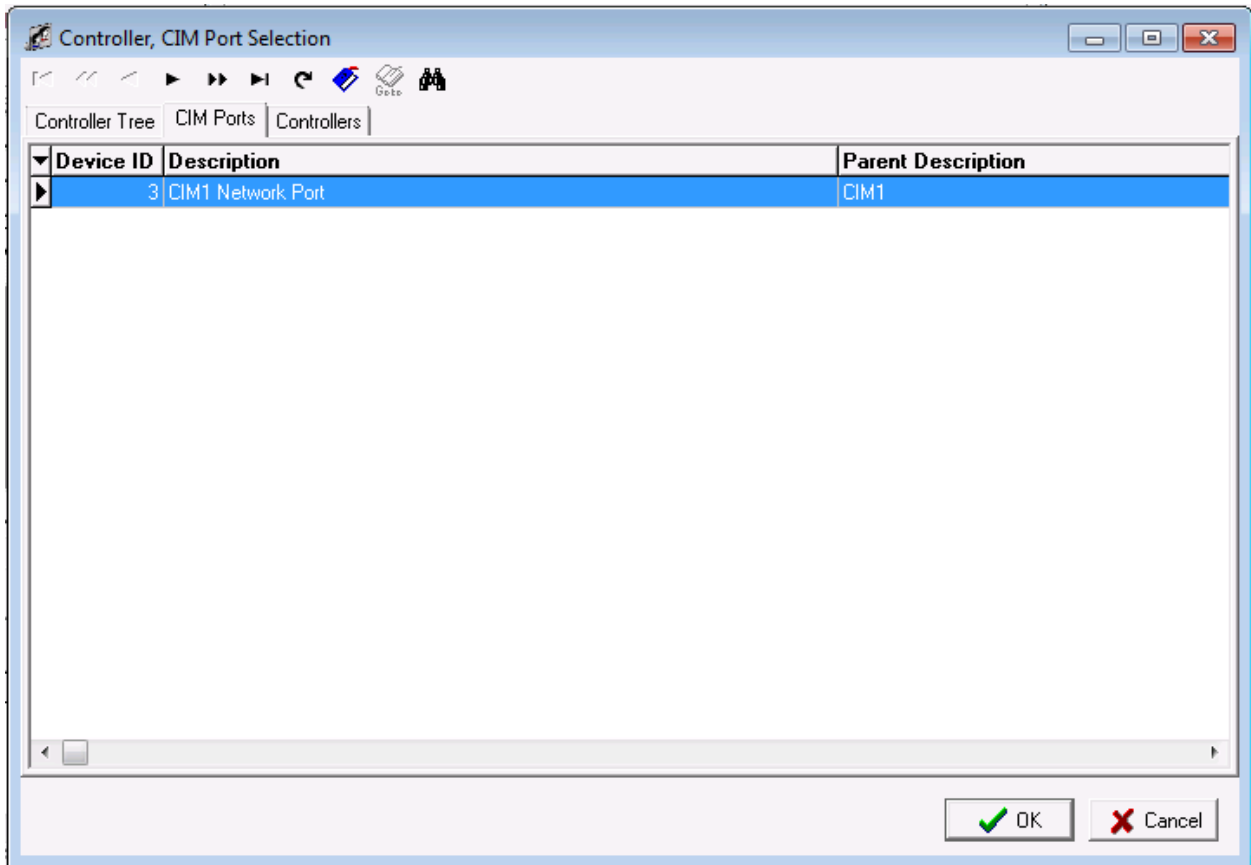
3. In the bottom section, click on the + button . This will bring up Controller Definition.

The screenshot shows a 'Controller Definition' dialog box with the following fields and values:

- * Description:** Defining an RCNX16 as an SRCNX-R0
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** (Empty dropdown)
- Location:** Off Site
- * Controller Model:** (Empty dropdown)
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (Empty dropdown)
- IP Address or Host Name:** (Empty text field)
- IP Port Number:** 3001
- Encrypted:** (Unchecked checkbox)
- Phone Number:** (Empty text field)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** (Empty dropdown)
- Network Device Type:** (Empty dropdown)
- Administrative Level Password:** (Empty text field)
- Access Level Password:** (Empty text field)
- Domain Suffix:** (Empty text field)
- Installed:** (Checked checkbox)
- Reinstall All Devices:** (Unchecked checkbox)

Buttons at the bottom: Save and Close, Save and New, Close.

4. In your controller definition, give your controller a description.
 - You may want to include the new version controller type: **SRCNX-R0** in the description or in the notes to help you designate that this controller is the new style.
5. Next, we are assuming you already have a CIM and Networked CIM Port defined. You will attach the SRCNX-R to this CIM Port.
 - a. Click in the field called: "Attached to I/O Port or Master". The Controller, CIM Port Selection window will open.



- b. Click the "CIM Ports" tab and select the CIM port you want to attach your Controller to. (Above example is using the CIM Port: **CIM1 Network Port**)
- c. Click OK. The window will close and return you to the Controller Definition window.

6. When complete, your controller definition window should look similar to the one below.

The screenshot shows a window titled "Controller Definition" with a menu bar containing "File", "Search", and "Help". The window contains several configuration fields:

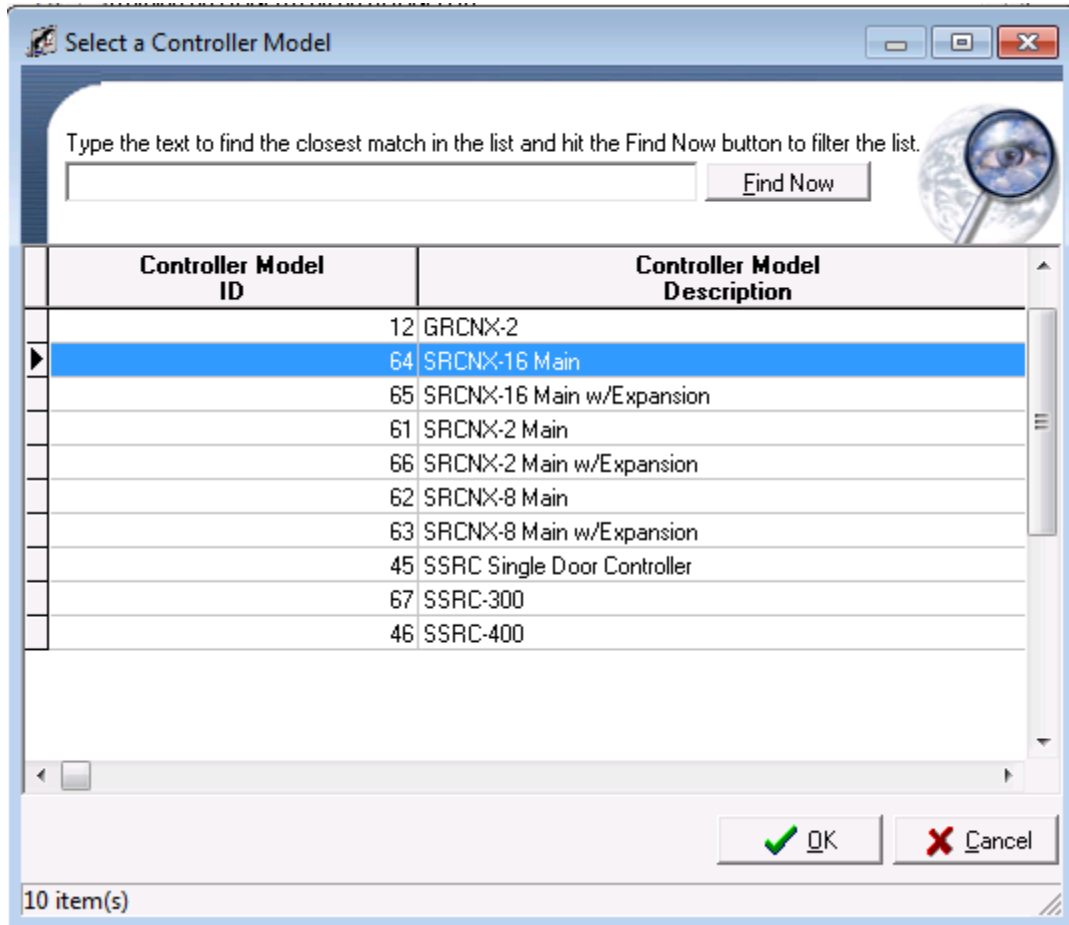
- * Description: A text box containing "Defining an RCNX16 as an SRCNX-R0".
- Notes: An empty text area.
- * Attached To I/O Port or Master: A dropdown menu showing "CIM1 Network Port".
- Location: A dropdown menu showing "Off Site".
- * Controller Model: An empty dropdown menu.
- Callback Set: A dropdown menu showing "No callback numbers".
- Site Code Set: A dropdown menu showing "No defined site codes".
- Holiday Set: A dropdown menu showing "No defined holidays".
- * Locale Timezone: An empty dropdown menu.
- IP Address or Host Name: An empty text box.
- IP Port Number: A text box containing "3001" with a lock icon and a checkbox for "Encrypted".
- Phone Number: An empty text box.
- Master Channel: A dropdown menu showing "N/A".
- Board Address: A dropdown menu showing "N/A".
- Schedule Timezone: An empty text box.
- Network Device Type: A dropdown menu showing "<Click to Expand>".
- Administrative Level Password: An empty text box.
- Access Level Password: An empty text box.
- Domain Suffix: An empty text box.
- Installed
- Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

7. Next, choose the Location of the board, by clicking in the field that says "Location".

- a. Select your location from the list shown.
- b. Click the OK button.

8. Next, click in the field that says "Controller Model". This will bring up a hardware list showing you all the types of controllers that can be selected. However, because the SRCNX-R0 is not in the list, we can use the existing hardware selections to setup the SRCNX-R0 properly.
 - a. In the list, select the controller that says: "SRCNX-16 Main" (You may also have the GRCNX-16 controller for one of you choices, that option is acceptable).
 - b. Click the OK button.



9. Once you have selected your controller, your Controller Definition window should have the same or similar controller model shown in the example below.

The screenshot shows the "Controller Definition" window with the following fields and values:

- * Description: Defining an RCNX16 as an SRCNX-R0
- Notes: (Empty text area)
- * Attached To I/O Port or Master: CIM1 Network Port
- Location: Off Site
- * Controller Model: SRCNX-16 Main
- Callback Set: No callback numbers
- Site Code Set: No defined site codes
- Holiday Set: No defined holidays
- * Locale Timezone: (Empty dropdown)
- IP Address or Host Name: (Empty text field)
- IP Port Number: 3001
- Encrypted:
- Phone Number: (Empty text field)
- Master Channel: N/A
- Board Address: N/A
- Schedule Timezone: (Empty dropdown)
- Network Device Type: <Click to Expand>
- Administrative Level Password: (Empty text field)
- Access Level Password: (Empty text field)
- Domain Suffix: (Empty text field)
- Installed
- Reinstall All Devices

Buttons at the bottom: Save and Close, Save and New, Close.

10. You can ignore the "Callback Set" field set as this is for dialup controller.
11. For the "Site Code Field", click in the field and select your predefined Side Code Set, if you have setup this option previously.
12. For the "Holiday Set" field, click in the field and select your predefined Holiday Set, if you have setup this option previously.

13. For the “Local Timezone” Field, Click in the field and select the Time Zone this controller is or will be located in. In the above example Eastern Standard Time was chosen.
14. In the “IP address or Host Name” field, type in the IP address of your controller. You controller’s IP configuration should have been setup before hand.
 - a. In the below image, the controller’s IP address is: 10. 45.50.155. Your controller definition should look similar to the example below though your IP address will be different.

The screenshot shows a 'Controller Definition' window with the following fields and values:

- * Description:** Defining an RCNX16 as an SRCNX-R0
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** 10.45.51.155
- IP Port Number:** 3001
- Encrypted:** (Unchecked)
- Master Channel:** N/A
- Board Address:** N/A
- Phone Number:** (Empty)
- Network Device Type:** <Click to Expand>
- Schedule Timezone:** (Empty)
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed:** (Checked)
- Reinstall All Devices:** (Unchecked)

At the bottom of the window are three buttons: 'Save and Close', 'Save and New', and 'Close'.

15. The “IP Port number” is the TCP Network Port that the SRCNX-R0 controller uses to communicate with the CIM across the network. Unless directed, you should not change this setting.
16. You can ignore the “Phone Number” field as this is for dial up controllers only.
17. Next, click in the “Network Device Type” field. In the selection list, choose the Schlage SPINX100 network device. Then click OK. Your Controller Definition should look similar to the one below.

The screenshot shows the 'Controller Definition' dialog box with the following configuration:

- * Description:** Defining an RCNX16 as an SRCNX-R0
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** 10.45.51.155
- IP Port Number:** 3001
- Encrypted:**
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** (Empty)
- Network Device Type:** Schlage SIPNX100
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed:**
- Reinstall All Devices:**

Buttons at the bottom: Save and Close, Save and New, Close.

18. Lastly, if this controller is installed and placed on the network, make sure the “Installed” checkbox is checked. If the Panel is not physically installed on the network, you can pre-

configure your controller in SMS, and *uncheck* the Installed checkbox. This way, SMS will not be 'looking' for it until it is ready.

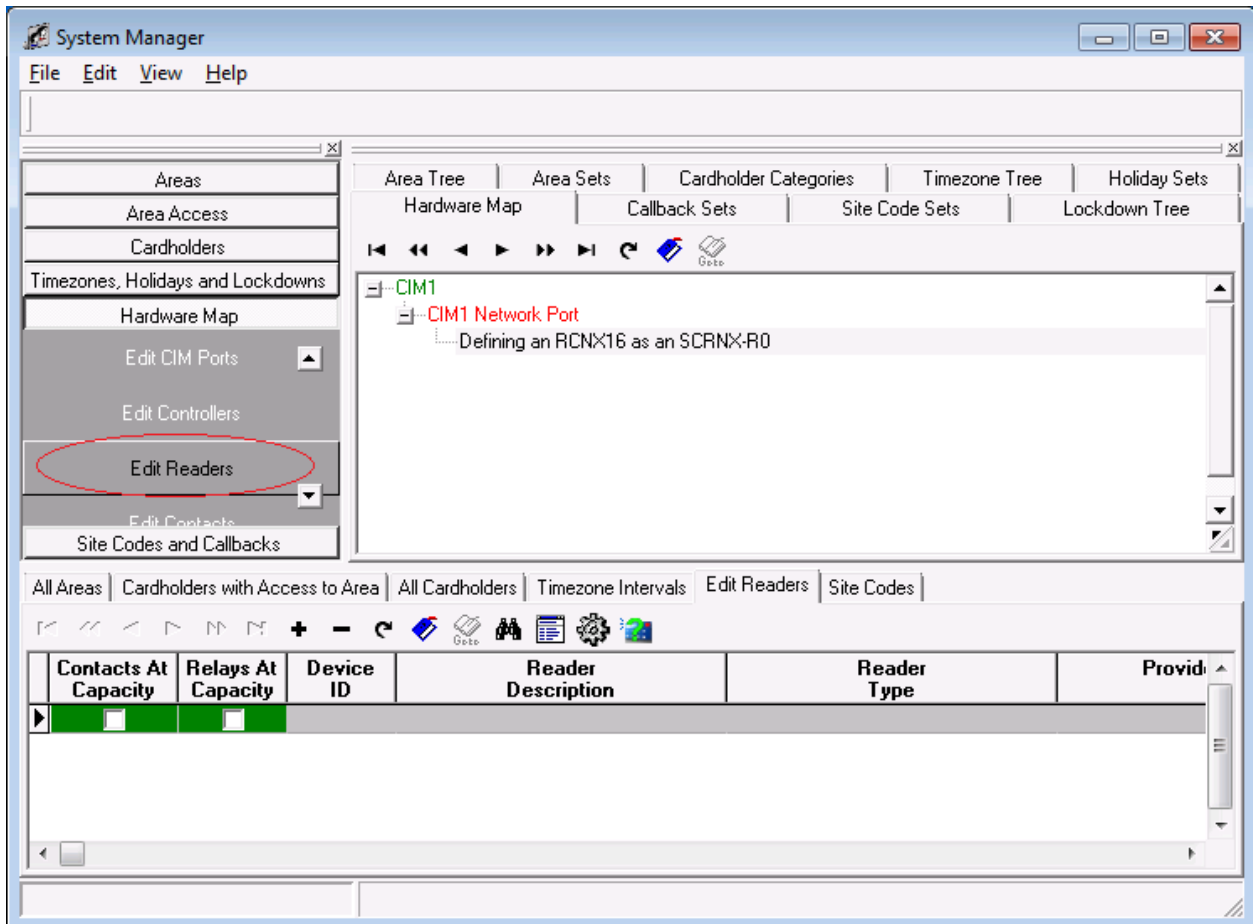
Attaching Devices to a SRCNX-R0

Now we must setup devices on the two available channels. You can setup up to 8 devices of the same protocol on each channel. In the following pages, we will show you how to setup devices on SMS V5.3.5. Additional instructions for V5.3.4 and below will be given in **bold** text in line with the v5.3.5 instructions.

Attaching Devices to Channel 2

In this example, we'll be setting up an F protocol device, an AD300 Lock on Channel 2.

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Readers.



- Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

* Description
AD300 Series Reader

Notes

* Attached To

* Provides Access To Area
<Click to Expand>

* Reader Model

* Reader Type
<Click to Expand>

* Door Type
<Click to Expand>

Antipassback Time (Minutes) Channel Number Reader Address
0 1 1

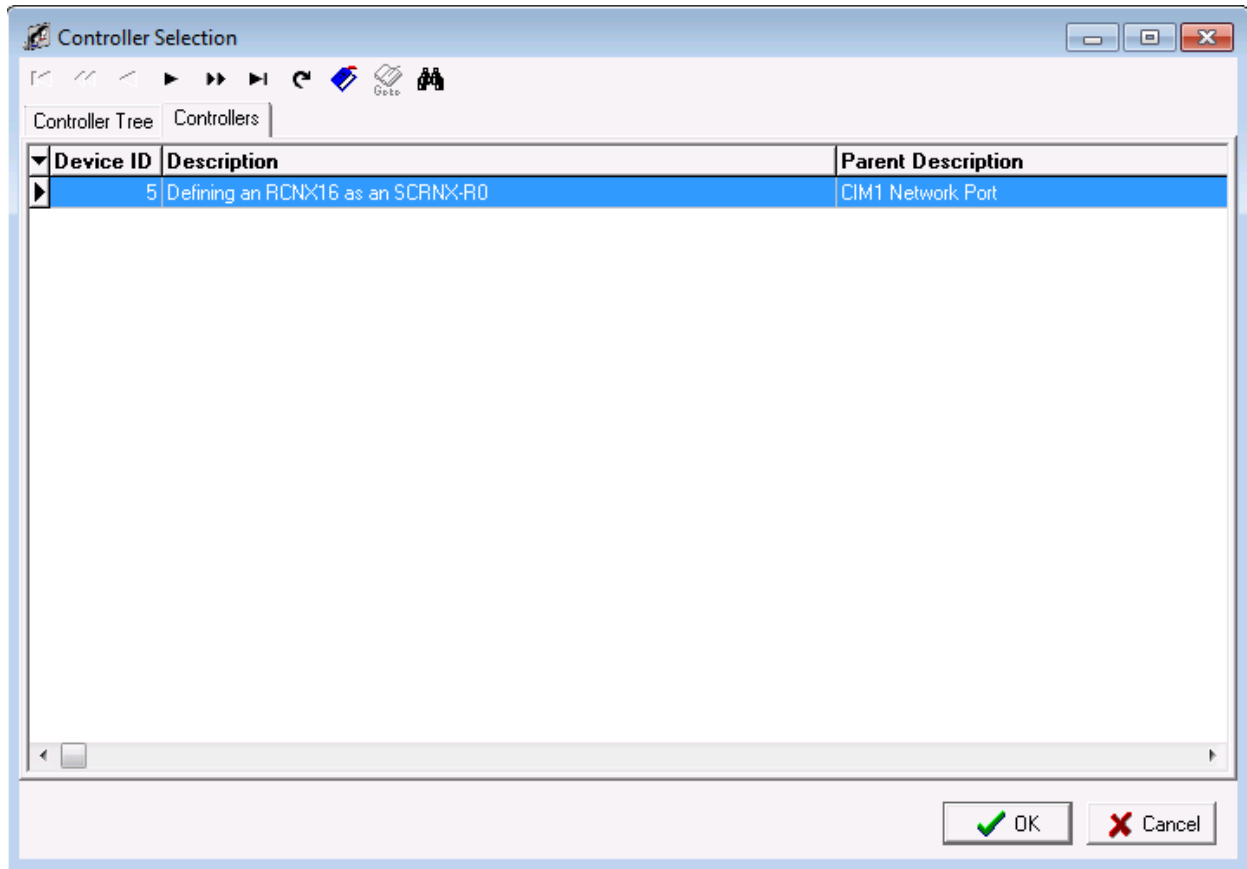
Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

- Give your Reader definition a description.

- Next we need to attach the reader to controller. Click in the field "Attach To", the Controller Selection window will open.



- Select the controller you created earlier and then click the OK button. You will be returned to the Reader definition window.

6. Your Reader Definition should look similar to the one below.

* Description
AD300 Series Reader

Notes

* Attached To
Defining an RCNX16 as an SCRNX-R0

* Provides Access To Area
<Click to Expand>

* Reader Model

* Reader Type
<Click to Expand>

* Door Type
<Click to Expand>

Antipassback Time (Minutes) Channel Number Reader Address
0 1 1

Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

7. Next, we need to associate the reader with an area. Please click in the field “Provides Access to Area”, choose the area you want to install the reader into and then click the OK button.

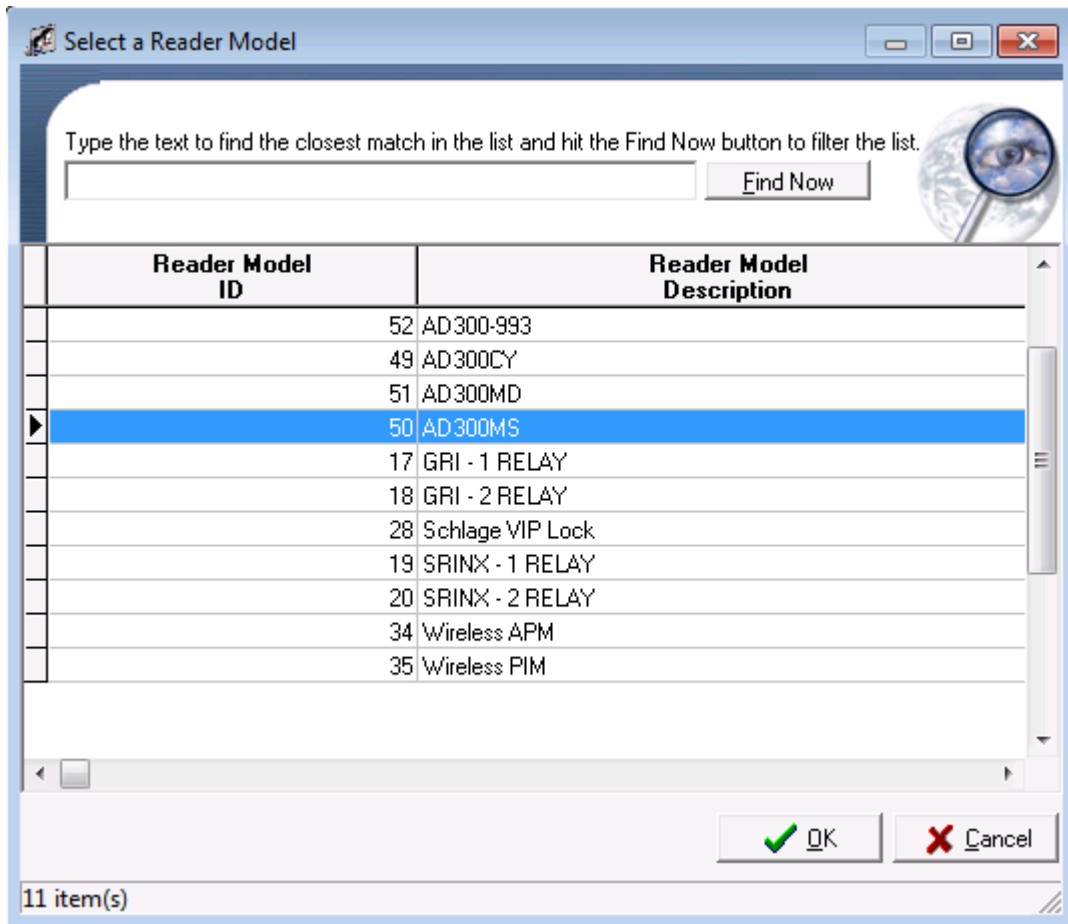
8. For this example the default Off Site Area was chosen. Your Reader Definition window should look similar to the example below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The main area contains several configuration sections:

- * Description:** A text field containing "AD300 Series Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an RCNX16 as an SCRNX-R0".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** An empty dropdown menu.
- * Reader Type:** A dropdown menu showing "<Click to Expand>".
- * Door Type:** A dropdown menu showing "<Click to Expand>".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "1".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom, there are three buttons: "Save and Close", "Save and New", and "Close".

9. Next, click in the field “Reader Model” and choose an F Protocol Device. In this example, an AD300MS series lock was chosen.



10. After your selection, your Reader Definition Window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains several configuration sections:

- * Description:** A text field containing "AD300 Series Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an RCNX16 as an SCRNX-R0" with a green ellipsis button.
- * Provides Access To Area:** A dropdown menu showing "Off Site" with a green ellipsis button.
- * Reader Model:** A dropdown menu showing "AD300MS" with a green ellipsis button.
- * Reader Type:** A dropdown menu showing "<Click to Expand>" with a green ellipsis button.
- * Door Type:** A dropdown menu showing "<Click to Expand>" with a green ellipsis button.
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "1".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device" with a green ellipsis button.
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close" (with a floppy disk icon), "Save and New" (with a floppy disk icon), and "Close" (with a red X icon). There are also help and refresh icons on the left side of the bottom bar.

11. Because there is no AD Series locks in SMS Versions below 5.3.5, you would need to choose a VIP lock instead to support the AD Series (see image below).

Reader Definition

File Edit Search Help

* Description
AD300 Series Reader

Notes

* Attached To
Defining an RCNX16 as an SCRNX-R0

* Provides Access To Area
Off Site

* Reader Model
Schlage VIP Lock

* Reader Type
<Click to Expand>

* Door Type
<Click to Expand>

Antipassback Time (Minutes) Channel Number Reader Address
0 1 1

Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

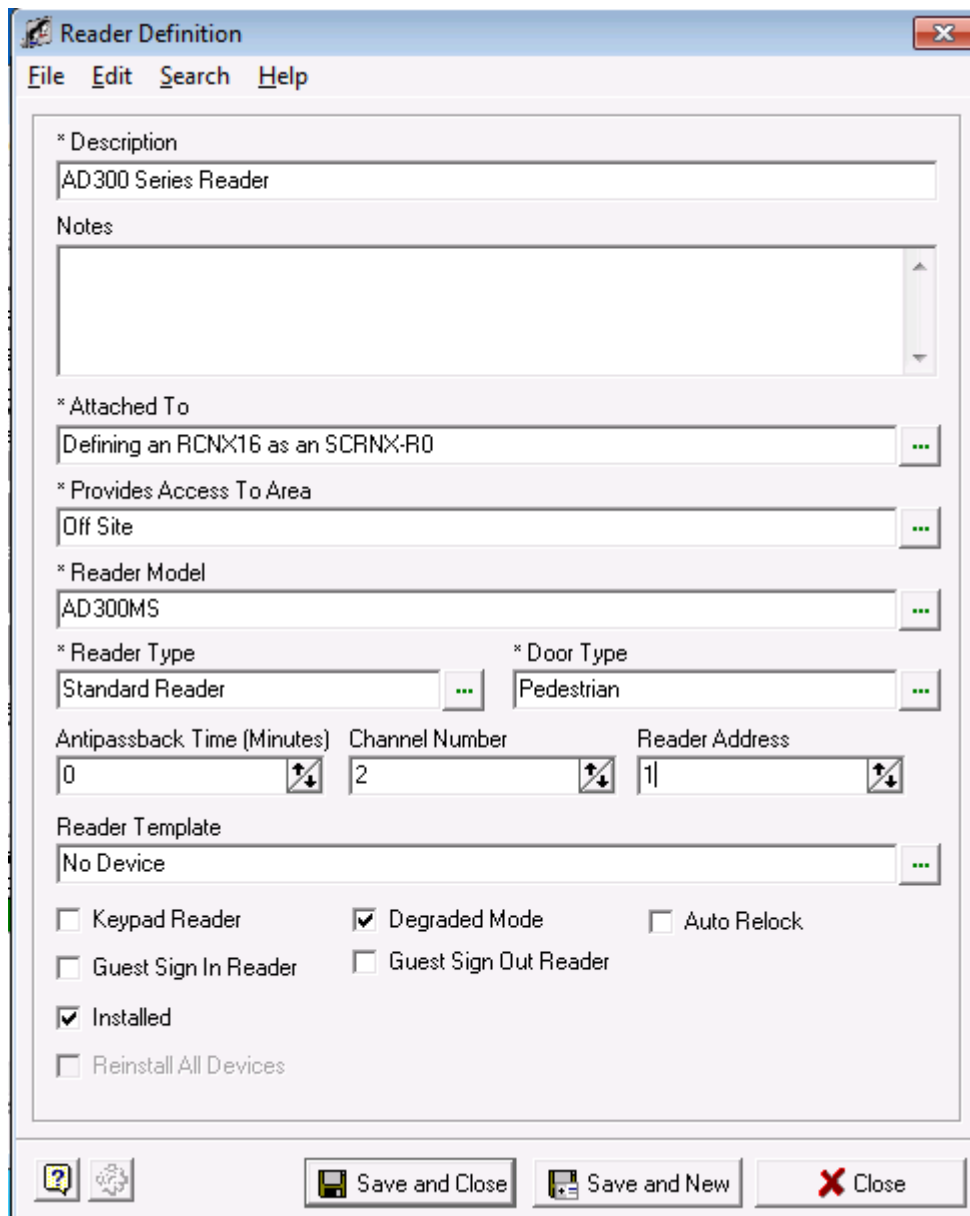
12. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains several configuration fields and options:

- * Description:** A text box containing "AD300 Series Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an RCNX16 as an SCRNX-R0".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** A dropdown menu showing "AD300MS".
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "1".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

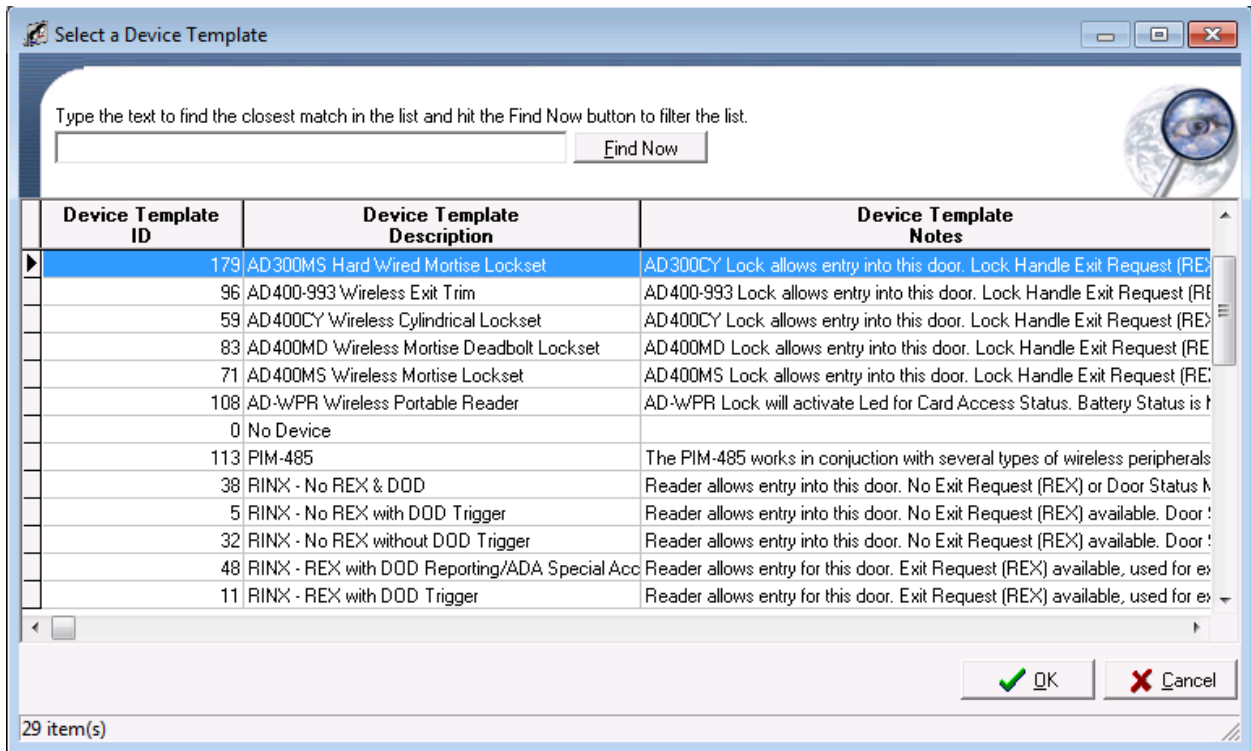
13. Next you need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. This example starts with Channel 2 using ONLY F protocol devices as you cannot mix different protocols on a single channel.
14. In this example, this is the first reader so it will be assigned Channel 2 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 2, Reader Address 2 and so on.
15. Your Reader Definition Window should look similar to the one below.



16. Next, we need to choose a reader template. You have the option of not choosing a template, however, we highly recommend you do as the reader templates will setup all the relays, contacts, etc. automatically for you for the reader you selected.

17. Click in the field that says “Reader Template”. This will bring up the Device Template window.

- a. Choose a device template and click the OK button. In this example the AD300MS Hard Wired Mortis Lock Set was chosen.



18. When complete, your Reader Definition should look like the example below.

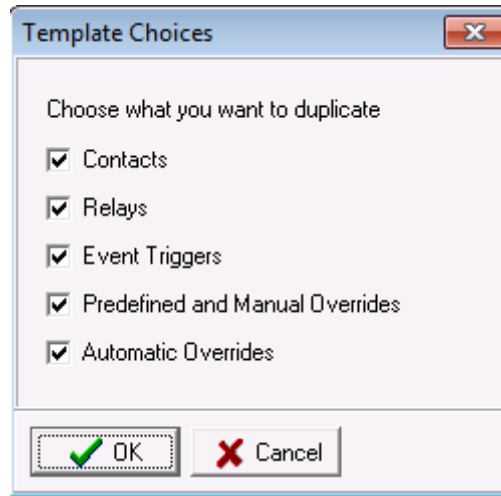
The screenshot shows a 'Reader Definition' dialog box with the following fields and options:

- * Description: AD300 Series Reader
- Notes: (Empty text area)
- * Attached To: Defining an RCNX16 as an SCRNX-R0
- * Provides Access To Area: Off Site
- * Reader Model: AD300MS
- * Reader Type: Standard Reader
- * Door Type: Pedestrian
- Antipassback Time (Minutes): 0
- Channel Number: 2
- Reader Address: 1
- Reader Template: AD300MS Hard Wired Mortise Lockset
- Keypad Reader:
- Guest Sign In Reader:
- Installed:
- Reinstall All Devices:
- Degraded Mode:
- Auto Relock:
- Guest Sign Out Reader:

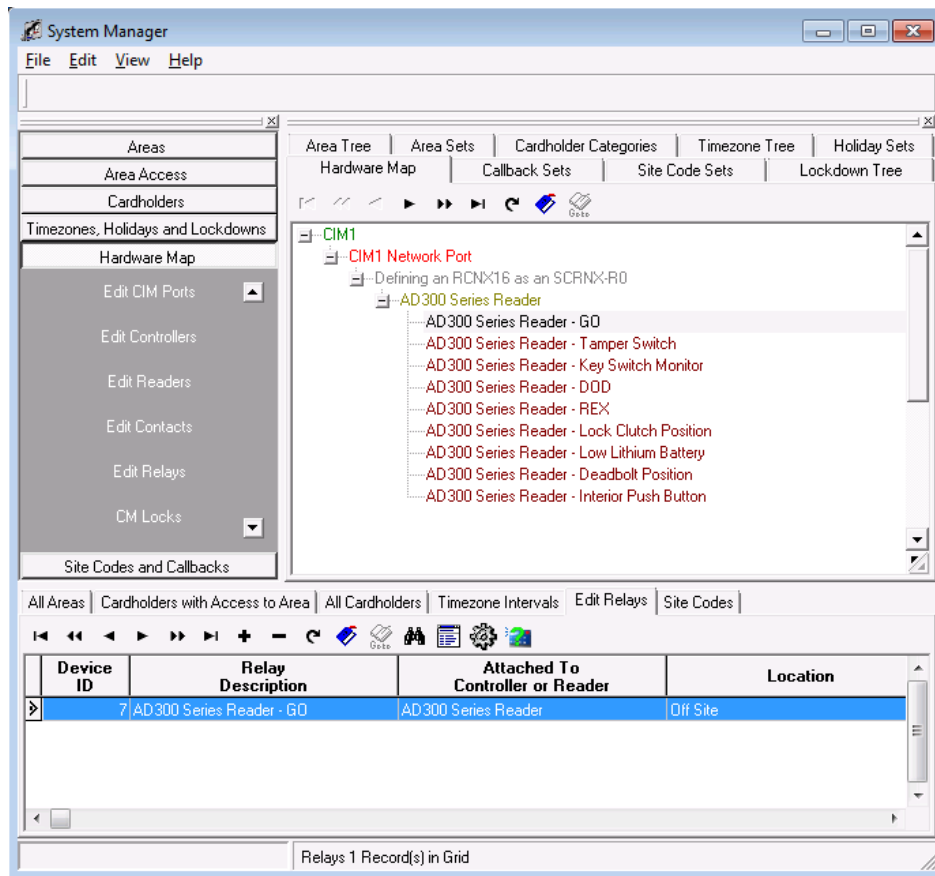
Buttons at the bottom: Save and Close, Save and New, Close.

19. You can also make additional choices by checking off the check boxes should you need or decide to.

20. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
- In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.



21. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

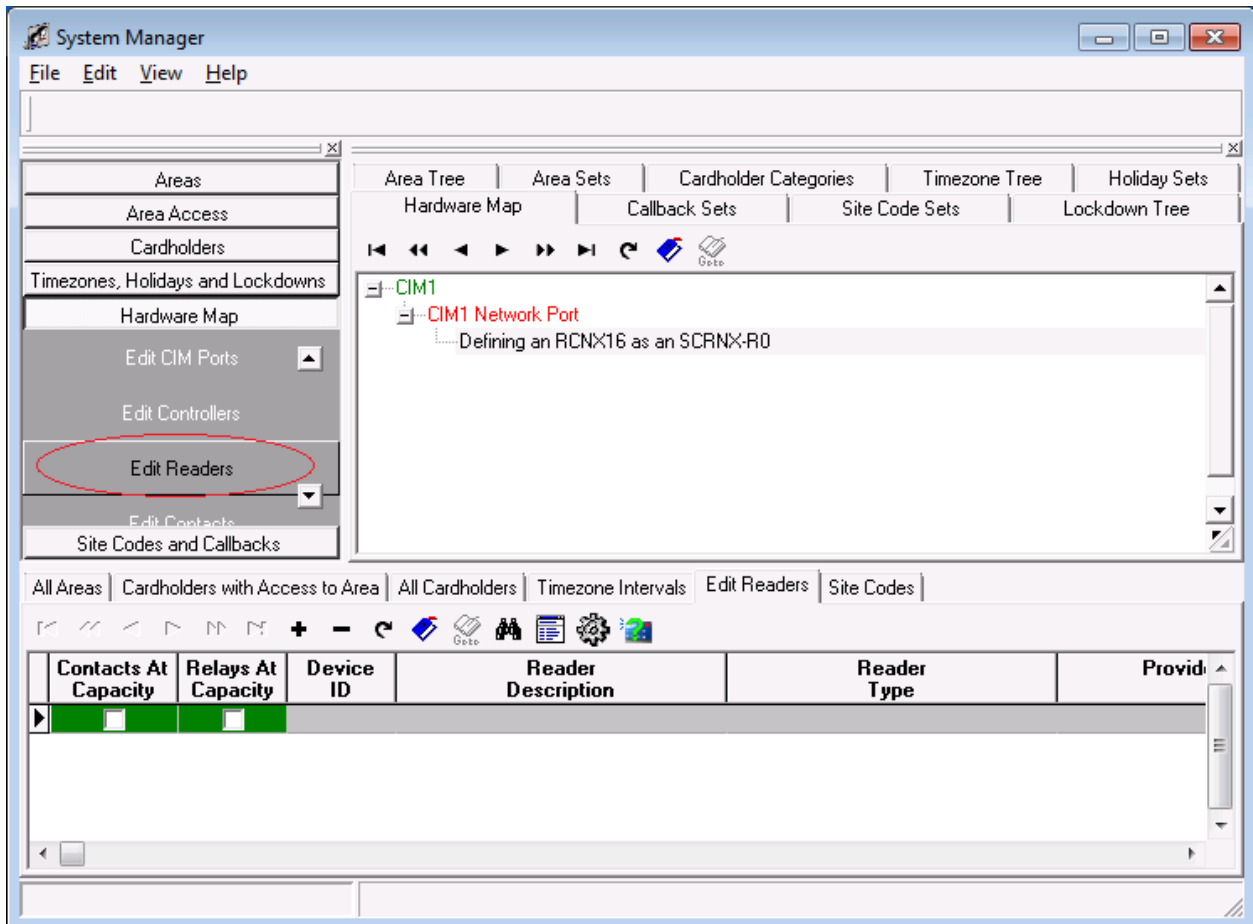


Attaching Devices to Channel 3

Now we will setup an SMS Protocol device on the second channel, channel 3. Remember that if you were to attach additional devices to this channel, and there is a SMS Protocol device attached, the additional devices can only be SMS protocol devices; you cannot mix F protocol and SMS protocol on the SAME channel.

In this example, we'll be setting up an SMS Protocol device, SRINX – 2 Relay Reader on Channel 3.

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Readers.



- Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

Reader Definition

File Edit Search Help

* Description
SMS Protocol SRINX-2 Relay Reader

Notes

* Attached To

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes) Channel Number Reader Address
0 2 1

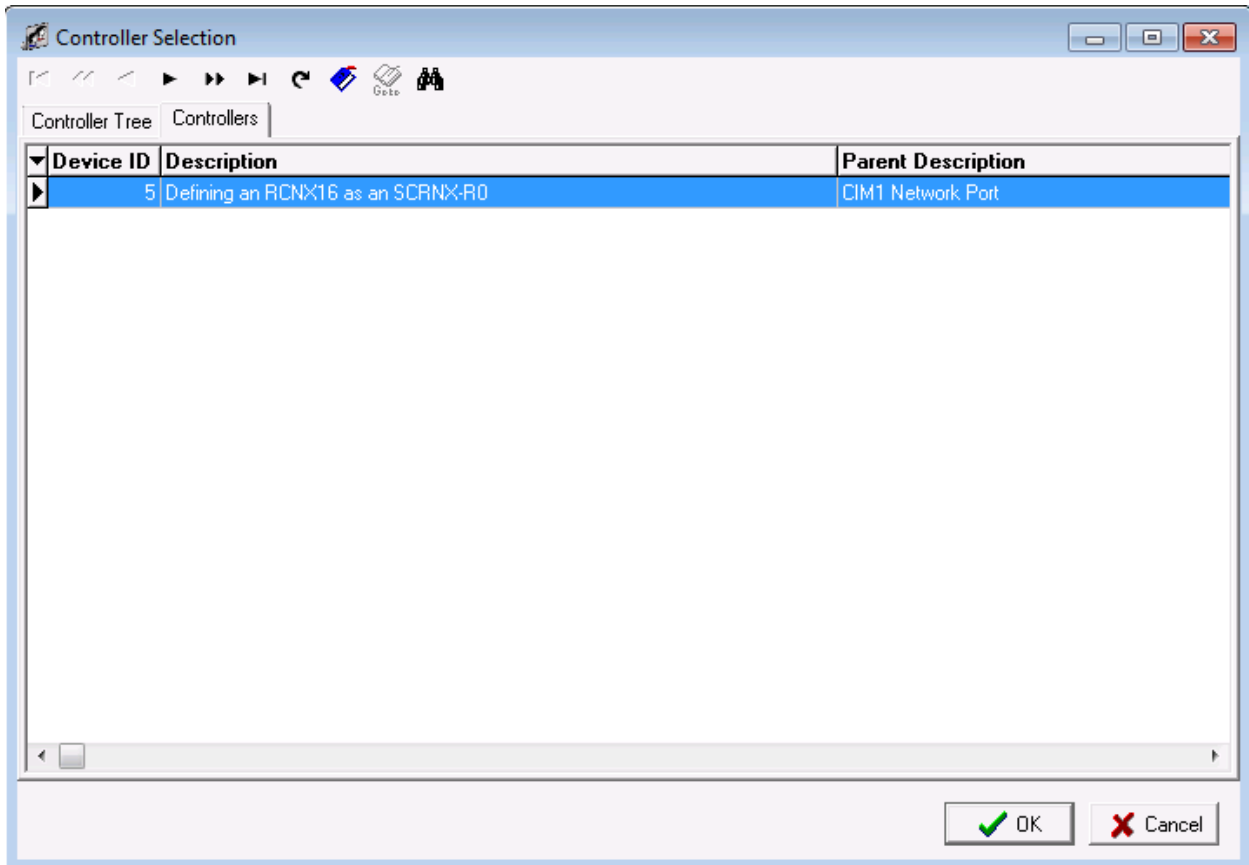
Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

- Give your Reader definition a description.

5. Next we need to attach the reader to controller. Click in the field “Attach To” the Controller Selection window will open.



- a. Select the controller you created earlier.
- b. Click the OK button. The Controller Selection window will close and return you to the Reader Definition window.

6. Your Reader Definition should look similar to the one below.

The screenshot shows a 'Reader Definition' dialog box with the following fields and options:

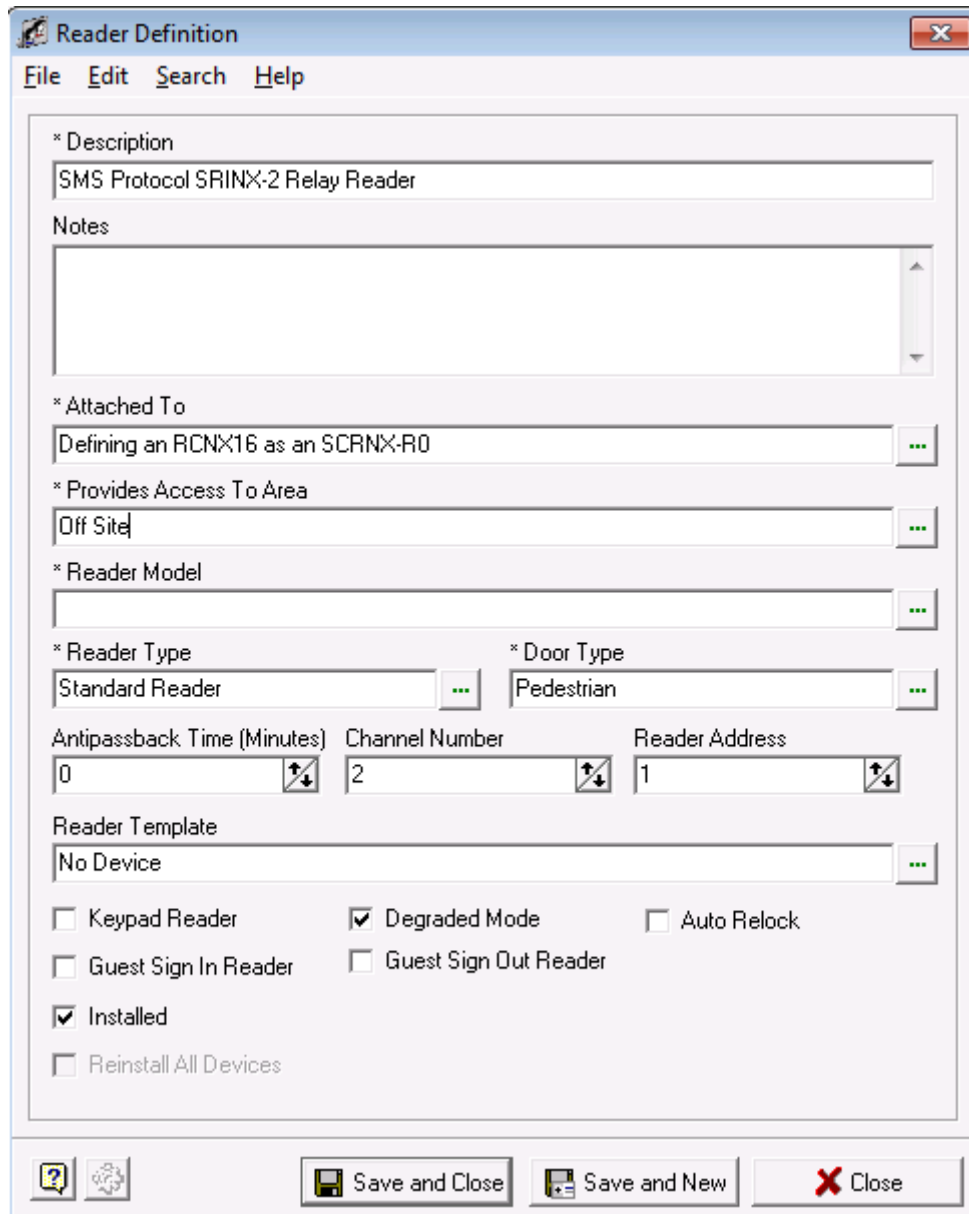
- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an RCNX16 as an SCRNX-R0
- * Provides Access To Area:** Off Site
- * Reader Model:** (Empty)
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 2
- Reader Address:** 1
- Reader Template:** No Device
- Checkboxes:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

Buttons at the bottom: Save and Close, Save and New, Close.

7. Next, you need to associate the reader with an area. Click in the field “Provides Access to Area”: a list of areas will open.

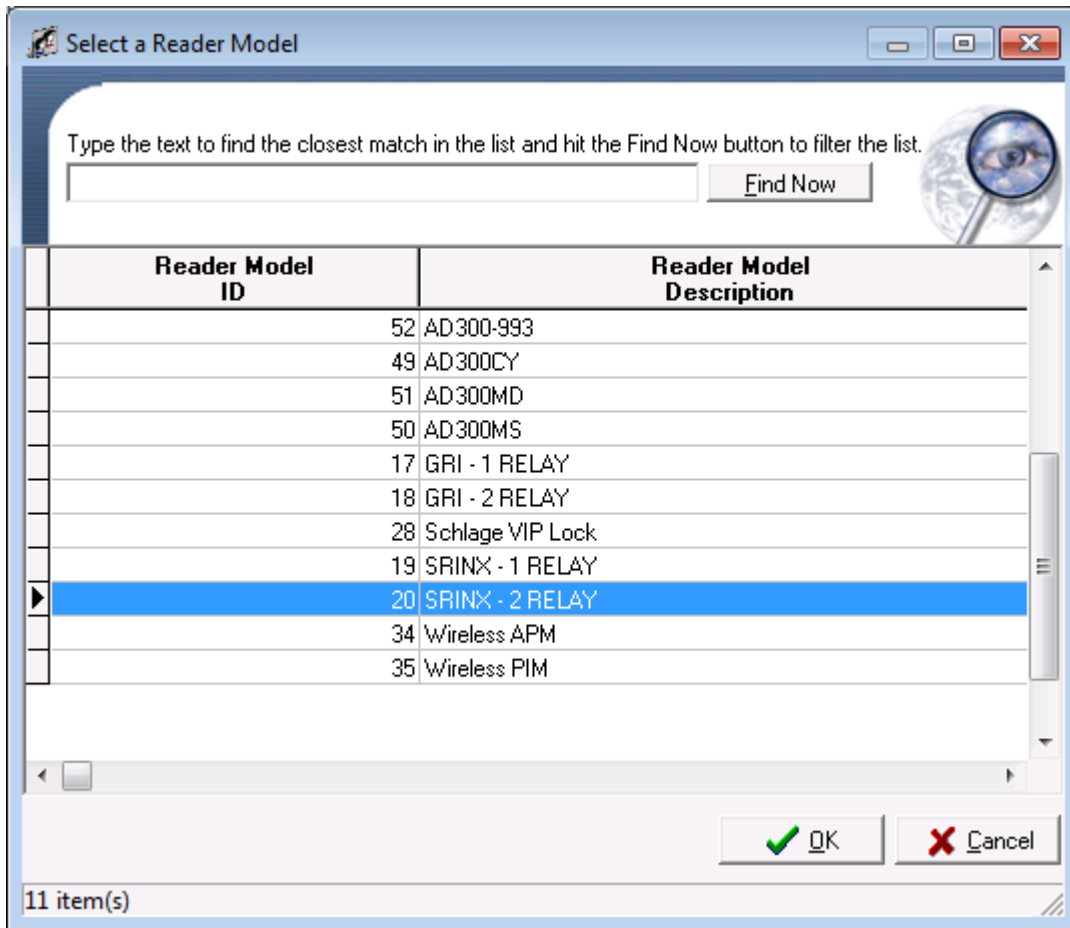
- a. Choose the area you want to install the reader into.
- b. Click the OK button.

8. In this example, the default Off Site Area was chosen . Your Reader Definition window should look similar to the example below.



Note: When you opened the Reader Definition window the Area already had a value. If you have configured a reader before, this field as well as some others (channel number, reader address, etc .) is remembered from your last selection. If the options from the previous reader are valid for the new reader, those values do not need to be altered.

9. Next, click in the field “Reader Model” and choose a SMS Protocol Device. In this example the SRINX – 2 Relay Reader was chosen.



10. After your selection, your Reader Definition Window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The main area contains several configuration sections:

- * Description:** A text field containing "SMS Protocol SRINX-2 Relay Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an RCNX16 as an SCRNX-R0".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** A dropdown menu showing "SRINX - 2 RELAY".
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "2".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

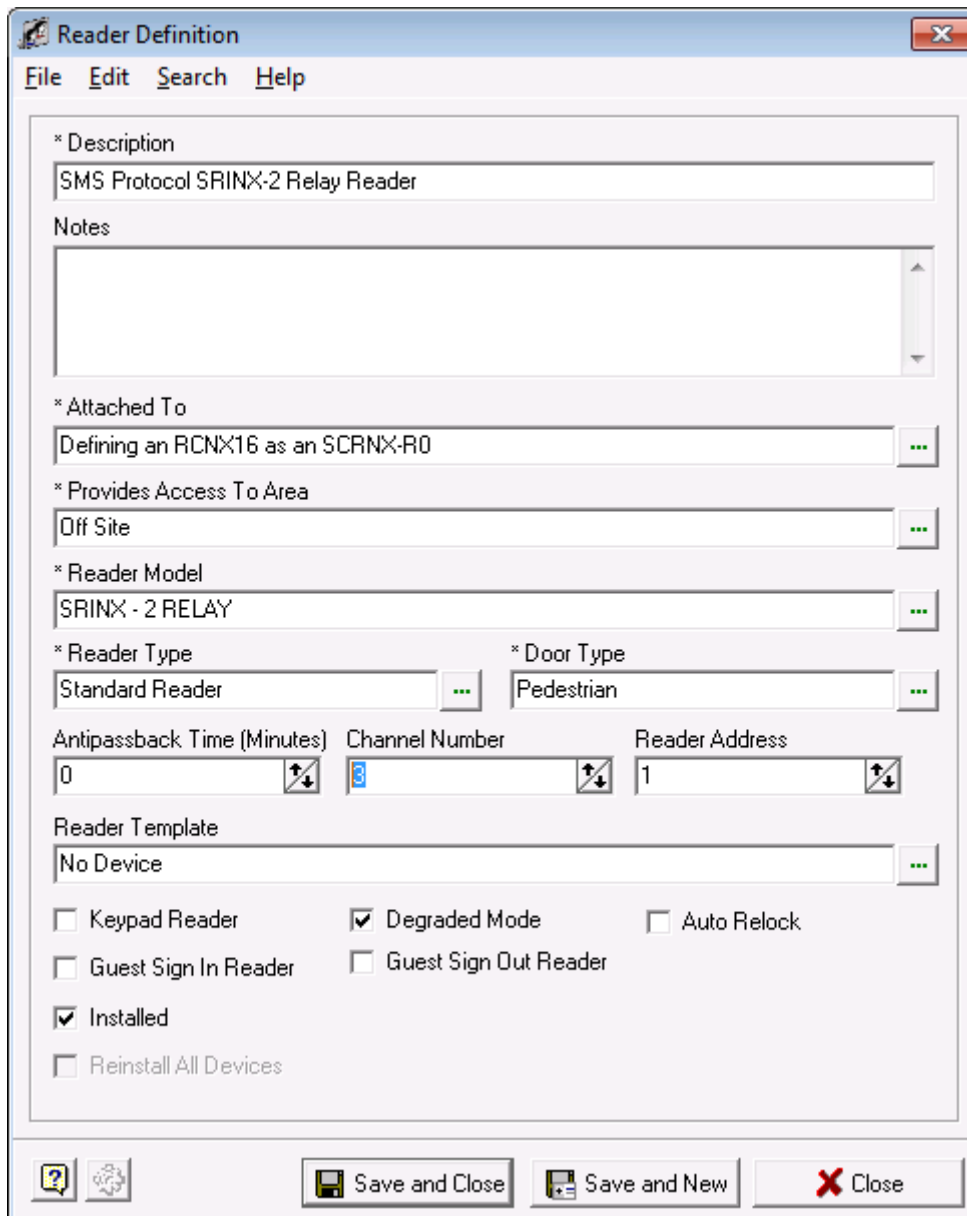
11. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

The screenshot shows the 'Reader Definition' window with the following configuration:

- Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** (Empty text area)
- Attached To:** Defining an RCNX16 as an SCRNX-R0
- Provides Access To Area:** Off Site
- Reader Model:** SRINX - 2 RELAY
- Reader Type:** Standard Reader
- Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 2
- Reader Address:** 1
- Reader Template:** No Device
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

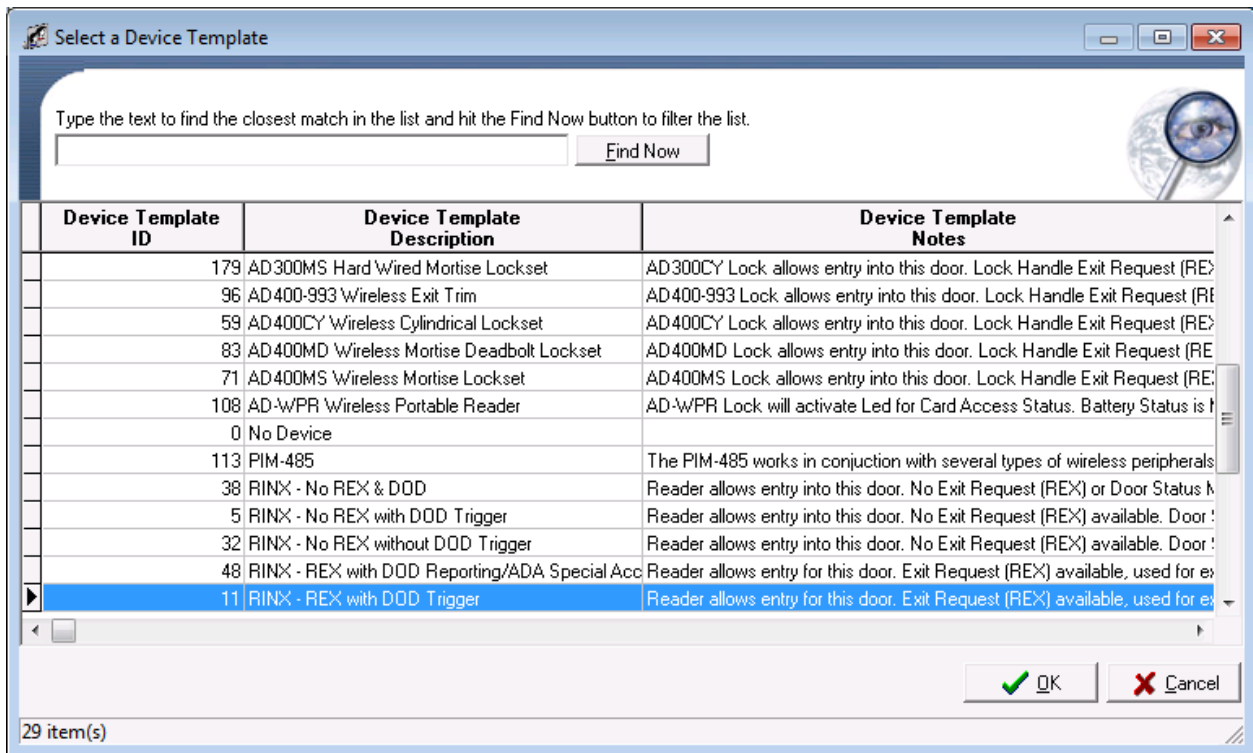
Buttons at the bottom: Save and Close, Save and New, Close.

12. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. In our example we are now using Channel 3 using ONLY SMS protocol devices as you cannot mix different protocol types on a single channel.
 - a. This is the first reader so we will assign Channel 3 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 3, Reader Address 2 and so on.
13. Your Reader Definition Window should look similar to the one below.



14. Next, you need to choose a reader template. You have the option of not choosing a template, however, it is highly recommend that you do as the reader templates will setup all the relays, contacts, etc. automatically for the reader you selected.

15. Click in the field that says “Reader Template” This will bring up a list of template to choose from.



- Select a reader Template. In this example, the RINX – REX with DOD Trigger template was chosen
- Click the OK button. The window will close.

16. When complete, your Reader Definition should look like the example below.

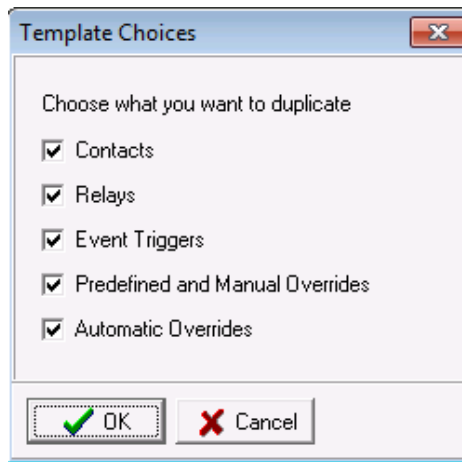
The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The main area contains several fields and options:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** Defining an RCNX16 as an SCRNX-R0
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 3
- Reader Address:** 1
- Reader Template:** RINX - REX with DOD Trigger
- Checkboxes:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

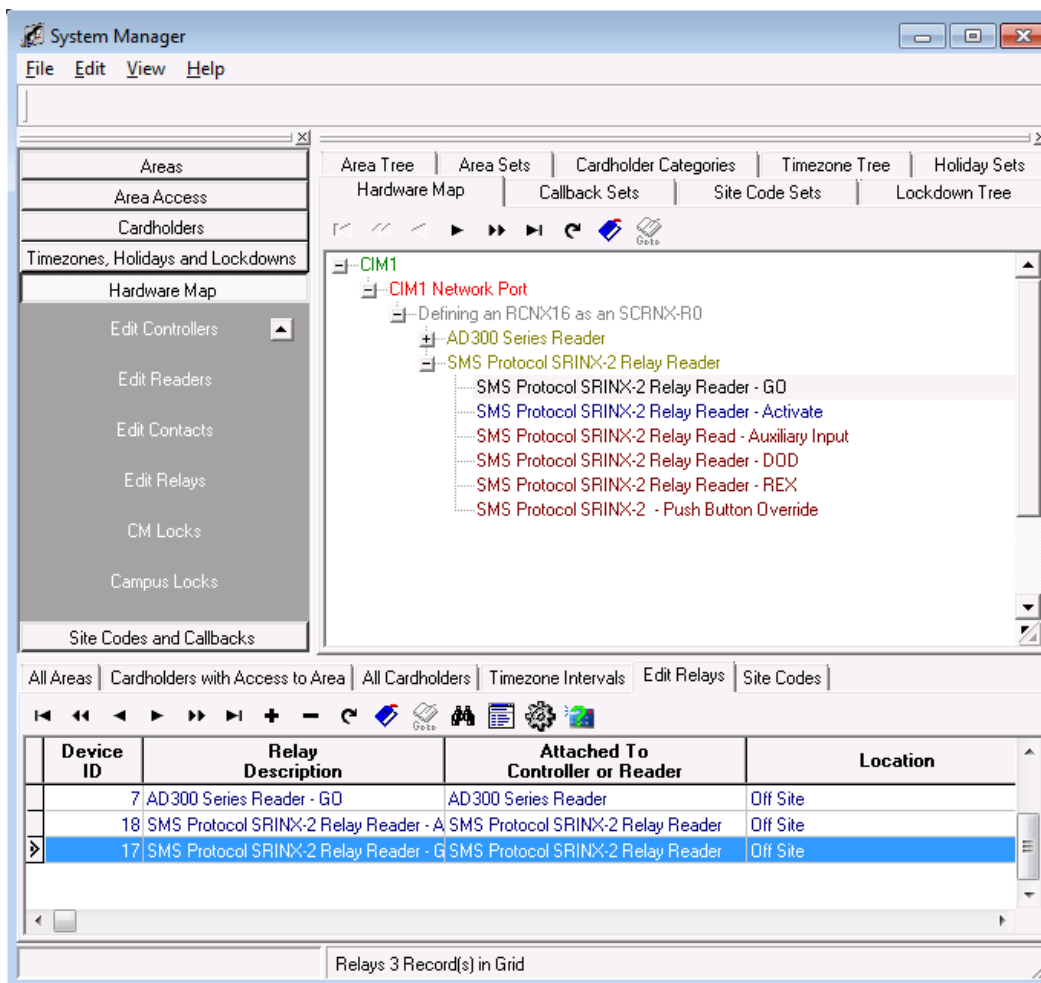
At the bottom, there are three buttons: "Save and Close", "Save and New", and "Close".

17. You can also make additional choices by checking off the check boxes should you need or decide to.

18. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
- In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.



19. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.



SRCNX-R1

The SRCNX-R1 will be defined as an SRCNX-16 with expansion. The SRCNX-R1 can ONLY support up to eight contacts and eight relays. It can support up to 8 devices of the same protocol per channel and has two channels (channel 2 and channel 3) for a total of 16 devices. F-series and SMS protocol devices cannot be put on the *same channel*. Channel 2 can have either F-series OR SMS protocol devices while **Channel 3 can ONLY have SMS protocol devices.**

The SRCNX-R1 consists of an SRCNX-R with one SIONX-8 controller wired to Channel 3 ***jumpered as physical address 15***. In the SMS software there is NO NEED to program an SIONX-8 at all as the SRCNX-R1 is treated as an SRCNX-16 Main with Expansion. The expansion version of the controllers will allow your software to work with the onboard SIONX-8 board that has been installed on the SRCNX-R1 hardware.

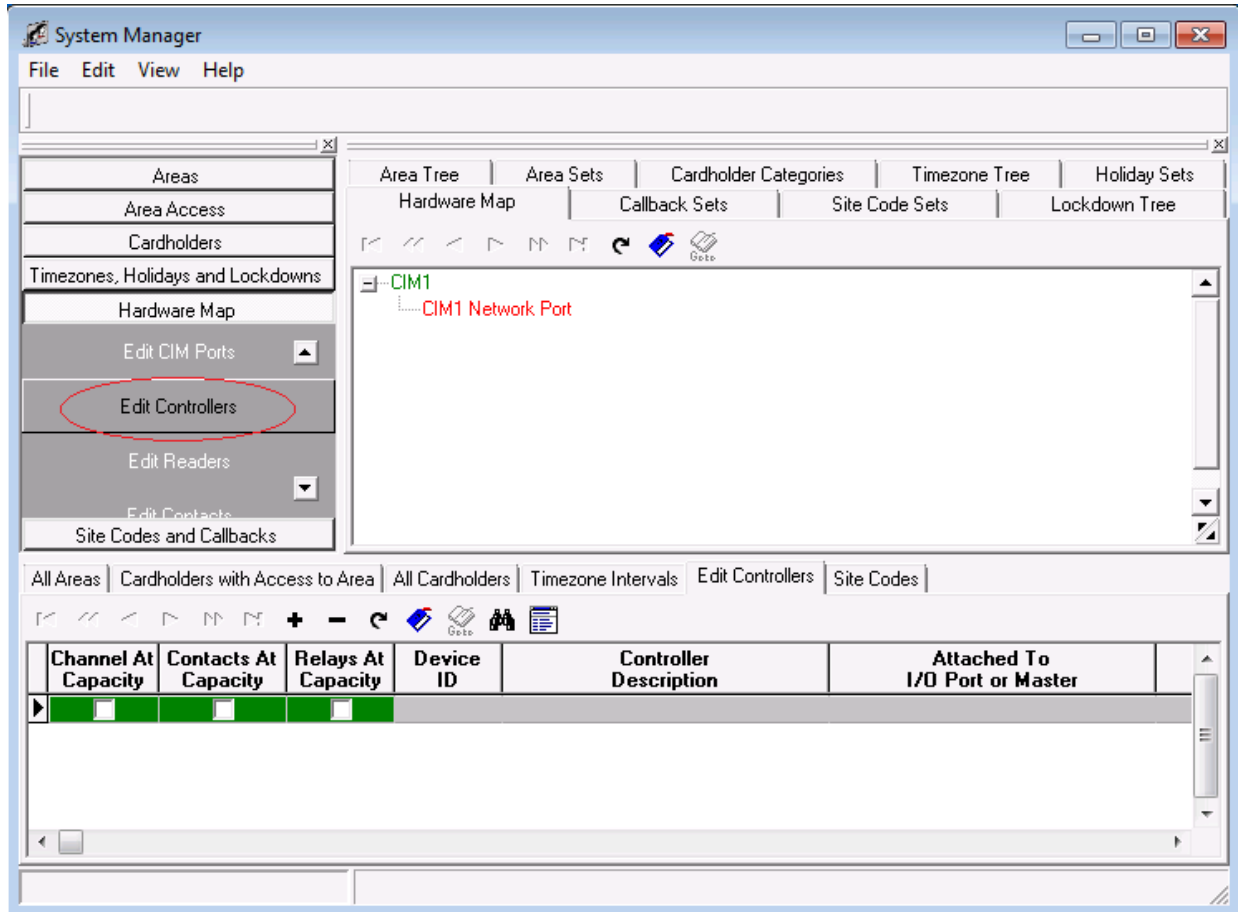
If you are using a version of SMS that has the SRCNX-16 with expansion or SRCNX-16 Main with expansion and SRCNX-16 with expansion as options, choose the SRCNX-16 with expansion or SRCNX-16 Main with expansion.

If you have a version of SMS that only has a SRCNX-16 with expansion as an option, then choose the SRCNX-16 with expansion.

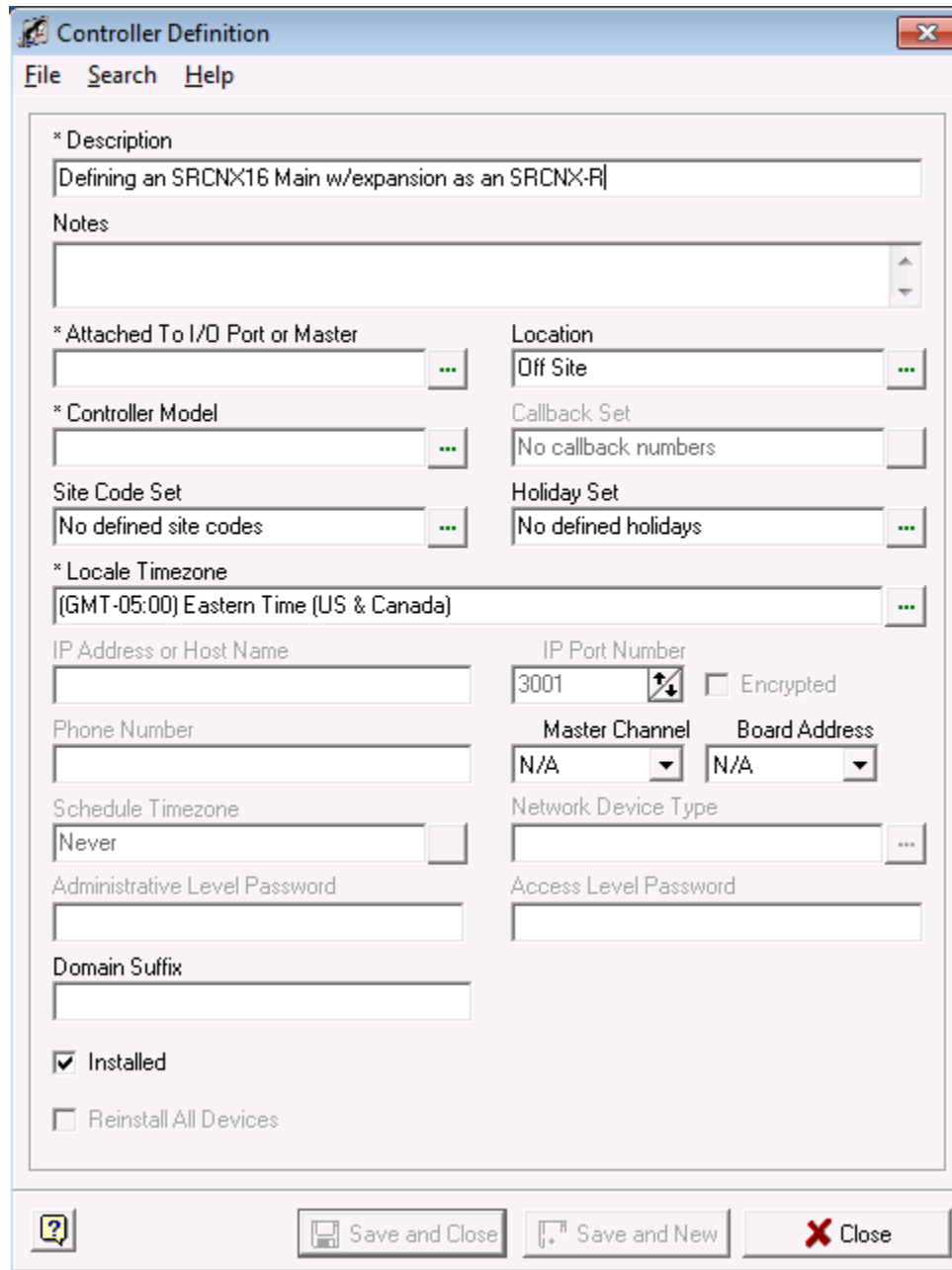
Programming a SRCNX-R1 as a Controller

Follow the instructions below to set up your SRCNX-R1 as a Controller:

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Controllers.



3. In the bottom section, click on the + button. This will bring up Controller Definition.

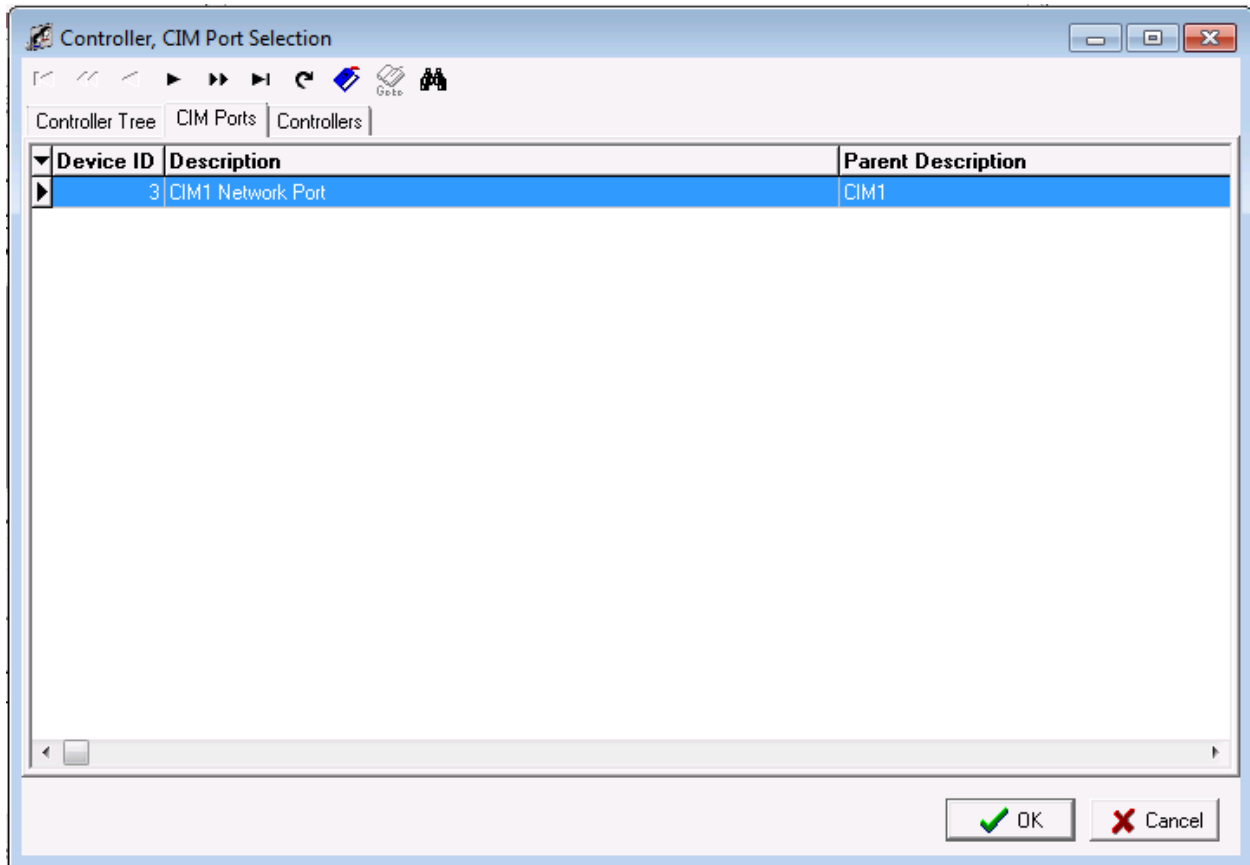


The screenshot shows the 'Controller Definition' window with the following fields and values:

- * Description: Defining an SRCNX16 Main w/expansion as an SRCNX-R1
- Notes: (empty)
- * Attached To I/O Port or Master: (empty)
- Location: Off Site
- * Controller Model: (empty)
- Callback Set: No callback numbers
- Site Code Set: No defined site codes
- Holiday Set: No defined holidays
- * Locale Timezone: (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name: (empty)
- IP Port Number: 3001 (Encrypted checkbox is unchecked)
- Phone Number: (empty)
- Master Channel: N/A
- Board Address: N/A
- Schedule Timezone: Never
- Network Device Type: (empty)
- Administrative Level Password: (empty)
- Access Level Password: (empty)
- Domain Suffix: (empty)
- Installed
- Reinstall All Devices

Buttons at the bottom: Save and Close, Save and New, Close.

4. In your controller definition, give your controller a description.
 - You may want to include the new version controller type: **SRCNX-R1** in the description or in the notes to help you designate that this controller is the new style.
5. Next, we are assuming you already have a CIM and Networked CIM Port defined. You will attach the SRCNX-R to this CIM Port.
 - a. Click in the field called: "Attached to I/O Port or Master". The Controller, CIM Port Selection window will open.



- b. Click the "CIM Ports" tab and select the CIM port you want to attach your Controller to. (Above example is using the CIM Port: **CIM1 Network Port**)
- c. Click OK. The window will close and return you to the Controller Definition window.

6. When complete you controller definition window should look similar to the one below.

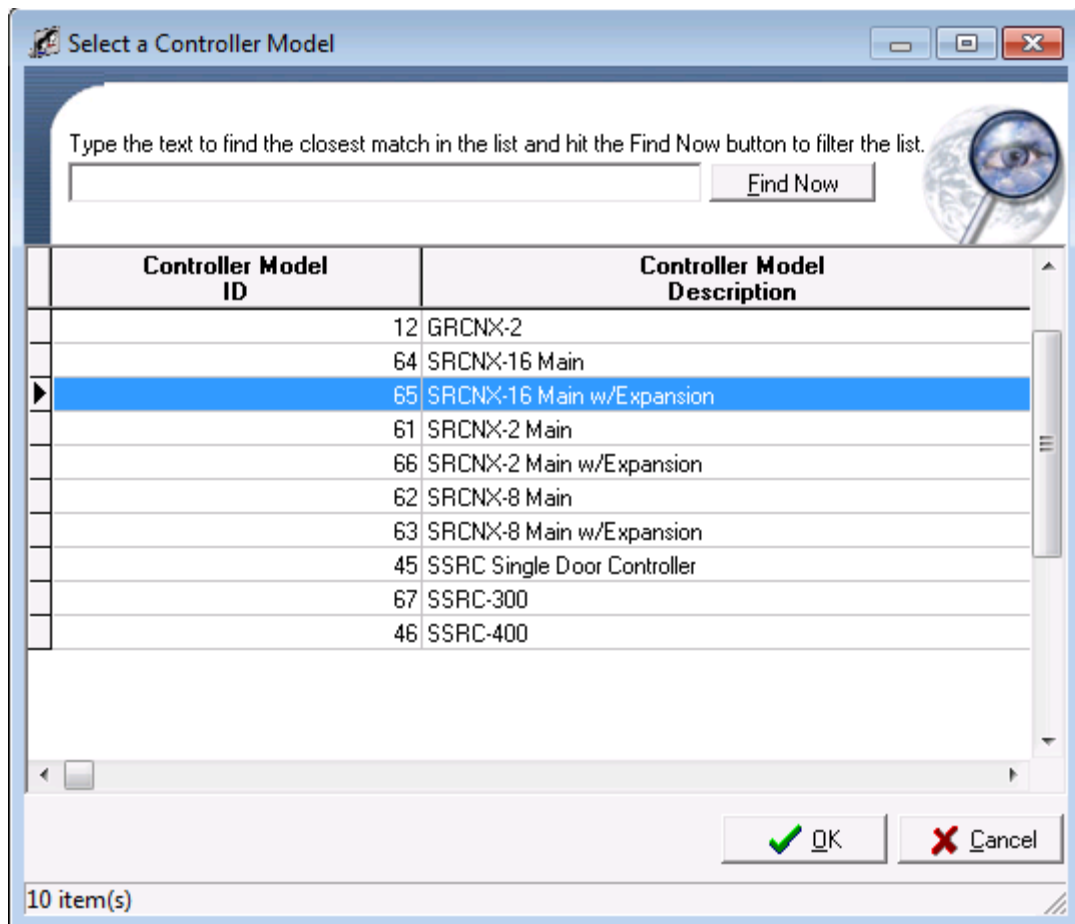
The screenshot shows a window titled "Controller Definition" with a menu bar containing "File", "Search", and "Help". The main area contains several configuration sections:

- * Description:** A text field containing "Defining an SRCNX16 Main w/expansion as an SRCNX-R".
- Notes:** An empty text area with a scroll bar.
- * Attached To I/O Port or Master:** A dropdown menu showing "DIM1 Network Port".
- Location:** A dropdown menu showing "Off Site".
- * Controller Model:** An empty dropdown menu.
- Callback Set:** A dropdown menu showing "No callback numbers".
- Site Code Set:** A dropdown menu showing "No defined site codes".
- Holiday Set:** A dropdown menu showing "No defined holidays".
- * Locale Timezone:** A dropdown menu showing "(GMT-05:00) Eastern Time (US & Canada)".
- IP Address or Host Name:** An empty text field.
- IP Port Number:** A text field containing "3001" with a lock icon and an "Encrypted" checkbox.
- Phone Number:** An empty text field.
- Master Channel:** A dropdown menu showing "N/A".
- Board Address:** A dropdown menu showing "N/A".
- Schedule Timezone:** A dropdown menu showing "Never" with a checkbox.
- Network Device Type:** A dropdown menu showing "<Click to Expand>".
- Administrative Level Password:** An empty text field.
- Access Level Password:** An empty text field.
- Domain Suffix:** An empty text field.
- Installed:** A checked checkbox.
- Reinstall All Devices:** An unchecked checkbox.

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

7. Next, choose the Location of the board, by clicking in the field that says "Location".
- Select your location from the list shown.
 - Click the OK button.

8. Next, click in the field that says "Controller Model". This will bring up a hardware list showing you all the types of controllers that can be selected. However, because the SRCNX-R1 is not in the list, we can use the existing hardware selections to setup the SRCNX-R1 properly.
 - a. In the list, select the controller that says: "SRCNX-16 Main w/Expansion" (You may also have the GRCNX-16 w/expansion controller for one of you choices, that option is acceptable).
 - b. Click the OK button.



9. Once you have selected your controller, your Controller Definition window should have the same controller model shown in the example below.

The screenshot shows the "Controller Definition" window with the following fields and values:

- * Description:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main w/Expansion
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** (Empty)
- IP Port Number:** 3001
- Encrypted:**
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** Never
- Network Device Type:** <Click to Expand>
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed:**
- Reinstall All Devices:**

Buttons at the bottom: Save and Close, Save and New, Close.

10. You can ignore the "Callback Set" field set as this is for dialup controller.
11. For the "Site Code Field", click in the field and select your predefined Side Code Set, if you have setup this option previously.
12. For the "Holiday Set" field, click in the field and select your predefined Holiday Set, if you have setup this option previously.

13. For the “Local Timezone” Field, Click in the field and select the Time Zone this controller is or will be located in. In the above example Eastern Standard Time was chosen.
14. In the “IP address or Host Name” field, type in the IP address of your controller. Your controller’s IP configuration should have been setup before hand.
 - a. In the below image, the controller’s IP address is: 10. 45.50.155. Your controller definition should look similar to the example below though your IP address will be different.

The screenshot shows a window titled "Controller Definition" with a menu bar containing "File", "Search", and "Help". The main area contains the following fields and options:

- * Description:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main w/Expansion
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** 10.45.51.155
- IP Port Number:** 3001
- Encrypted:**
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** Never
- Network Device Type:** <Click to Expand>
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed
- Reinstall All Devices

At the bottom of the window are three buttons: "Save and Close", "Save and New", and "Close".

15. The “IP Port number” is the TCP Network Port that the SRCNX-R1 controller uses to communicate with the CIM across the network. Unless directed, you should not change this setting.
16. You can ignore the “Phone Number” field as this is for dial up controllers only.
17. Next, click in the “Network Device Type” field. In the selection list, choose the Schlage SPINX100 network device. Your Controller Definition should look similar to the one below.

The screenshot shows the 'Controller Definition' window with the following configuration:

- * Description:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main w/Expansion
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** 10.45.51.155
- IP Port Number:** 3001 (with a lock icon) Encrypted
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** Never
- Network Device Type:** Schlage SIPNX100
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed
- Reinstall All Devices

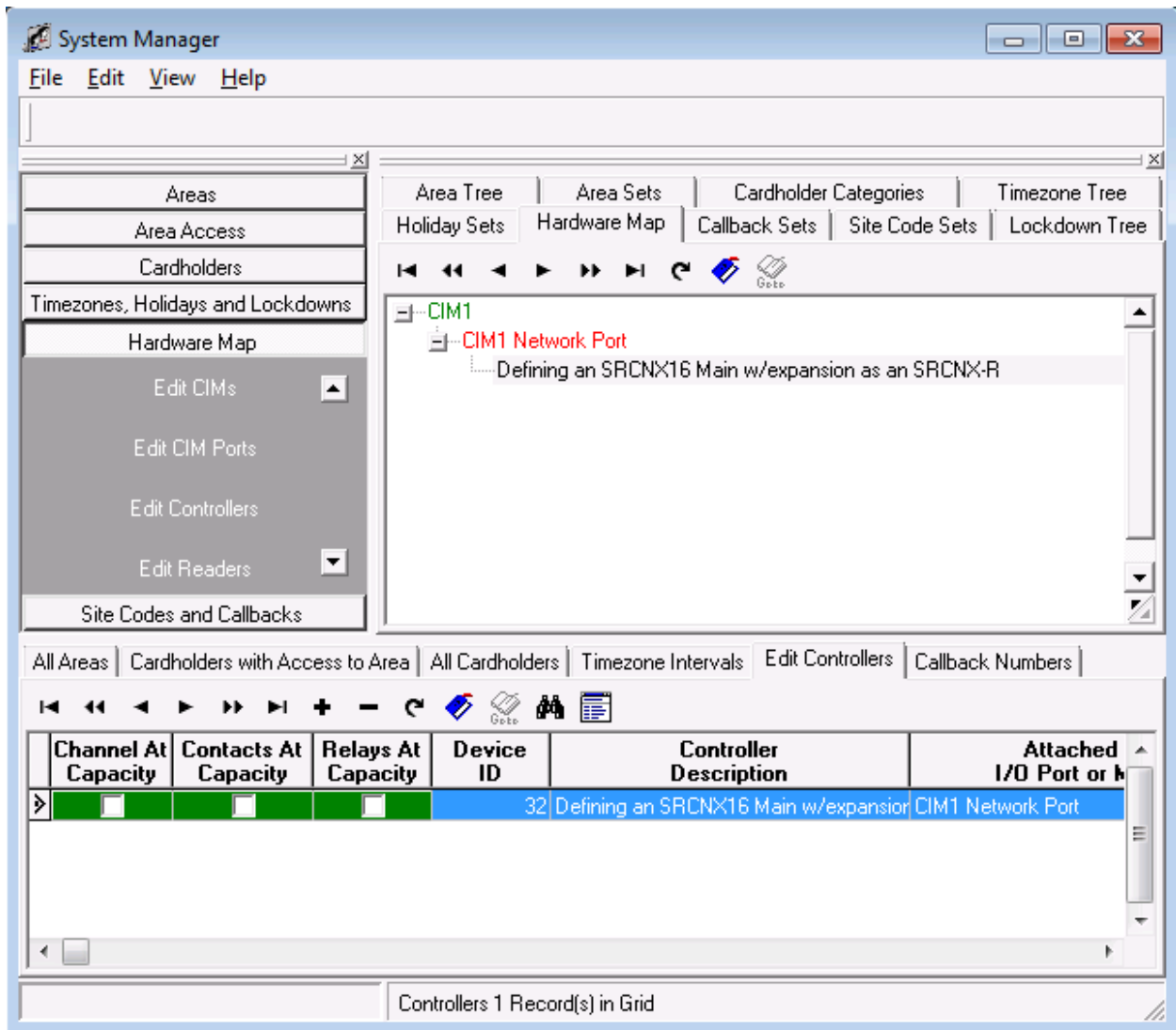
At the bottom of the window are three buttons: 'Save and Close', 'Save and New', and 'Close'.

18. Lastly, if this controller is installed, and placed on the network, make sure the “Installed” checkbox is checked. If the Panel is not physically installed on the network, you can pre-

configure your controller in SMS, and *uncheck* the Installed checkbox. This way, SMS will not be 'looking' for it until it is ready.

19. Click the Save and Close button.

20. You will now be back in the System Manger Window. If you expand the hardware map tree, you window should look similar to the one below.



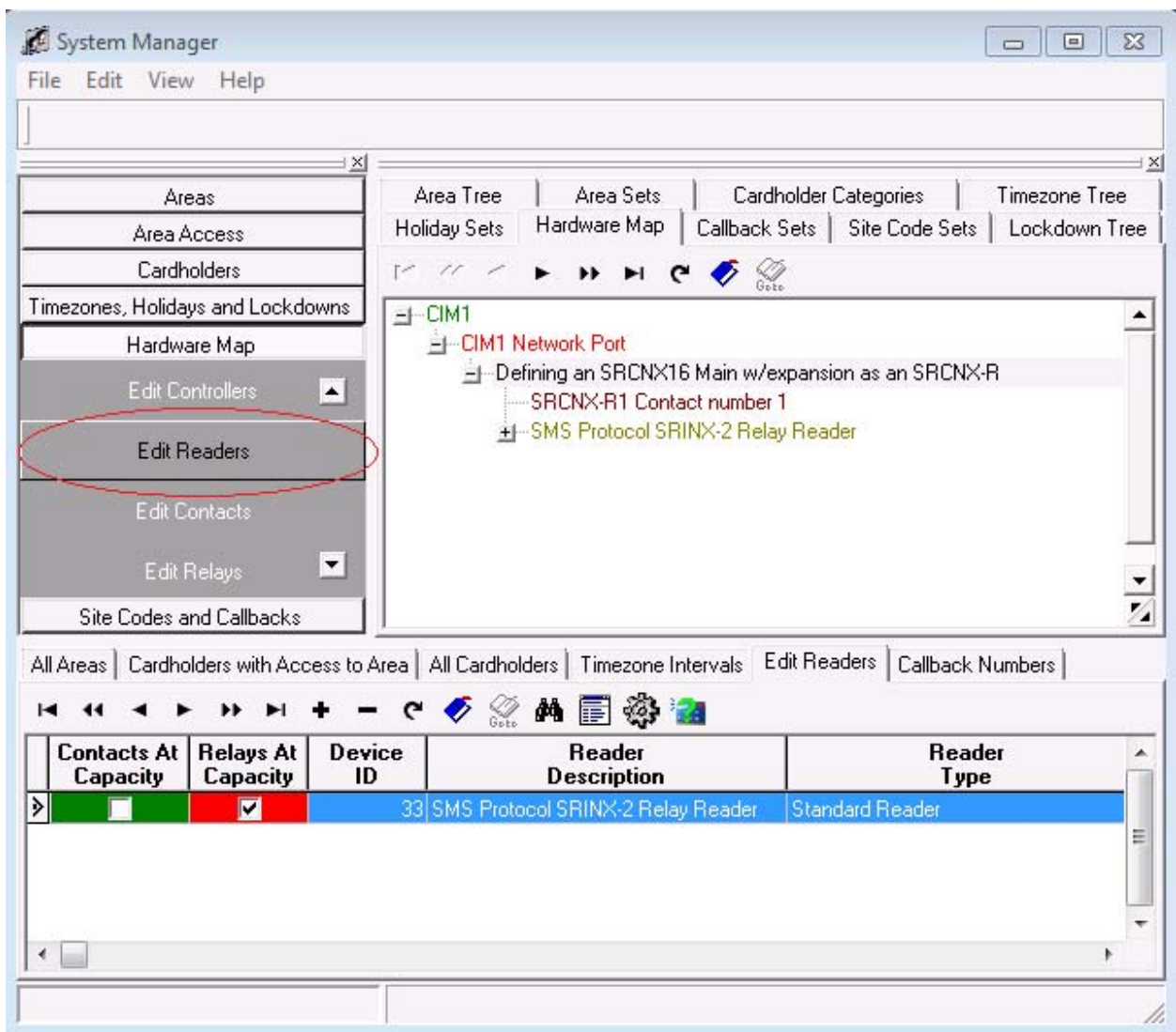
Attaching Devices to a SRCNX-R1

Now we must setup devices on the two available channels. You can setup up to 8 devices of the same protocol on channel 2 and 8 devices of SMS protocol ONLY on Channel 3. In the following pages, we will show you how to setup devices on SMS V5.3.5. Additional instructions for V5.3.4 and below will be given in **bold text** in line with the v5.3.5 instructions.

Attaching Devices to Channel 2

In the next set of instructions, continuing with this controller, we will configure an F Protocol device on Channel 2.

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Readers.



- Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

* Description
AD300MS F-Protocol Reader

Notes

* Attached To

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes) Channel Number Reader Address
0 3 1

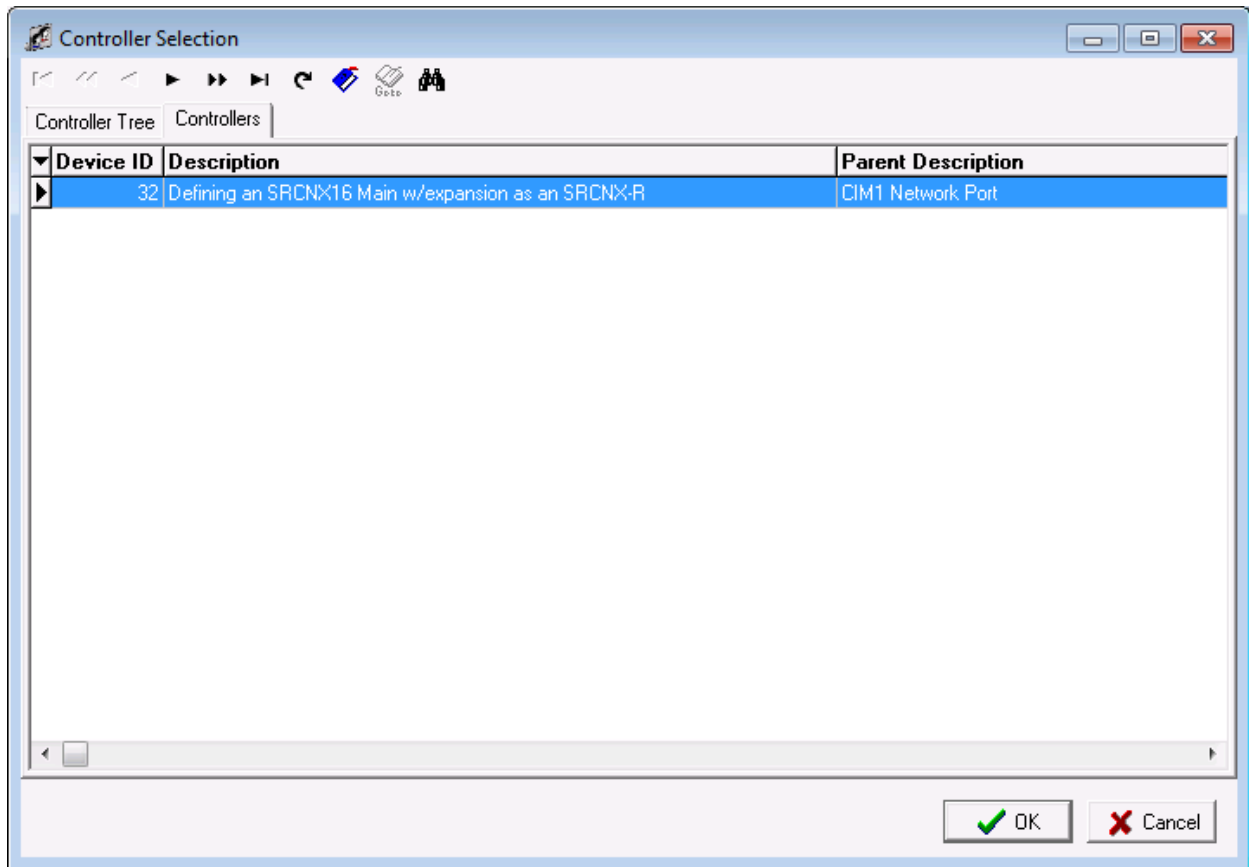
Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

- Give your Reader definition a description.

5. Next we need to attach the reader to a controller. Click in the field "Attach To", the Controller Selection window will open.



- a. Select the controller you created earlier and then click the OK button. You will be returned to the Reader definition window.

6. Your Reader Definition should look similar to the one below.

The screenshot shows a 'Reader Definition' dialog box with the following fields and values:

- * Description: AD300MS F-Protocol Reader
- Notes: (Empty)
- * Attached To: Defining an SRCNX16 Main w/expansion as an SRCNX-R
- * Provides Access To Area: Off Site
- * Reader Model: (Empty)
- * Reader Type: Standard Reader
- * Door Type: Pedestrian
- Antipassback Time (Minutes): 0
- Channel Number: 3
- Reader Address: 1
- Reader Template: No Device
- Keypad Reader:
- Degraded Mode:
- Auto Relock:
- Guest Sign In Reader:
- Guest Sign Out Reader:
- Installed:
- Reinstall All Devices:

Buttons at the bottom: Save and Close, Save and New, Close.

7. Next, we need to associate the reader with an area. Please click in the field "Provides Access to Area", choose the area you want to install the reader into and then click the OK button.

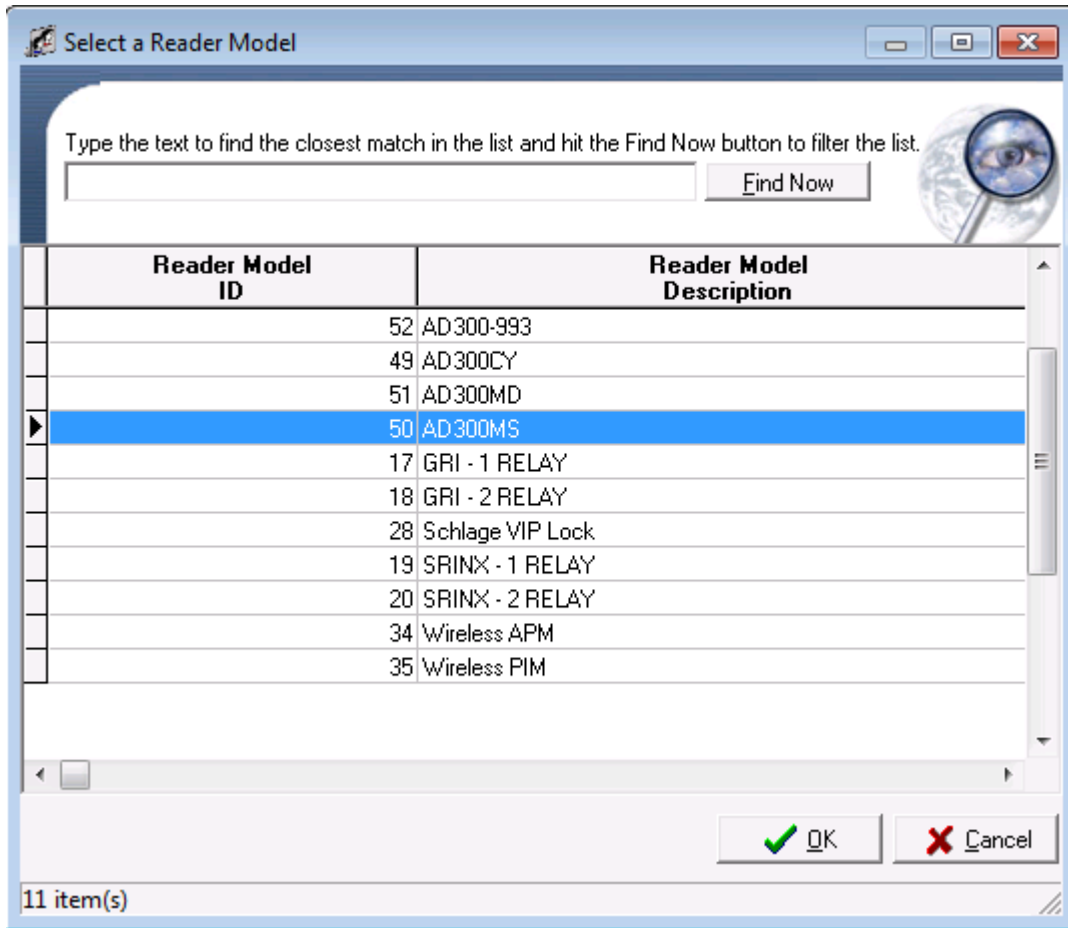
8. For this example the default Off Site Area was chosen. Your Reader Definition window should look similar to the example below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The main content area is divided into several sections:

- * Description:** A text field containing "AD300MS F-Protocol Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an SRCNX16 Main w/expansion as an SRCNX-R".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** An empty dropdown menu.
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "3".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there is a toolbar with three buttons: "Save and Close", "Save and New", and "Close".

9. Next, click in the field “Reader Model” and choose a F-series Protocol Device. In this example, I chose the AD300MS model.



10. After your selection, your Reader Definition Window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains the following fields and controls:

- * Description:** A text box containing "AD300MS F-Protocol Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu with the text "Defining an SRCNX16 Main w/expansion as an SRCNX-R" and a "..." button.
- * Provides Access To Area:** A dropdown menu with the text "Off Site" and a "..." button.
- * Reader Model:** A dropdown menu with the text "AD300MS" and a "..." button.
- * Reader Type:** A dropdown menu with the text "Standard Reader" and a "..." button.
- * Door Type:** A dropdown menu with the text "Pedestrian" and a "..." button.
- Antipassback Time (Minutes):** A numeric spinner box set to "0".
- Channel Number:** A numeric spinner box set to "3".
- Reader Address:** A numeric spinner box set to "1".
- Reader Template:** A dropdown menu with the text "No Device" and a "..." button.
- Checkboxes:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close" (with a floppy disk icon), "Save and New" (with a floppy disk icon), and "Close" (with a red X icon). There are also help and refresh icons on the left side of the bottom bar.

11. Because there is no AD Series locks in SMS Versions below 5.3.5, you would need to choose a VIP lock instead to support the AD Series.

Reader Definition

File Edit Search Help

* Description
AD300 Series Reader

Notes

* Attached To
Defining an RCNX16 as an SCRNX-R0

* Provides Access To Area
Off Site

* Reader Model
Schlage VIP Lock

* Reader Type <Click to Expand> * Door Type <Click to Expand>

Antipassback Time (Minutes) 0 Channel Number 1 Reader Address 1

Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

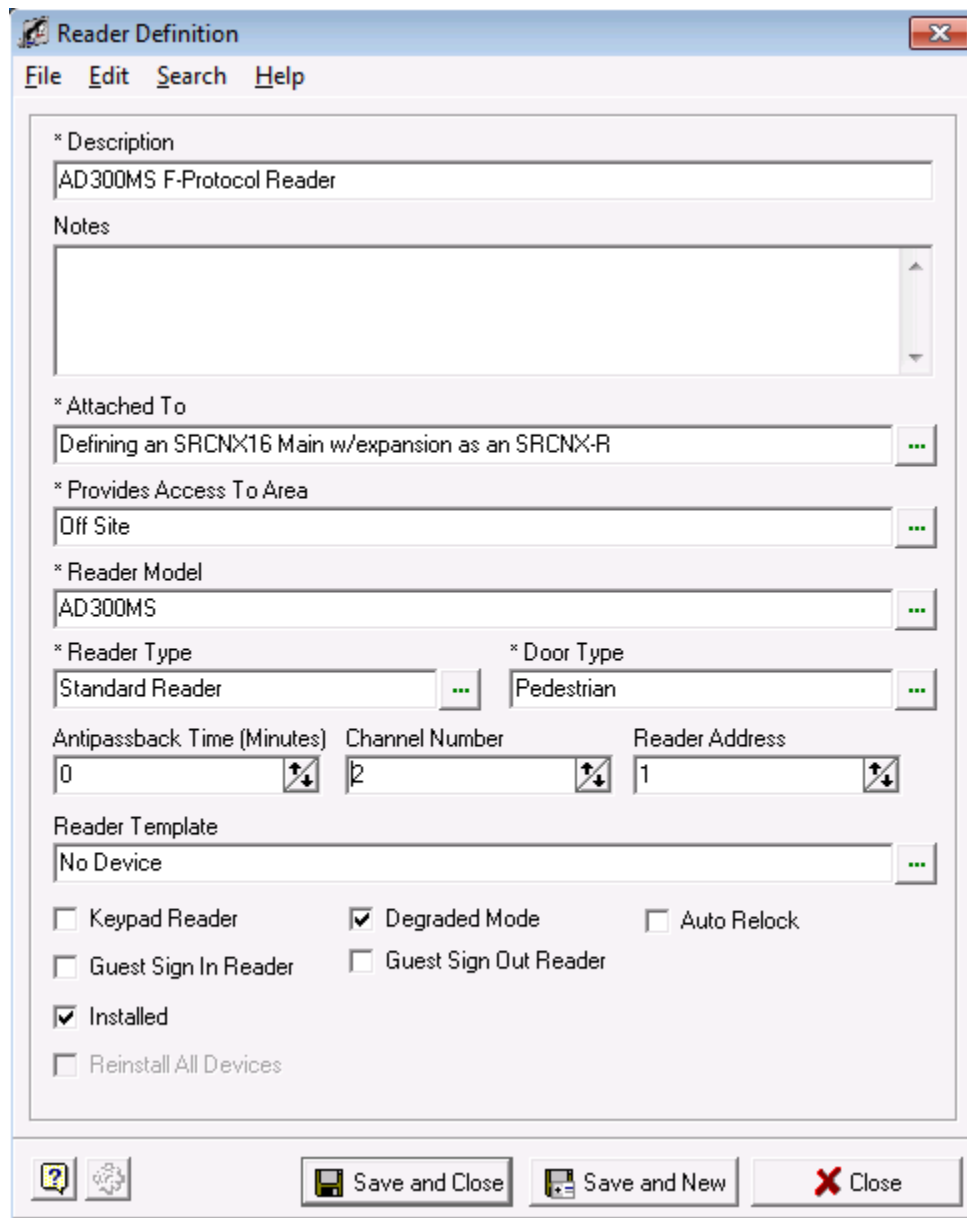
12. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the reader and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

The screenshot shows the 'Reader Definition' window with the following configuration:

- * Description:** AD300MS F-Protocol Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- * Provides Access To Area:** Off Site
- * Reader Model:** AD300MS
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 3
- Reader Address:** 1
- Reader Template:** No Device
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

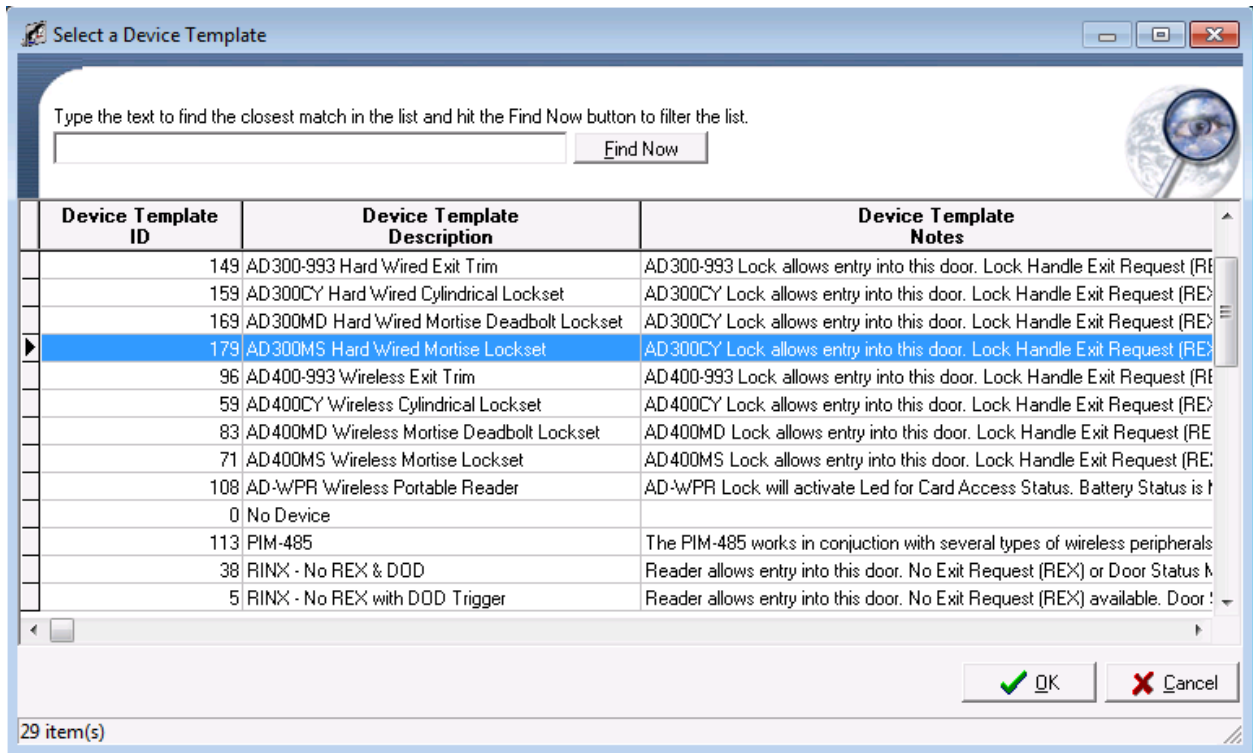
13. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 for F or SMS protocol devices or 3 for *ONLY* SMS protocol devices. In our example we are using Channel 2 using *ONLY* F protocol and like devices as you cannot mix different protocol and device types on a single channel.
14. In this example, this is the first reader on Channel 2 so we will assign Channel 2 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 2, Reader Address 2 and so on.
15. Your Reader Definition Window should look similar to the one below.



16. Next, we need to choose a reader template. You have the option of not choosing a template, however, we highly recommend you do as the reader templates will setup all the relays, contacts, etc. automatically for you for the reader you selected.

17. Click in the field that says “Reader Template”. This will bring up the Device Template window.

- a. Choose a device template and click the OK button. In this example the AD300MS Hard Wired Mortis Lock Set was chosen.



18. When complete, your Reader Definition should look like the example below.

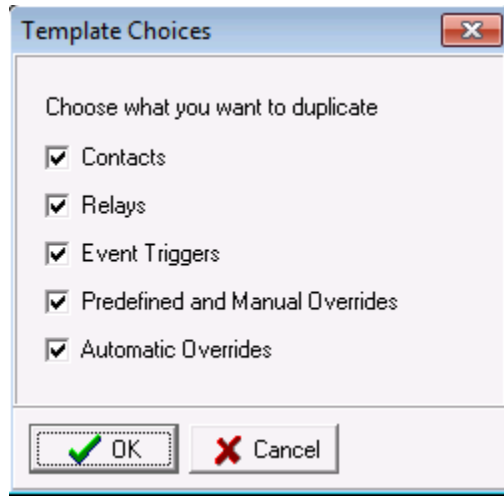
The screenshot shows a 'Reader Definition' dialog box with the following fields and options:

- * Description:** AD300MS F-Protocol Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- * Provides Access To Area:** Off Site
- * Reader Model:** AD300MS
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 2
- Reader Address:** 1
- Reader Template:** AD300MS Hard Wired Mortise Lockset
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

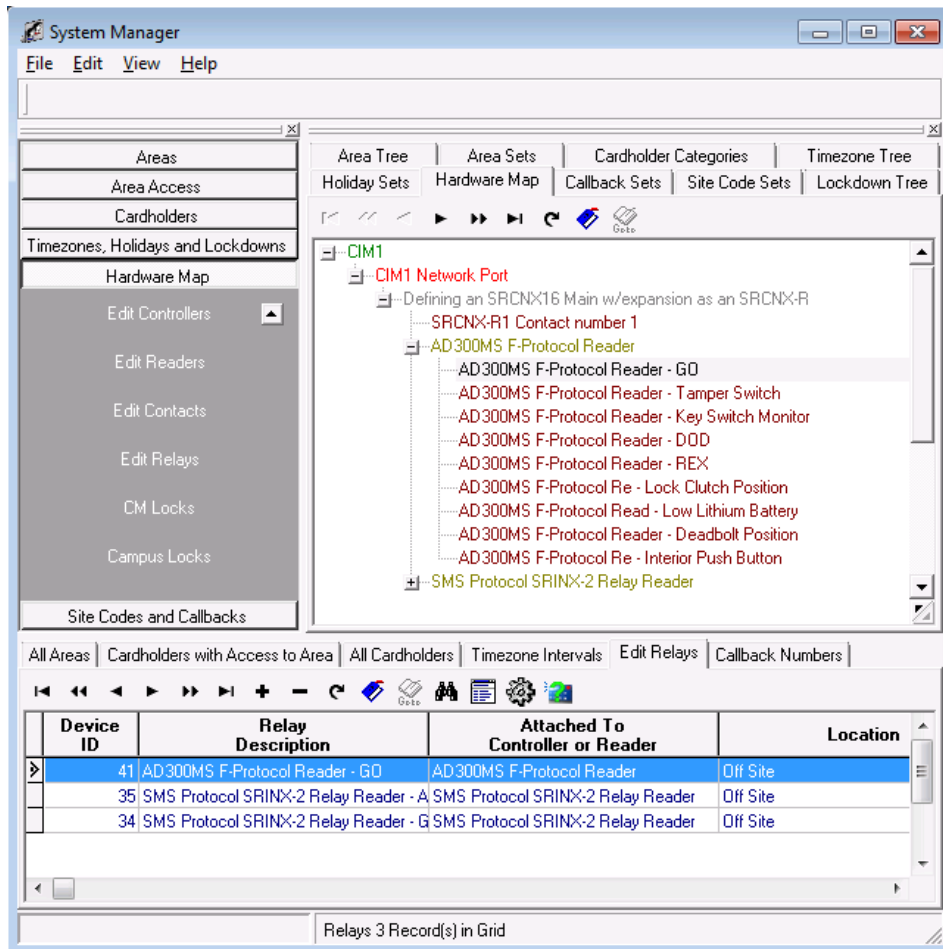
At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

19. You can also make additional choices by checking off the check boxes should you need or decide to.

20. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
- In 99% of the case, you will use the default values. Click the OK button and your Reader Definition is complete.



21. You will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

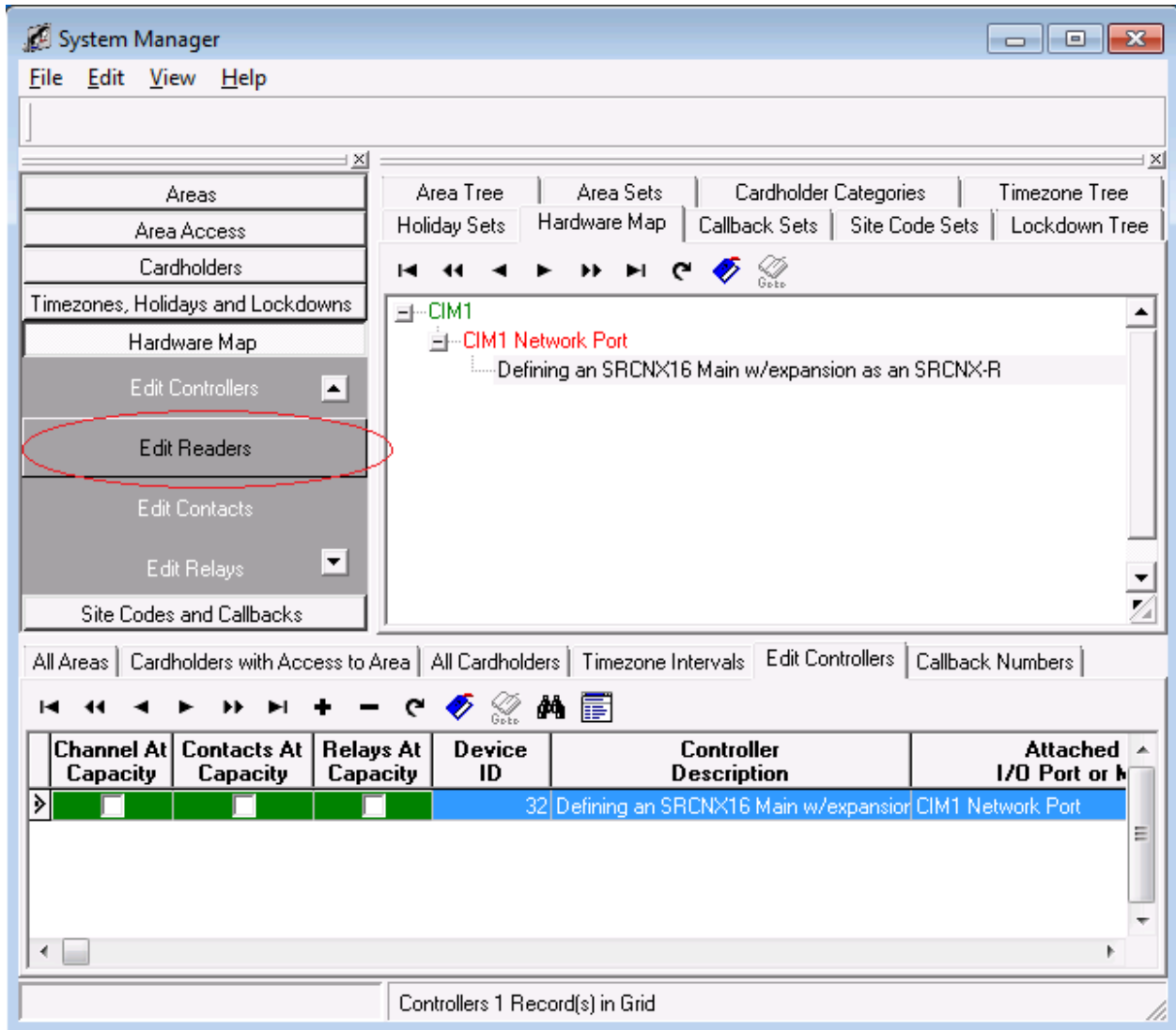


Attaching Devices to Channel 3

Now we will setup an SMS Protocol device on the second channel, channel 3. Remember that the SRCNX-R1 can ONLY have SMS Protocol devices attached to Channel 3.

In this example, we'll be setting up an SMS Protocol device, SRINX – 2 Relay Reader on Channel 3.

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Readers.



- Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

Reader Definition

File Edit Search Help

* Description
SMS Protocol SRINX-2 Relay Reader

Notes

* Attached To

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes) Channel Number Reader Address
0 1 1

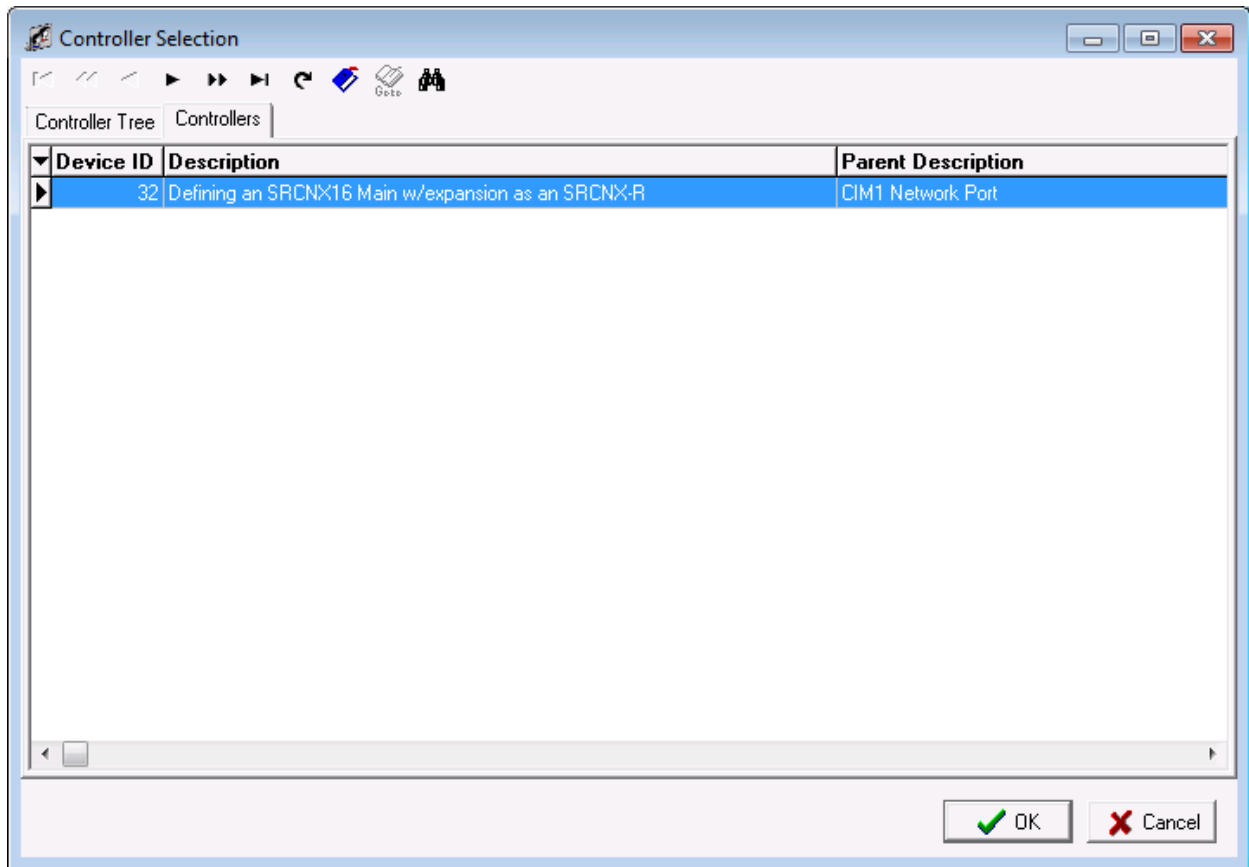
Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

? [Settings] Save and Close Save and New Close

- Give your Reader definition a description.

5. Next we need to attach the reader to the controller. Click in the field "Attach To" the Controller Selection window will open.



- a. Select the controller you created earlier.
- b. Click the OK button. The Controller Selection window will close and return you to the Reader Definition window.

6. Your Reader Definition should look similar to the one below.

* Description
SMS Protocol SRINX-2 Relay Reader

Notes

* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes) Channel Number Reader Address
0 1 1

Reader Template
No Device

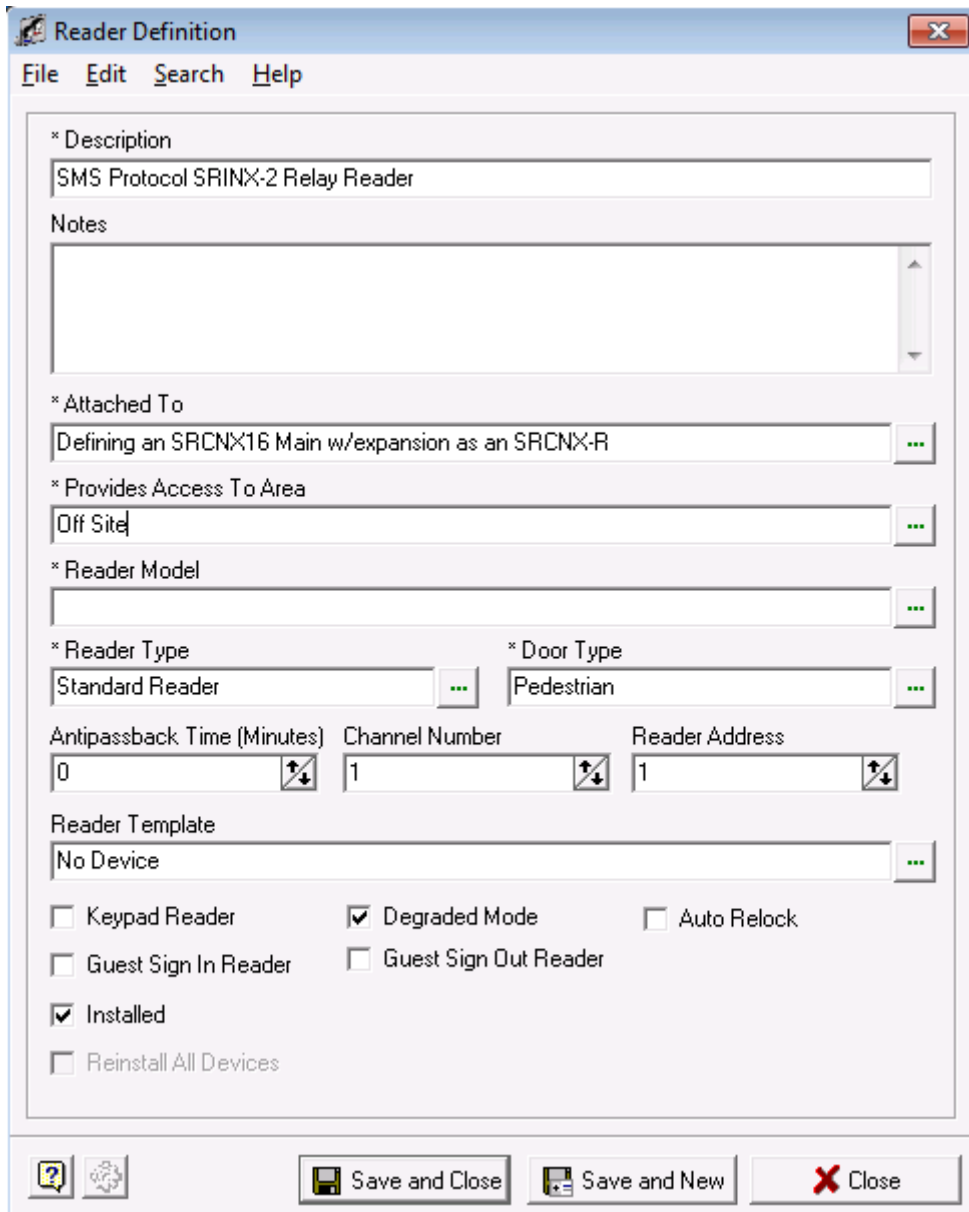
Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

7. Next, you need to associate the reader with an area. Click in the field “Provides Access to Area”: a list of areas will open.

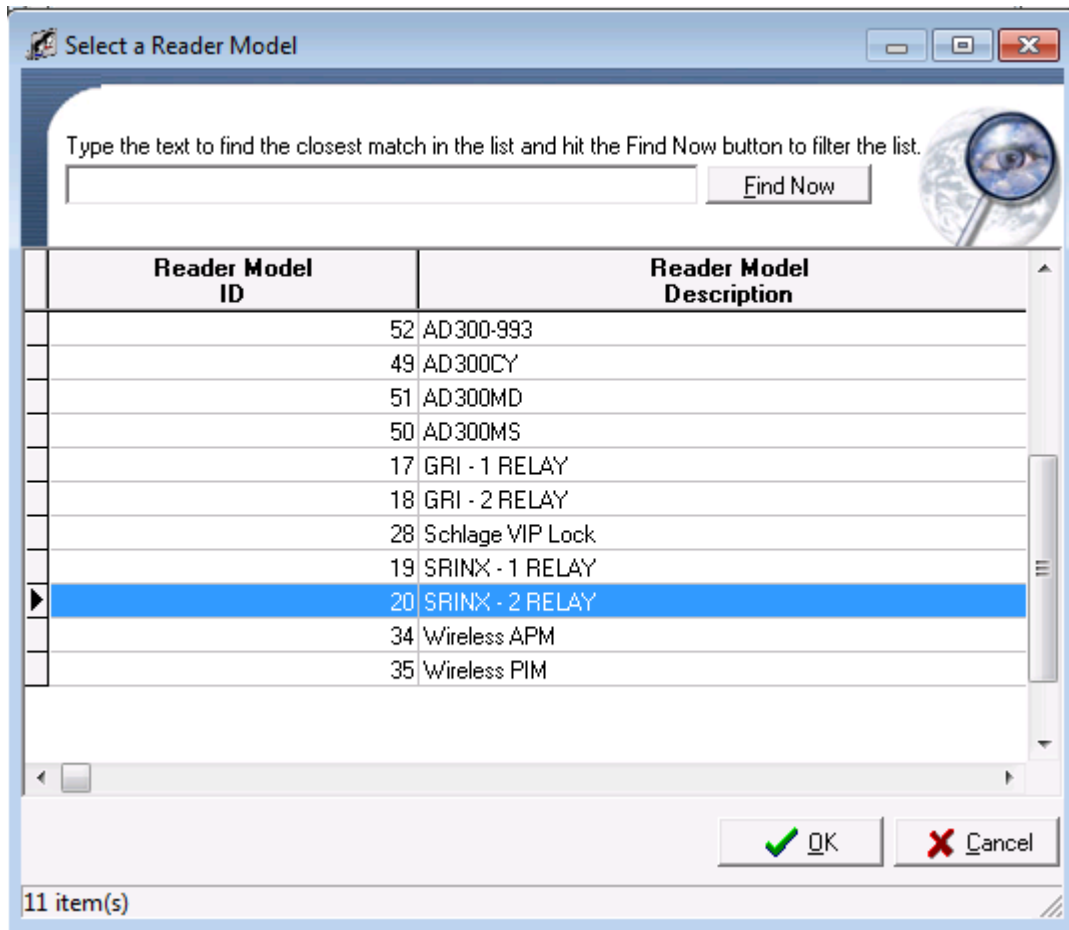
- c. Choose the area you want to install the reader into.
- d. Click the OK button.

8. In this example, the default Off Site Area was chosen . Your Reader Definition window should look similar to the example below.



Note: When you opened the Reader Definition window the Area already had a value. If you have configured a reader before, this field as well as some others (channel number, reader address, etc .) is remembered from your last selection. If the options from the previous reader are valid for the new reader, those values do not need to be altered.

9. Next, click in the field “Reader Model” and choose an SMS Protocol Device. In this example the SRINX – 2 Relay Reader was chosen.



10. After your selection, your Reader Definition Window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains the following fields and options:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 1
- Reader Address:** 1
- Reader Template:** No Device
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

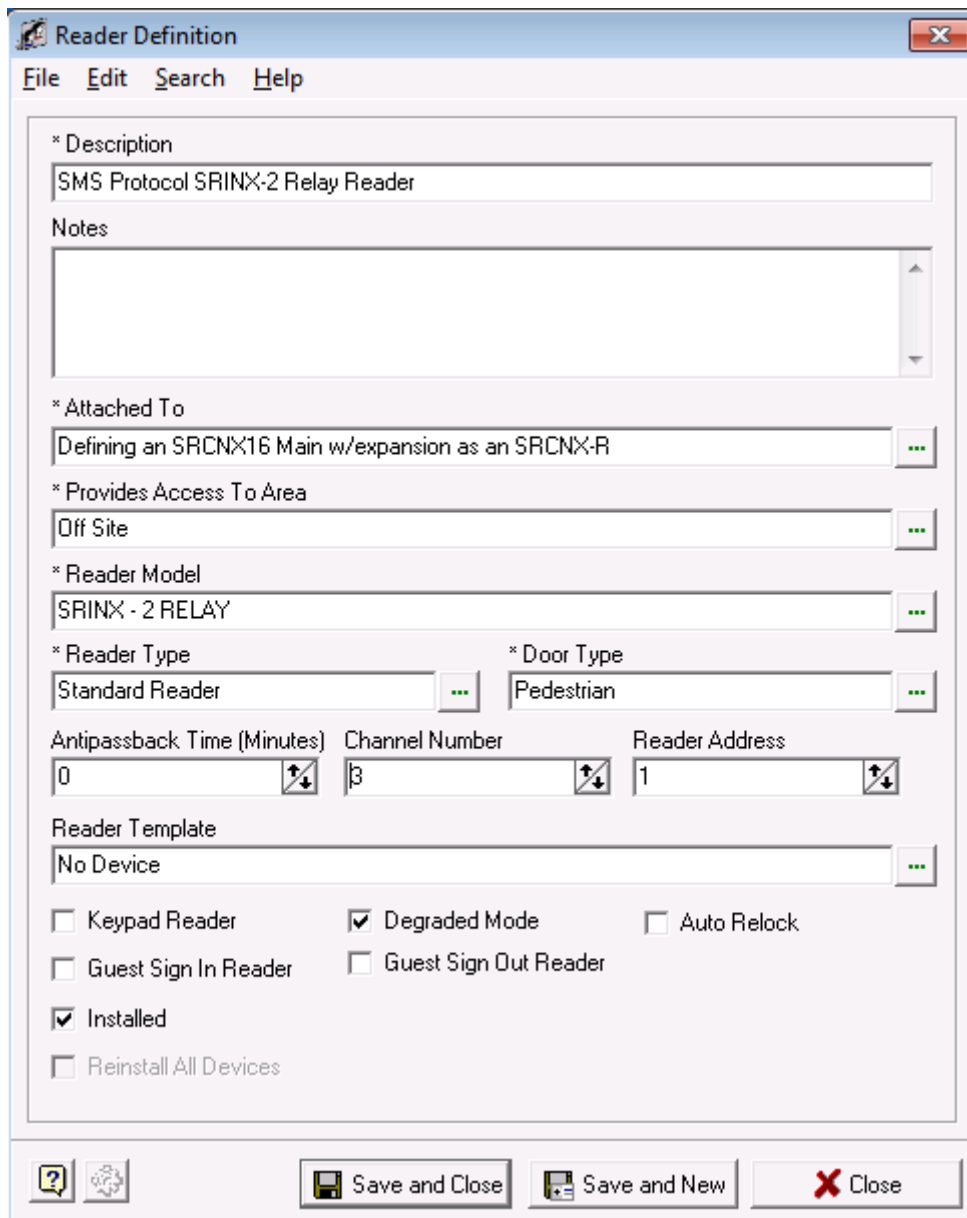
11. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

The screenshot shows the 'Reader Definition' window with the following configuration:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 1
- Reader Address:** 1
- Reader Template:** No Device
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

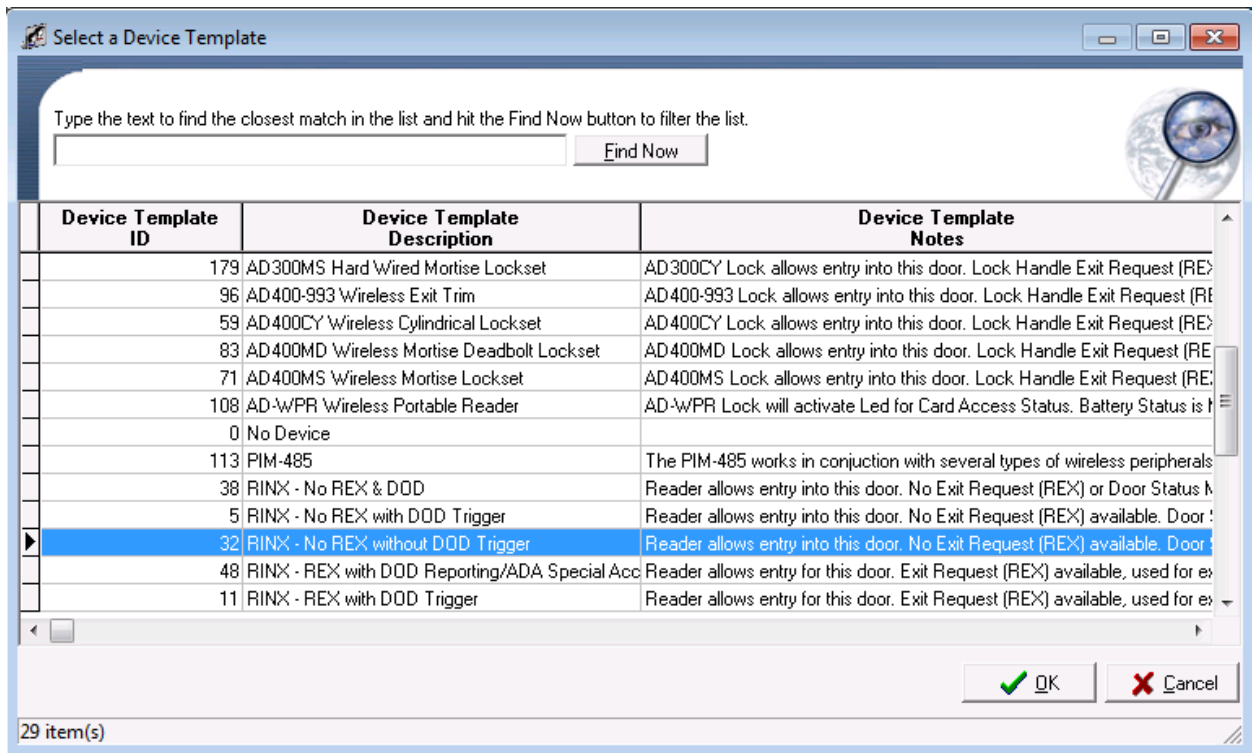
At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

12. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. In our example we are using Channel 3 using ONLY SMS protocol and like devices as you can only have SMS Protocol devices on channel 3.
 - a. This is the first reader so we will assign Channel 3 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 3, Reader Address 2 and so on.
13. Your Reader Definition Window should look similar to the one below.



14. Next, you need to choose a reader template. You have the option of not choosing a template, however, it is highly recommend that you do as the reader templates will setup all the relays, contacts, etc. automatically for the reader you selected.

15. Click in the field that says “Reader Template” This will bring up a list of template to choose from.



- a. Select a reader Template. In this example, the RINX – No REX without DOD Trigger template was chosen
- b. Click the OK button. The window will close.

16. When complete, your Reader Definition should look like the example below.

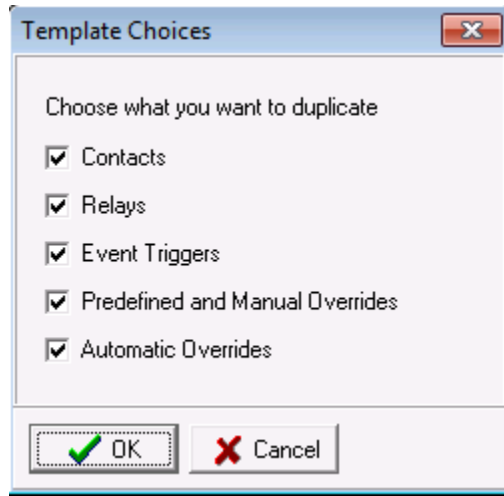
The screenshot shows a 'Reader Definition' dialog box with the following fields and options:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 3
- Reader Address:** 1
- Reader Template:** RINX - No REX without DOD Trigger
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

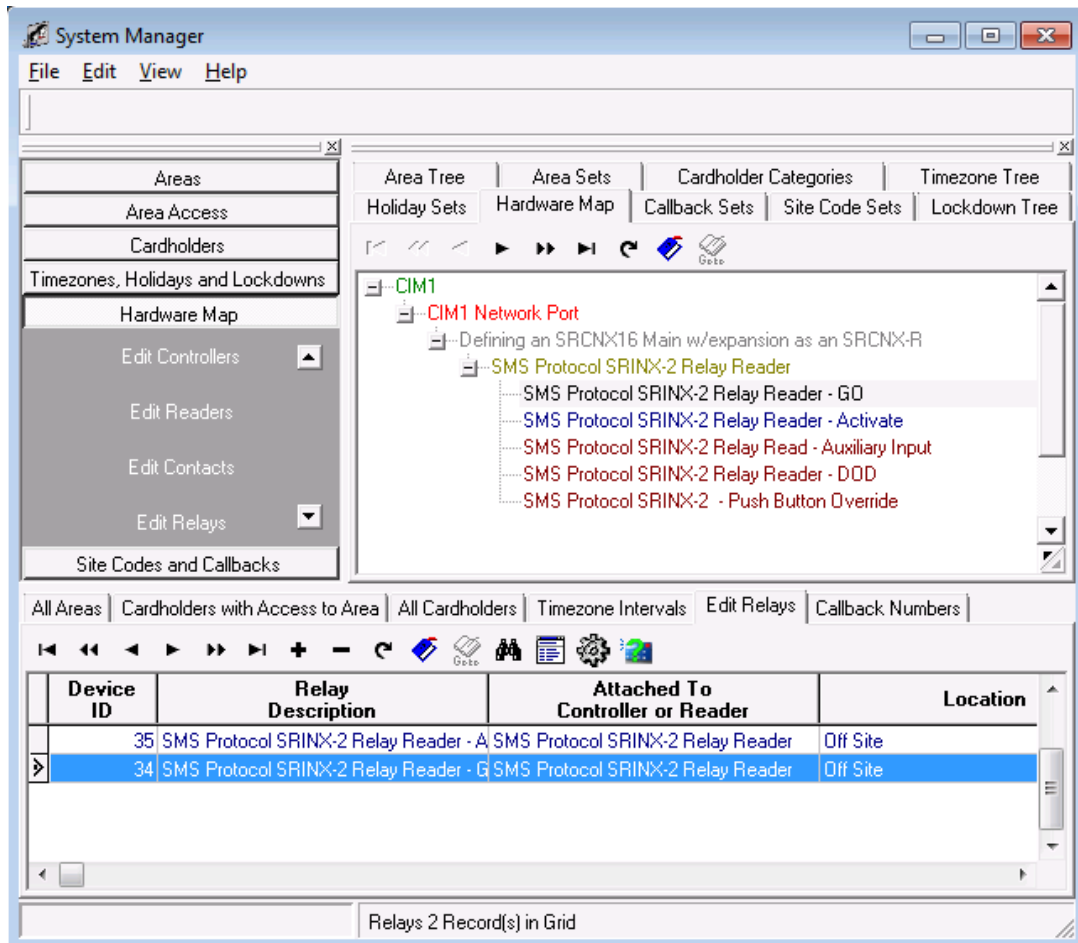
At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

17. You can also make additional choices by checking off the check boxes should you need or decide to.

18. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
- e. In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.



19. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

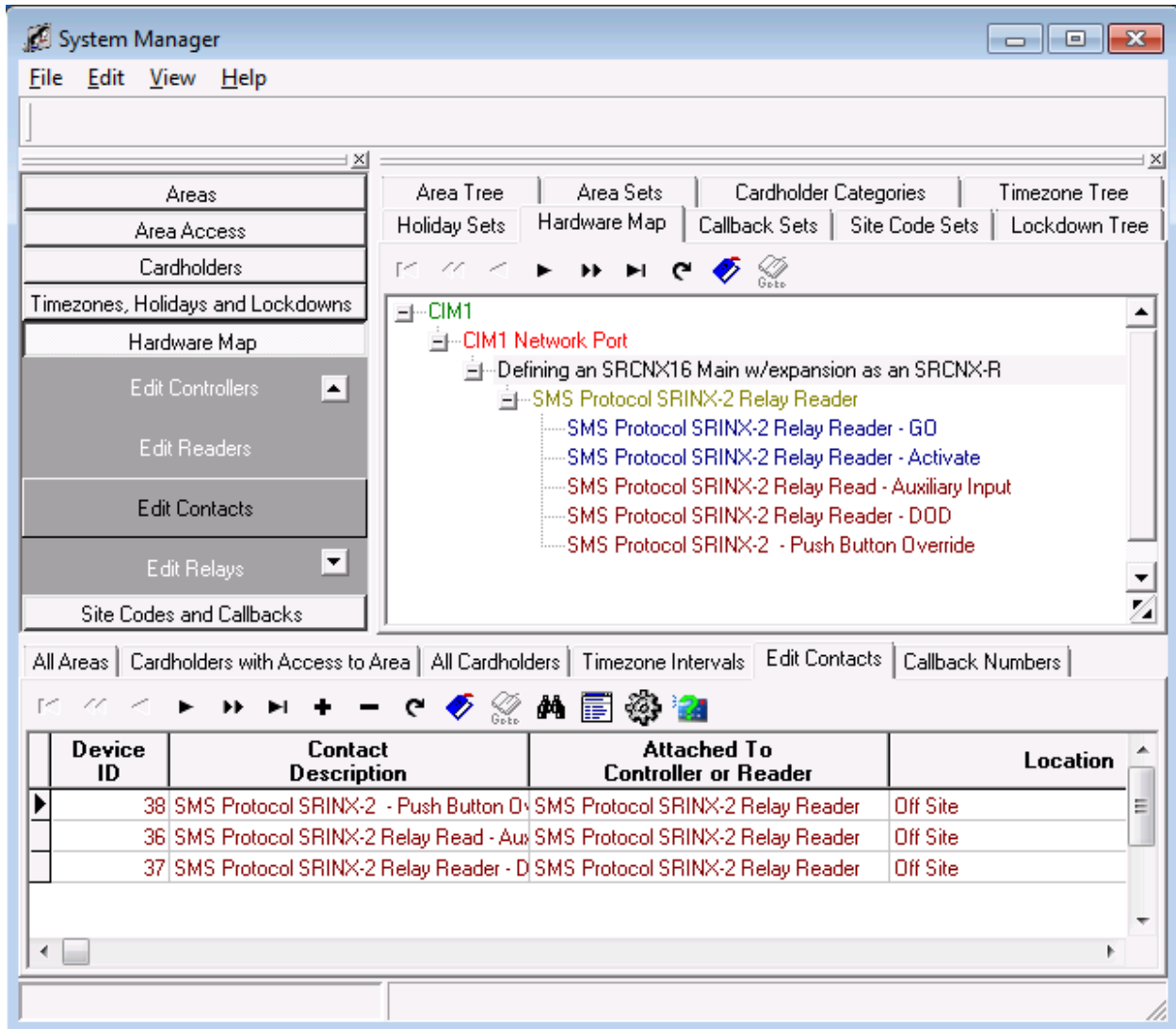


Programming Contacts and Relays

An SRCNX-R1 can have up to 8 Contacts and Relays. Because we're using the SRCNX with Expansion controller setting to mimic a SRCNX-R1, the system will allow you to program more than the allotted contacts and relays. You must remember that you can only program the *first* 8 inputs for contacts and first 8 relays.

Follow the instructions below to set up a contact and relay.

1. To start Launch System Manager.
2. Select Hardware Map, and click on Edit Contacts.



3. In the bottom section, click on the + button . This will bring up you Contact Definition form

* Description
SRCNX-R1 Contact number 1

Notes

* Attached to Which Controller or Reader ...

* Location
Off Site ...

* Contact Type
REX ...

* Associated Elevator Reader

Alarm Samples: 2

Fault Samples: 16

Parallel Resistor: 0

Series Resistor: 0

Debounce Period (Seconds): 0

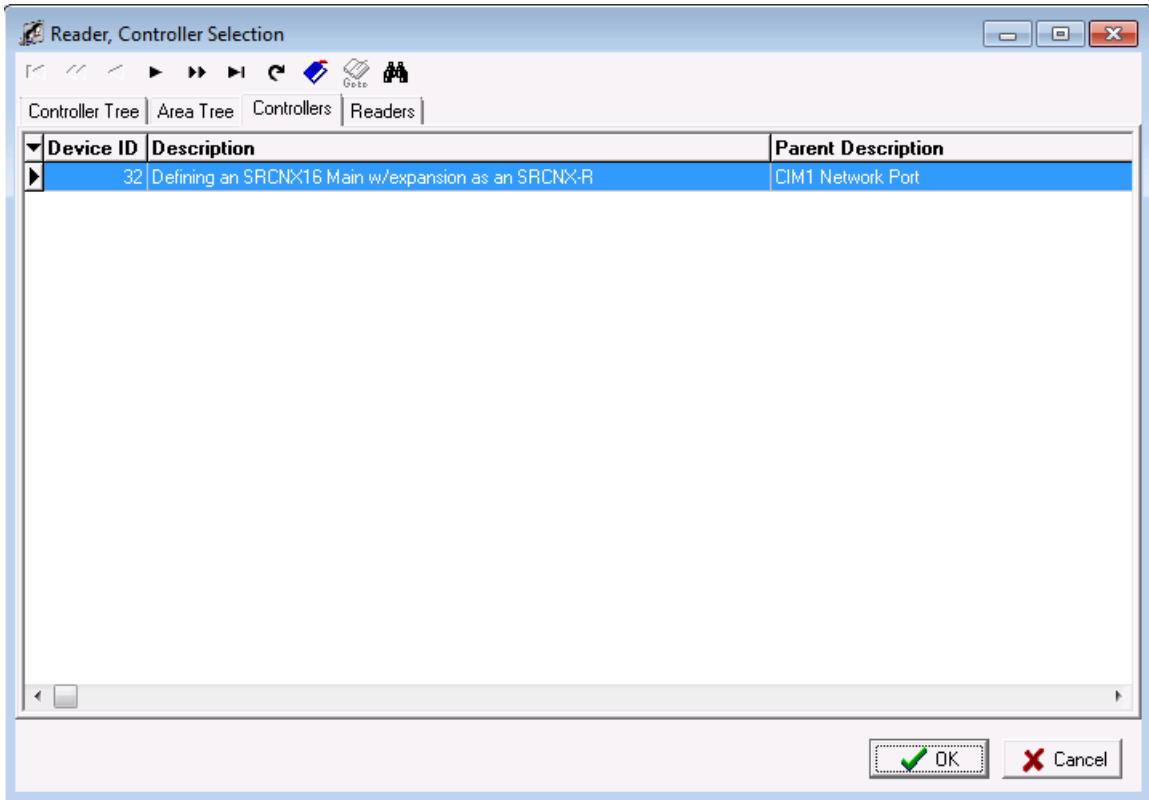
Input Number: 1

Verify Status Normally Open Installed

Save and Close Save and New Close

4. In your Contact definition, give your Contact a description. (We recommend your description describes something about the new hardware so when looking at it later you can differentiate that this is the new version of controller.) In this example the contact description is: SRCNX-R1 Contact

5. Next we need to attach the contact to your controller. Click in the field called “Attached to Which Controller or Reader”. This will bring up the Reader, Controller Selection window.
 - a. Click on the Controller Tab.



- b. Select the previously defined controller and click the OK button. You will be returned to the Contact Definition window.

6. Your Contact definition should look similar to the one below.

* Description
SRCNX-R1 Contact number 1

Notes

* Attached to Which Controller or Reader
Defining an SRCNX16 Main w/expansi

* Location
Off Site

* Contact Type
REX

* Associated Elevator Reader

Alarm Samples: 2
Fault Samples: 16
Parallel Resistor: 0
Series Resistor: 0
Debounce Period (Seconds): 0
Input Number: 1

Verify Status Normally Open Installed

Save and Close Save and New Close

7. Next choose a location for your contact. Click in the field called “Location” and select a location from the list. In this example Off Site was chosen.

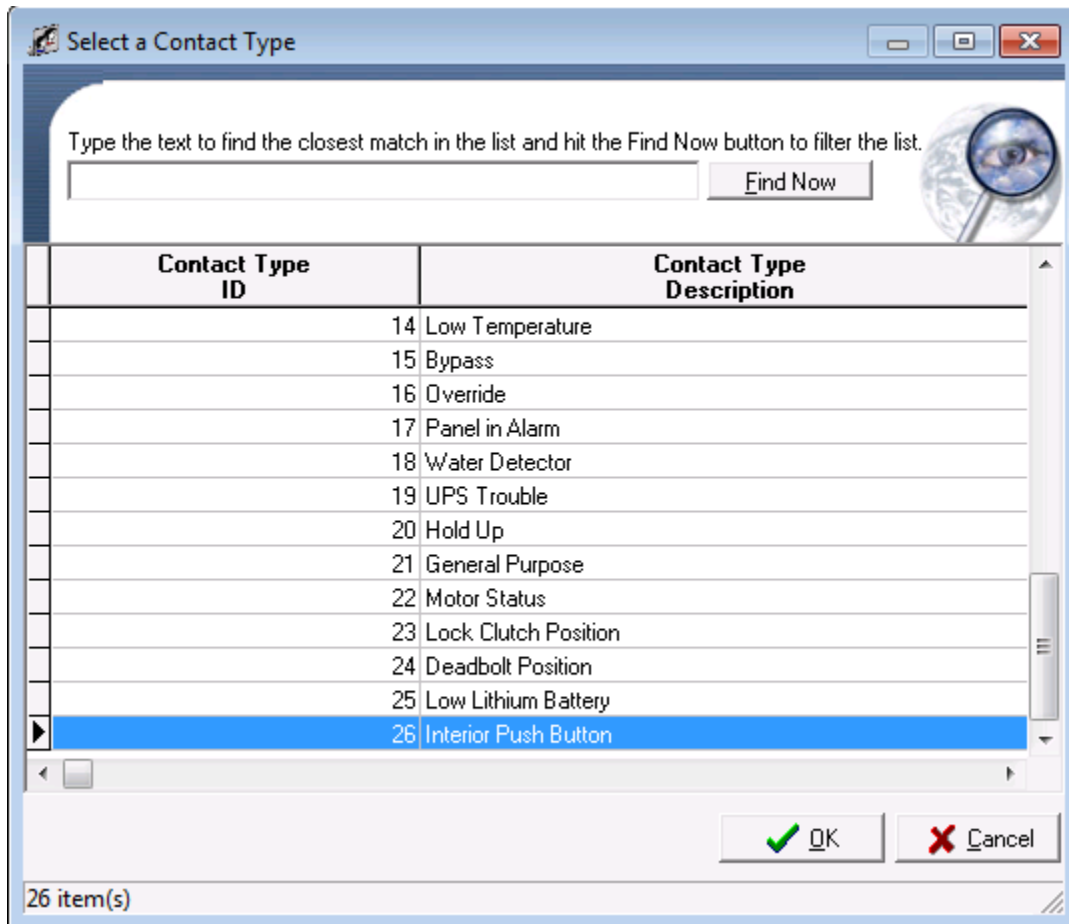
8. When complete you contact definition should look like the example below.

The screenshot shows a 'Contact Definition' dialog box with the following fields and settings:

- * Description:** SRCNX-R1 Contact number 1
- Notes:** (Empty text area)
- * Attached to Which Controller or Reader:** Defining an SRCNX16 Main w/expansi ...
- * Location:** Off Site ...
- * Contact Type:** REX ...
- * Associated Elevator Reader:** (Empty)
- Alarm Samples:** 2
- Fault Samples:** 16
- Parallel Resistor:** 0
- Series Resistor:** 0
- Debounce Period (Seconds):** 0
- Input Number:** 1
- Verify Status:**
- Normally Open:**
- Installed:**

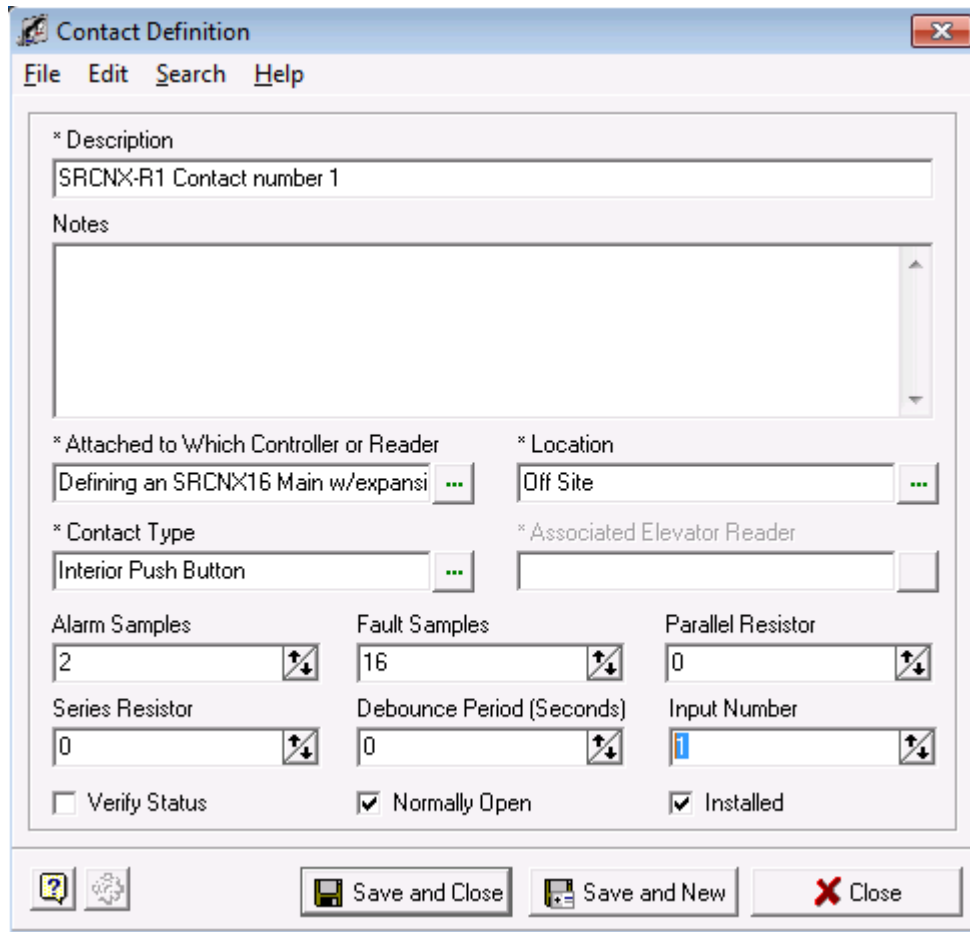
Buttons at the bottom: ? (Help), [Icon], Save and Close, Save and New, Close (X).

9. Next we need to define a Contact Type. Click in the field called: "Contact Type". The Select a Contact Type window will open.



10. Choose a contact type and click the OK button. The window will close. In this example an Interior Push Button was chosen.
- NOTE:** The contact being configured is NOT attached to a reader, as such REX or DOD will not be normally chosen as a contact type.
11. Now we need to define an Input Number.
- NOTE:** You can ONLY choose an input number between 1 through 8. In the SMS Software, even though you can choose an input number greater than 8, if you do, the contact will NOT work. Remember, we are configuring an SRCNX-16 as an SRCNX-R1 panel. The SRCNX-R1 panel only allows for up to 8 contacts.
12. In this example the input number is set to 1. However, just because this is the first contact being programmed, any input number may be chosen (1-8), as long as the programming matches the physical contact number on the controller.

13. Your Contact definition should look similar to the one below.



14. Define other contact parameters.

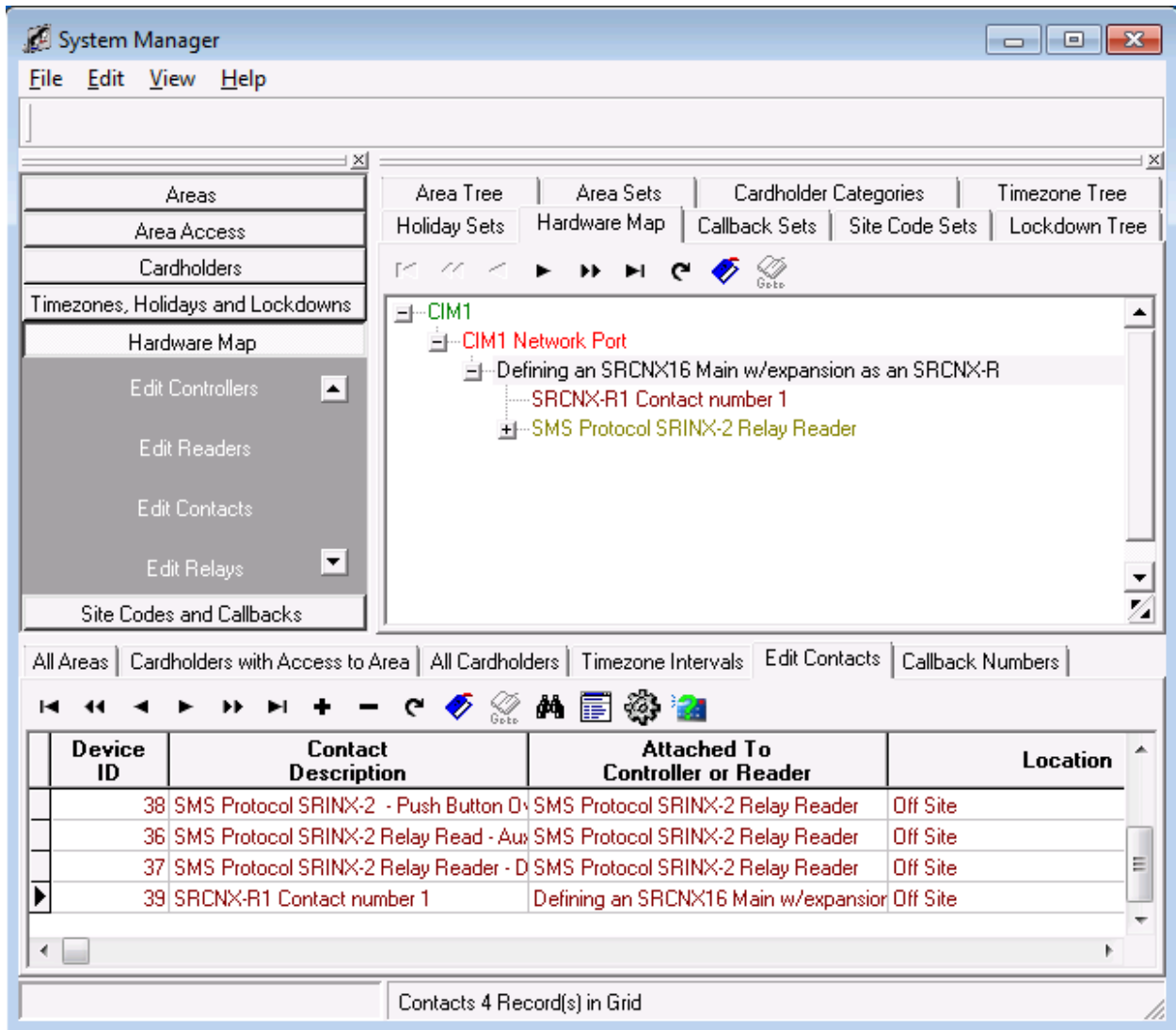
a. Set Alarm Samples to 1.

NOTE: We recommend that the Alarm Samples be set to 1 in the beginning and if you receive false contact point reporting, return this value back to 2 as displayed.

b. If you need to change any of the other options for your contact (Resistors values or Normally Open or Closed) make the necessary selections.

c. Once complete, click the Save and Close button. You will be returned to System Manager.

- Once you are back in System Manager, if you expand your hardware map and click the + sign under your SRCNX-16 controller, you will see your defined contact. Your window should look similar to the one below.



- Your contact definition is finished. Repeat the instructions for any additional contacts then move on to the next step to program relays.
- Program a relay -- As far as programming Relays are concerned it is the same process as programming a contact. The only difference is that instead of choosing an input number (step 11 above) you will choose a relay number. Remember you MUST only program relays on relay numbers 1 through 8. If you program a relay as relay 9, the relay will not function.

SRCNX-R2

The SRCNX-R2 will be defined as an SRCNX-16 with expansion. The SRCNX-R2 can support up to 16 contacts and 16 relays. It can support up to 8 devices of the same protocol per channel and has two channels (channel 2 and channel 3) for a total of 16 devices. F-series and SMS protocol devices cannot be put on the *same channel*. Channel 2 can have either F-series OR SMS protocol devices while **Channel 3 can ONLY have SMS protocol devices**.

The SRCNX-R2 consists of an SRCNX-R with two SIONX-8 controller wired to Channel 3 ***jumpered as physical address 15 for the first SIONX-8 and address 16 for the second SIONX-8***. In the SMS software there is NO NEED to program either of the SIONX-8 boards as the SRCNX-R2 is treated as an SRCNX-16 Main with Expansion. The expansion version of the controllers will allow your software to work with the onboard SIONX-8 boards that have been installed on the SRCNX-R2 hardware.

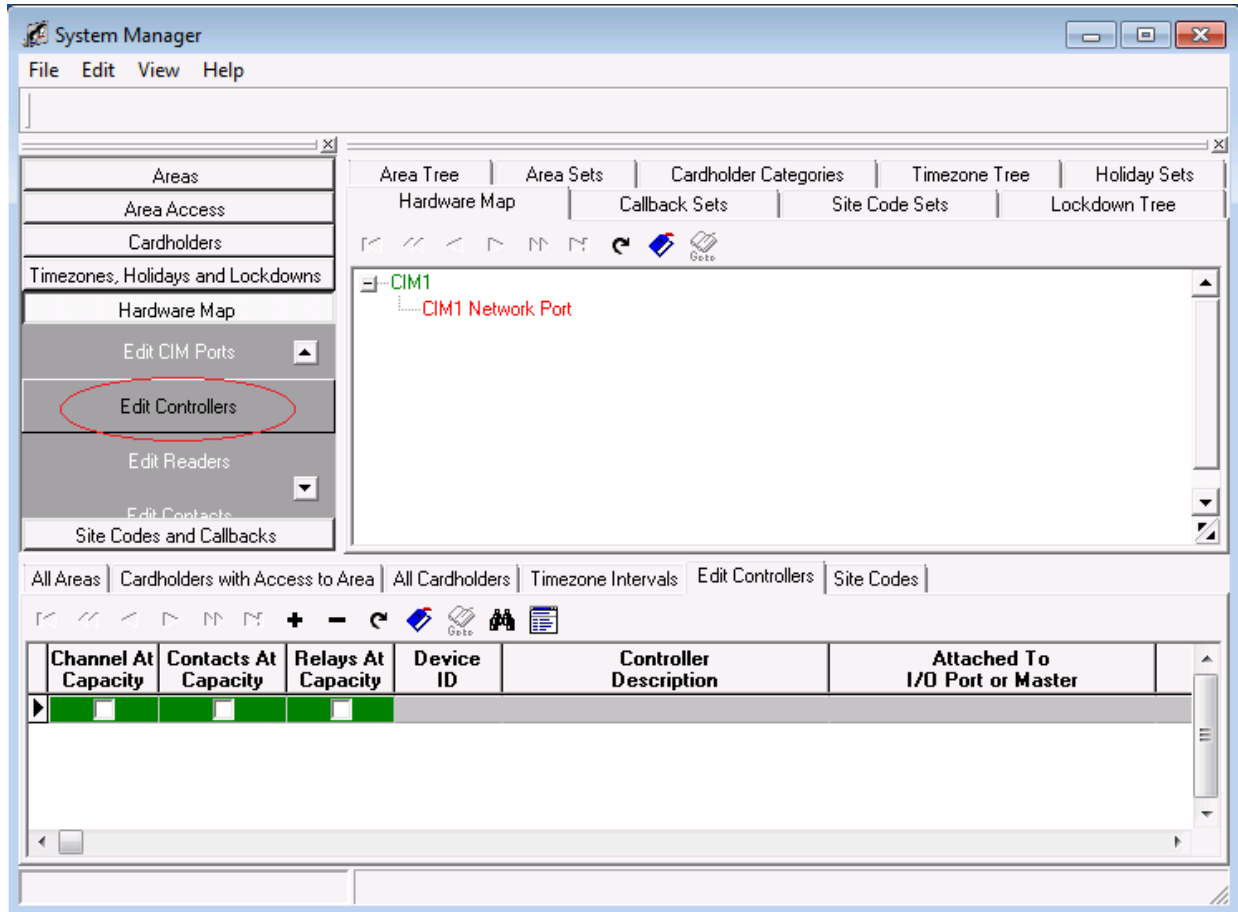
If you are using a version of SMS that has the SRCNX-16 with expansion or SRCNX-16 Main with expansion and GRCNX-16 with expansion as options, choose the SRCNX-16 with expansion or SRCNX- 16 Main with expansion.

If you have a version of SMS that only has a GRCNX-16 with expansion as an option, then choose the GRCNX-16 with expansion.

Programming a SRCNX-R2 as a Controller

Follow the instructions below to set up your SRCNX-R2 as a Controller:

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Controllers.



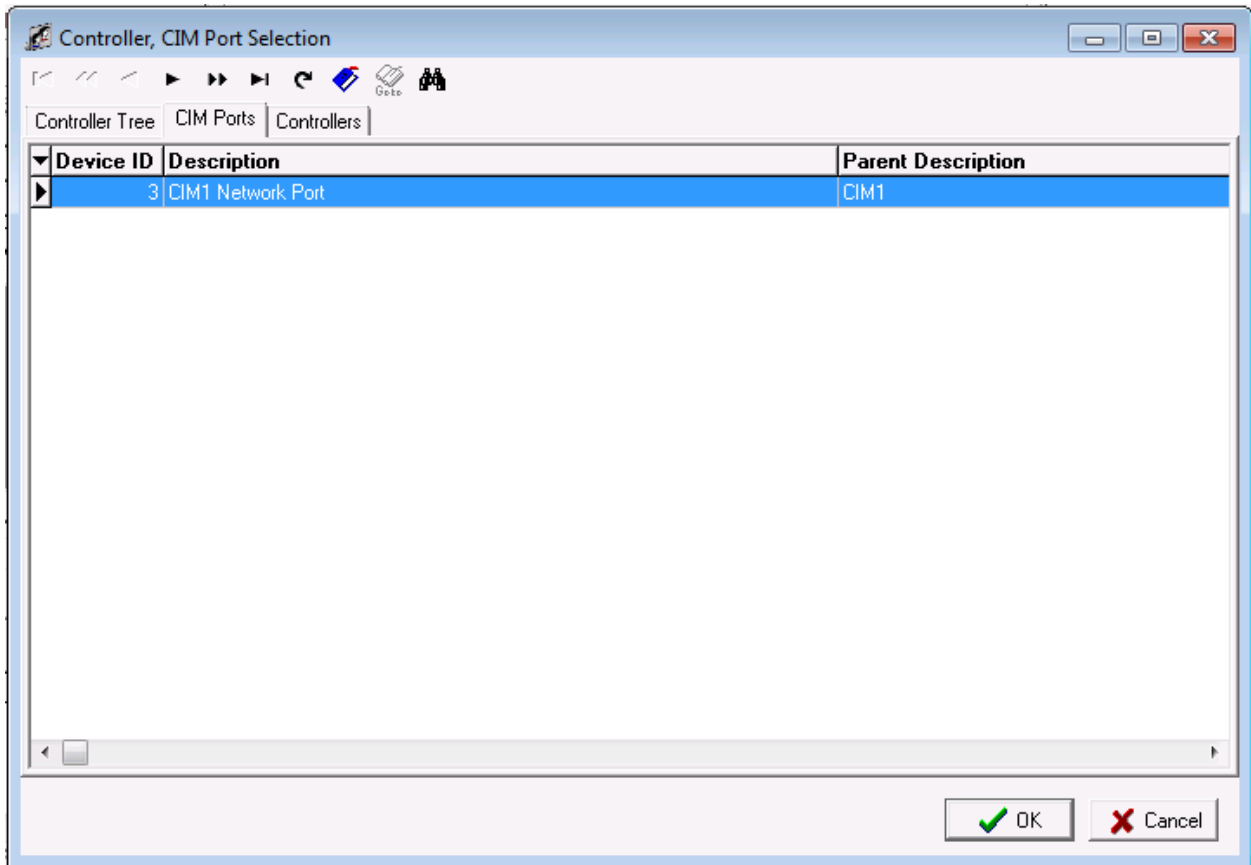
3. In the bottom section, click on the + button. This will bring up Controller Definition.

The screenshot shows the 'Controller Definition' dialog box. The title bar reads 'Controller Definition' with a close button. Below the title bar is a menu bar with 'File', 'Search', and 'Help'. The main content area is divided into several sections:

- * Description:** A text box containing 'Defining an SRCNX16 Main w/expansion as an SRCNX-R2'.
- Notes:** An empty text box.
- * Attached To I/O Port or Master:** An empty text box with a dropdown arrow.
- Location:** A dropdown menu showing 'Off Site'.
- * Controller Model:** An empty text box with a dropdown arrow.
- Callback Set:** A dropdown menu showing 'No callback numbers'.
- Site Code Set:** A dropdown menu showing 'No defined site codes'.
- Holiday Set:** A dropdown menu showing 'No defined holidays'.
- * Locale Timezone:** A dropdown menu showing '(GMT-05:00) Eastern Time (US & Canada)'.
- IP Address or Host Name:** An empty text box.
- IP Port Number:** A text box with '3001' and a dropdown arrow, next to an 'Encrypted' checkbox.
- Phone Number:** An empty text box.
- Master Channel:** A dropdown menu showing 'N/A'.
- Board Address:** A dropdown menu showing 'N/A'.
- Schedule Timezone:** A dropdown menu showing 'Never'.
- Network Device Type:** An empty text box with a dropdown arrow.
- Administrative Level Password:** An empty text box.
- Access Level Password:** An empty text box.
- Domain Suffix:** An empty text box.

At the bottom of the dialog, there are two checkboxes: 'Installed' (checked) and 'Reinstall All Devices' (unchecked). The footer bar contains three buttons: 'Save and Close', 'Save and New', and 'Close'.

4. In your controller definition, give your controller a description.
 - You may want to include the new version controller type: **SRCNX-R2** in the description or in the notes to help you designate that this controller is the new style.
5. Next, we are assuming you already have a CIM and Networked CIM Port defined. You will attach the SRCNX-R to this CIM Port.
 - a. Click in the field called: "Attached to I/O Port or Master". The Controller, CIM Port Selection window will open.



- b. Click the "CIM Ports" tab and select the CIM port you want to attach your Controller to. (Above example is using the CIM Port: **CIM1 Network Port**)
- c. Click OK. The window will close and return you to the Controller Definition window.

6. When complete you controller definition window should look similar to the one below.

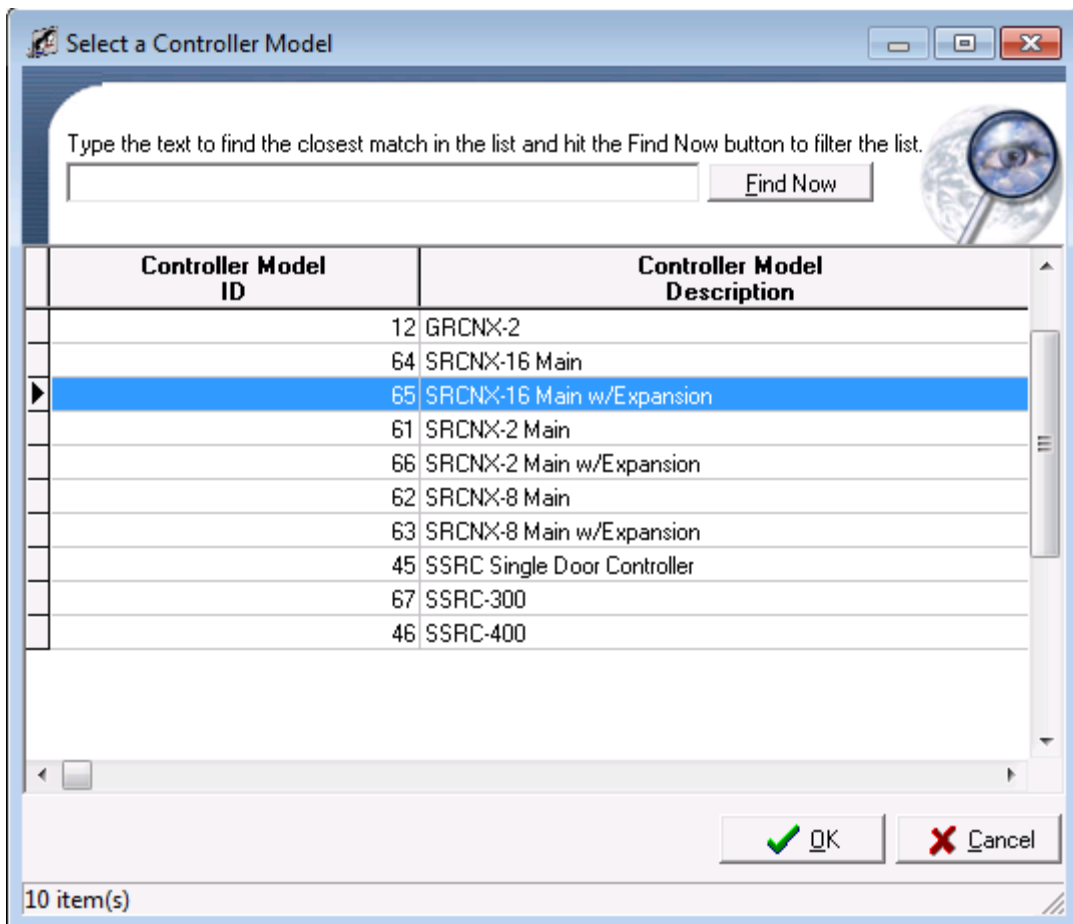
The screenshot shows a window titled "Controller Definition" with a menu bar containing "File", "Search", and "Help". The main area contains several configuration sections:

- * Description:** A text field containing "Defining an SRCNX16 Main w/expansion as an SRCNX-R2".
- Notes:** An empty text area with scrollbars.
- * Attached To I/O Port or Master:** A dropdown menu showing "DIM1 Network Port".
- Location:** A dropdown menu showing "Off Site".
- * Controller Model:** An empty dropdown menu.
- Callback Set:** A dropdown menu showing "No callback numbers".
- Site Code Set:** A dropdown menu showing "No defined site codes".
- Holiday Set:** A dropdown menu showing "No defined holidays".
- * Locale Timezone:** A dropdown menu showing "(GMT-05:00) Eastern Time (US & Canada)".
- IP Address or Host Name:** An empty text field.
- IP Port Number:** A text field showing "3001" with a refresh icon and an "Encrypted" checkbox.
- Phone Number:** An empty text field.
- Master Channel:** A dropdown menu showing "N/A".
- Board Address:** A dropdown menu showing "N/A".
- Schedule Timezone:** A dropdown menu showing "Never" with a checkbox.
- Network Device Type:** A dropdown menu showing "<Click to Expand>".
- Administrative Level Password:** An empty text field.
- Access Level Password:** An empty text field.
- Domain Suffix:** An empty text field.
- Installed:** A checked checkbox.
- Reinstall All Devices:** An unchecked checkbox.

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

7. Next, choose the Location of the board, by clicking in the field that says "Location".
- Select your location from the list shown.
 - Click the OK button.

8. Next, click in the field that says "Controller Model". This will bring up a hardware list showing you all the types of controllers that can be selected. However, because the SRCNX-R2 is not in the list, we can use the existing hardware selections to setup the SRCNX-R2 properly.
 - a. In the list, select the controller that says: "SRCNX-16 Main w/Expansion" (You may also have the GRCNX-16 w/expansion controller for one of you choices, that option is acceptable).
 - b. Click the OK button.



9. Once you have selected your controller, your Controller Definition window should have the same controller model shown in the example below.

The screenshot shows the "Controller Definition" window with the following fields and values:

- * Description:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main w/Expansion
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** (Empty)
- IP Port Number:** 3001
- Encrypted:**
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** Never
- Network Device Type:** <Click to Expand>
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed:**
- Reinstall All Devices:**

Buttons at the bottom: Save and Close, Save and New, Close.

10. You can ignore the "Callback Set" field set as this is for dialup controller.
11. For the "Site Code Field", click in the field and select your predefined Side Code Set, if you have setup this option previously.
12. For the "Holiday Set" field, click in the field and select your predefined Holiday Set, if you have setup this option previously.

13. For the “Local Timezone” Field, Click in the field and select the Time Zone this controller is or will be located in. In the above example Eastern Standard Time was chosen.
14. In the “IP address or Host Name” field, type in the IP address of your controller. Your controller’s IP configuration should have been setup before hand.
 - a. In the below image, the controller’s IP address is: 10. 45.50.155. Your controller definition should look similar to the example below though your IP address will be different.

The screenshot shows a 'Controller Definition' dialog box with the following fields and values:

- Description:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- Notes:** (Empty text area)
- Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- Controller Model:** SRCNX-16 Main w/Expansion
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** 10.45.51.155
- IP Port Number:** 3001
- Encrypted:** (Unchecked)
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** Never
- Network Device Type:** <Click to Expand>
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed:** (Checked)
- Reinstall All Devices:** (Unchecked)

Buttons at the bottom: Save and Close, Save and New, Close.

15. The “IP Port number” is the TCP Network Port that the SRCNX-R2 controller uses to communicate with the CIM across the network. Unless directed, you should not change this setting.
16. You can ignore the “Phone Number” field as this is for dial up controllers only.
17. Next, click in the “Network Device Type” field. In the selection list, choose the Schlage SPINX100 network device. Your Controller Definition should look similar to the one below.

The screenshot shows the 'Controller Definition' dialog box with the following configuration:

- * Description:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- Notes:** (Empty text area)
- * Attached To I/O Port or Master:** CIM1 Network Port
- Location:** Off Site
- * Controller Model:** SRCNX-16 Main w/Expansion
- Callback Set:** No callback numbers
- Site Code Set:** No defined site codes
- Holiday Set:** No defined holidays
- * Locale Timezone:** (GMT-05:00) Eastern Time (US & Canada)
- IP Address or Host Name:** 10.45.51.155
- IP Port Number:** 3001 (with a lock icon) Encrypted
- Phone Number:** (Empty)
- Master Channel:** N/A
- Board Address:** N/A
- Schedule Timezone:** Never
- Network Device Type:** Schlage SIPNX100
- Administrative Level Password:** (Empty)
- Access Level Password:** (Empty)
- Domain Suffix:** (Empty)
- Installed
- Reinstall All Devices

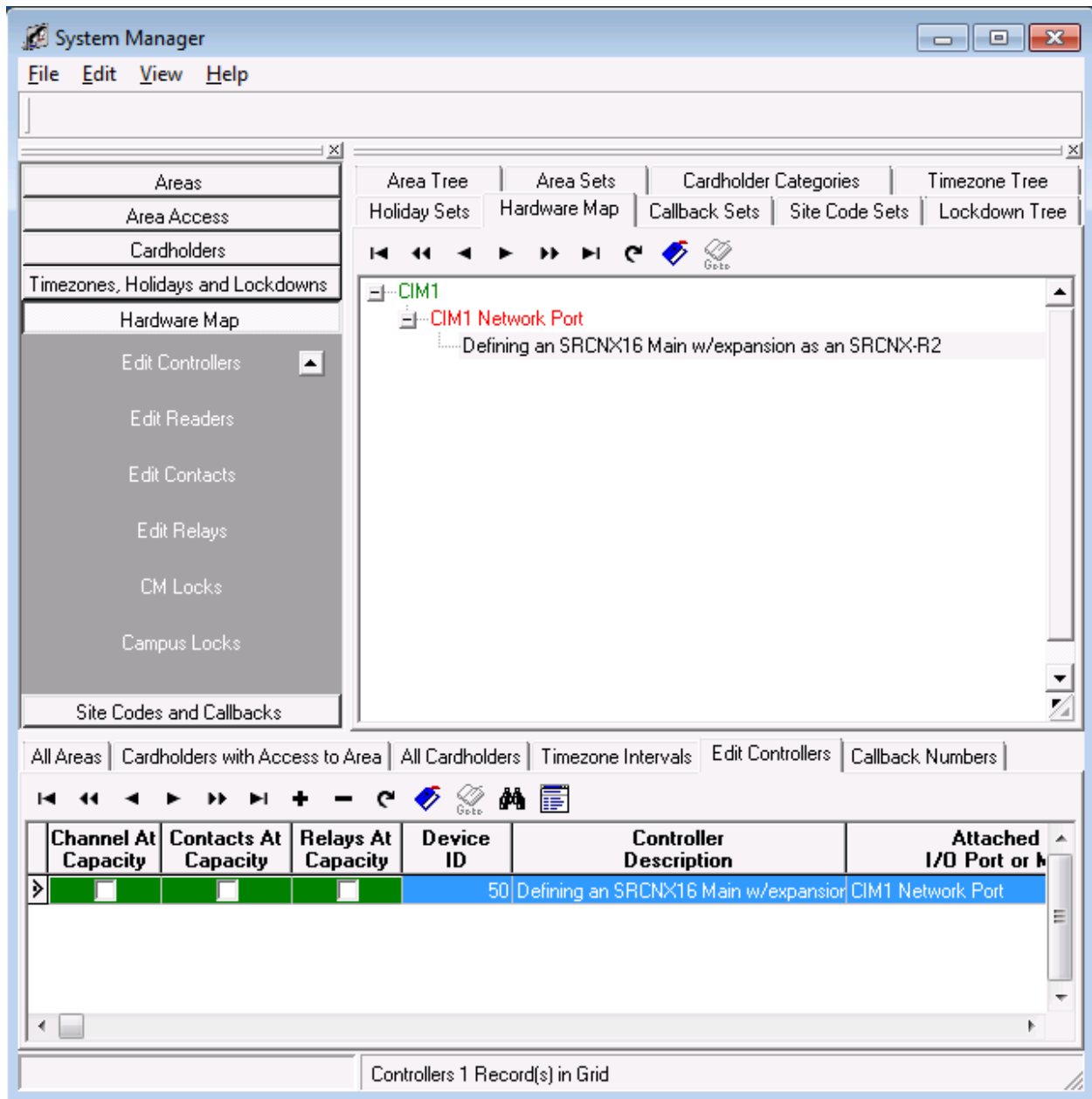
At the bottom of the dialog, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

18. Lastly, if this controller is installed, and placed on the network, make sure the “Installed” checkbox is checked. If the Panel is not physically installed on the network, you can pre-

configure your controller in SMS, and *uncheck* the Installed checkbox. This way, SMS will not be 'looking' for it until it is ready.

19. Click the Save and Close button.

20. You will now be back in the System Manager Window. If you expand the hardware map tree, your window should look similar to the one below.



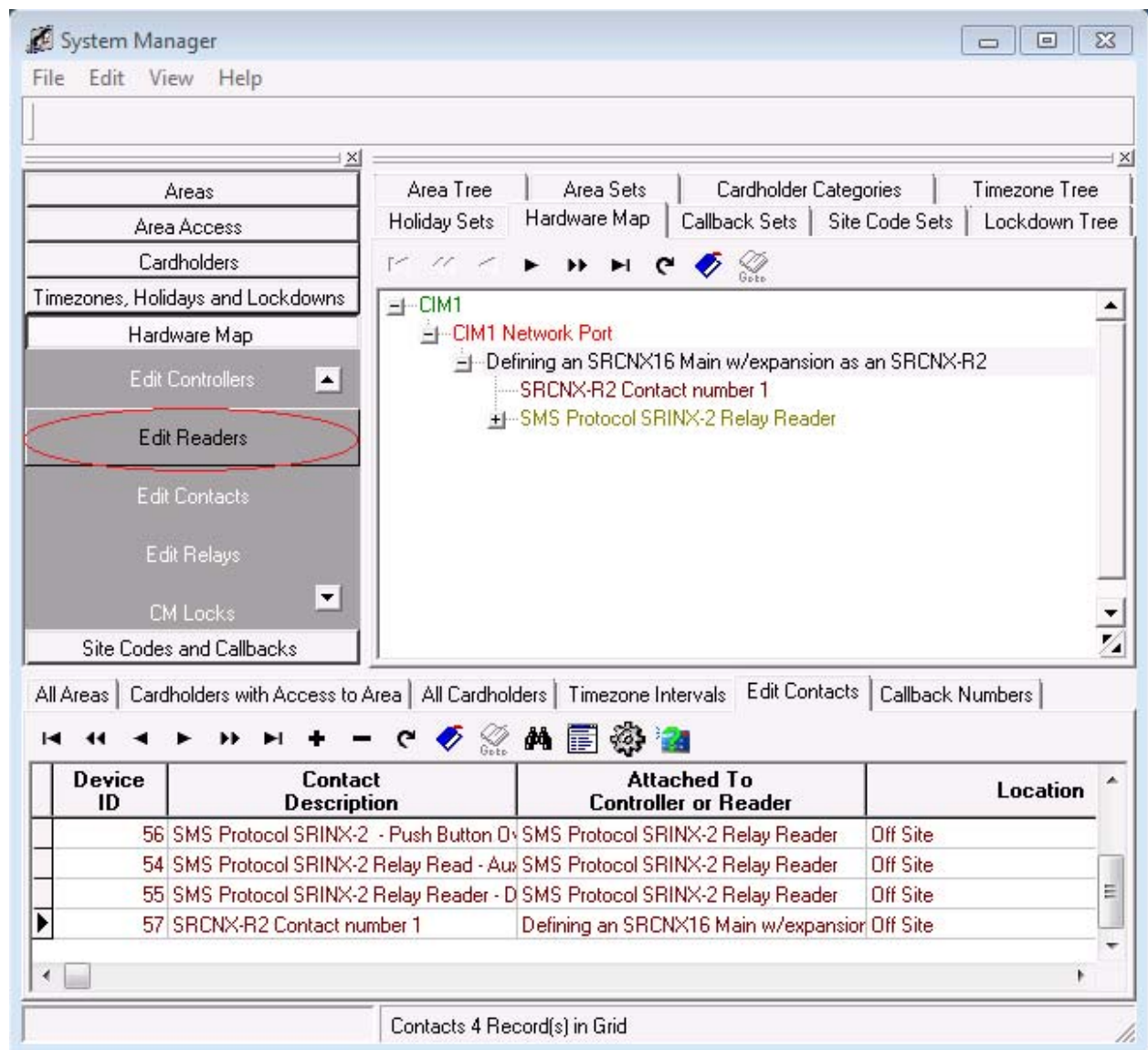
Attaching Devices to a SRCNX-R2

Now we must setup devices on the two available channels. You can setup up to 8 devices of the same protocol on channel 2 and 8 devices of SMS protocol ONLY on Channel 3. In the following pages, we will show you how to setup devices on SMS V5.3.5. Additional instructions for V5.3.4 and below will be given in **bold** text in line with the v5.3.5 instructions.

Attaching Devices to Channel 2

In the next set of instructions, continuing with this controller, we will configure an F Protocol device on Channel 2.

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Readers.



The screenshot shows the System Manager application window. The left sidebar contains a menu with 'Edit Readers' highlighted by a red oval. The main window displays a tree view for 'CIM1' with a sub-entry 'SMS Protocol SRINX-2 Relay Reader'. Below the tree is a table with 4 records.

Device ID	Contact Description	Attached To Controller or Reader	Location
56	SMS Protocol SRINX-2 - Push Button D	SMS Protocol SRINX-2 Relay Reader	Off Site
54	SMS Protocol SRINX-2 Relay Read - Aux	SMS Protocol SRINX-2 Relay Reader	Off Site
55	SMS Protocol SRINX-2 Relay Reader - D	SMS Protocol SRINX-2 Relay Reader	Off Site
57	SRCNX-R2 Contact number 1	Defining an SRCNX16 Main w/expansior	Off Site

Contacts 4 Record(s) in Grid

- Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

* Description
AD300MS F-Protocol Reader

Notes

* Attached To

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes)
0

Channel Number
3

Reader Address
1

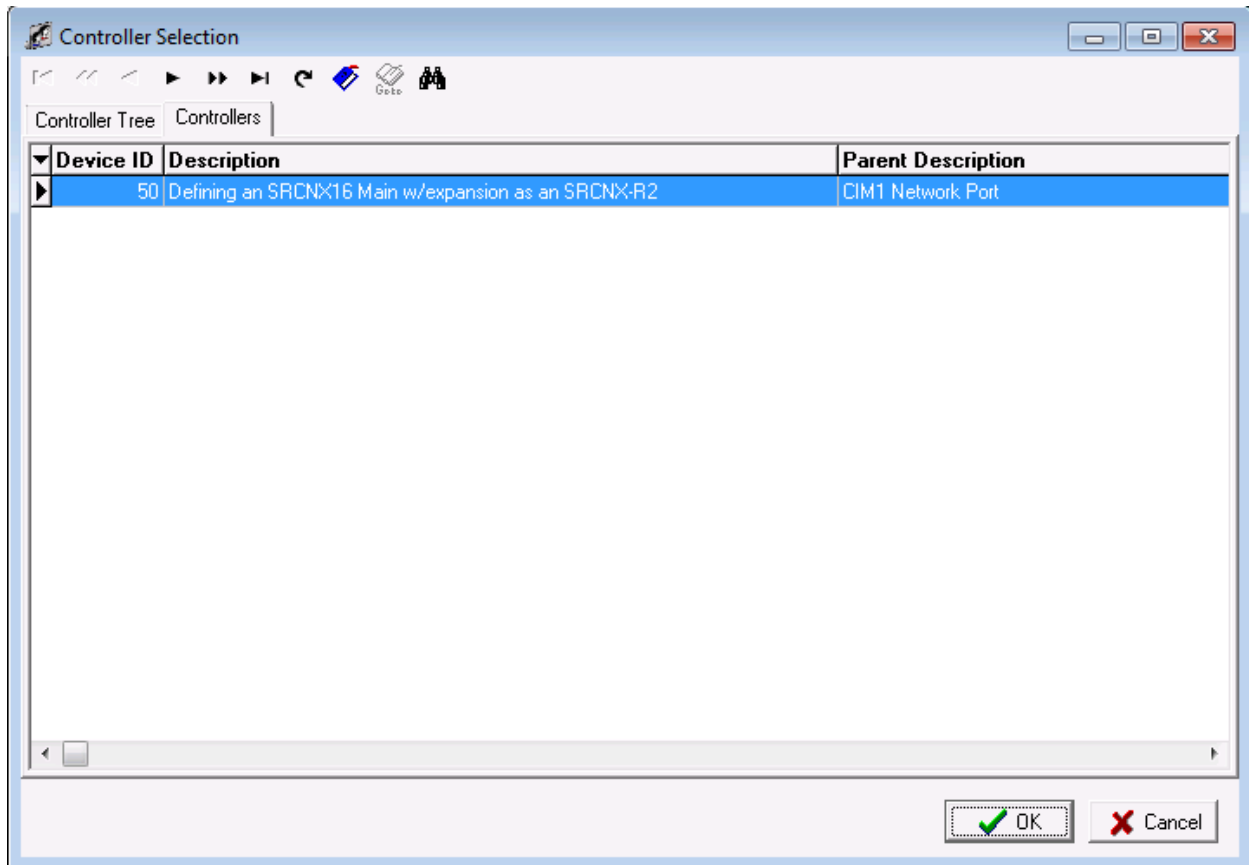
Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

- Give your Reader definition a description.

5. Next we need to attach the reader to a controller. Click in the field “Attach To”, the Controller Selection window will open.



- a. Select the controller you created earlier and then click the OK button. You will be returned to the Reader definition window.

6. Your Reader Definition should look similar to the one below.

* Description
AD300MS F-Proccol Reader

Notes

* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes) Channel Number Reader Address
0 3 1

Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

7. Next, we need to associate the reader with an area. Please click in the field “Provides Access to Area”, choose the area you want to install the reader into and then click the OK button.

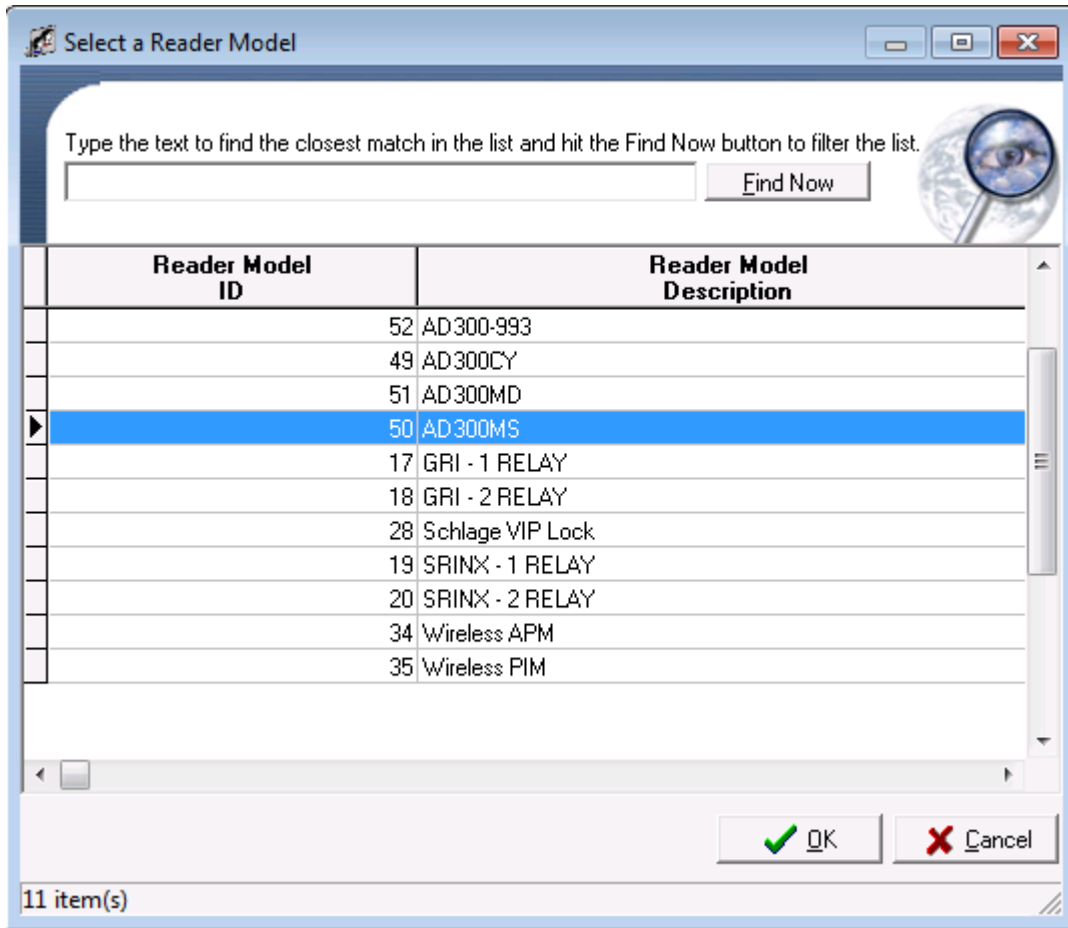
8. For this example the default Off Site Area was chosen. Your Reader Definition window should look similar to the example below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The main area contains several configuration sections:

- * Description:** A text field containing "AD300MS F-Protocol Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an SRCNX16 Main w/expansion as an SRCNX-R2".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** An empty dropdown menu.
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "3".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom, there is a toolbar with icons for help, settings, and three buttons: "Save and Close", "Save and New", and "Close".

9. Next, click in the field “Reader Model” and choose a F-series Protocol Device. In this example, I chose the AD300MS model.



10. After your selection, your Reader Definition Window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains several configuration fields:

- * Description:** A text box containing "AD300MS F-Protocol Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an SRCNX16 Main w/expansion as an SRCNX-R2".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** A dropdown menu showing "AD300MS".
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "3".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

11. Because there is no AD Series locks in SMS Versions below 5.3.5, you would need to choose a VIP lock instead to support the AD Series.

The screenshot shows the "Reader Definition" dialog box with the following fields and options:

- * Description:** AD300 Series Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an RCNX16 as an SCRNX-R0
- * Provides Access To Area:** Off Site
- * Reader Model:** Schlage VIP Lock
- * Reader Type:** <Click to Expand>
- * Door Type:** <Click to Expand>
- Antipassback Time (Minutes):** 0
- Channel Number:** 1
- Reader Address:** 1
- Reader Template:** No Device
- Checkboxes:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom, there are three buttons: "Save and Close", "Save and New", and "Close".

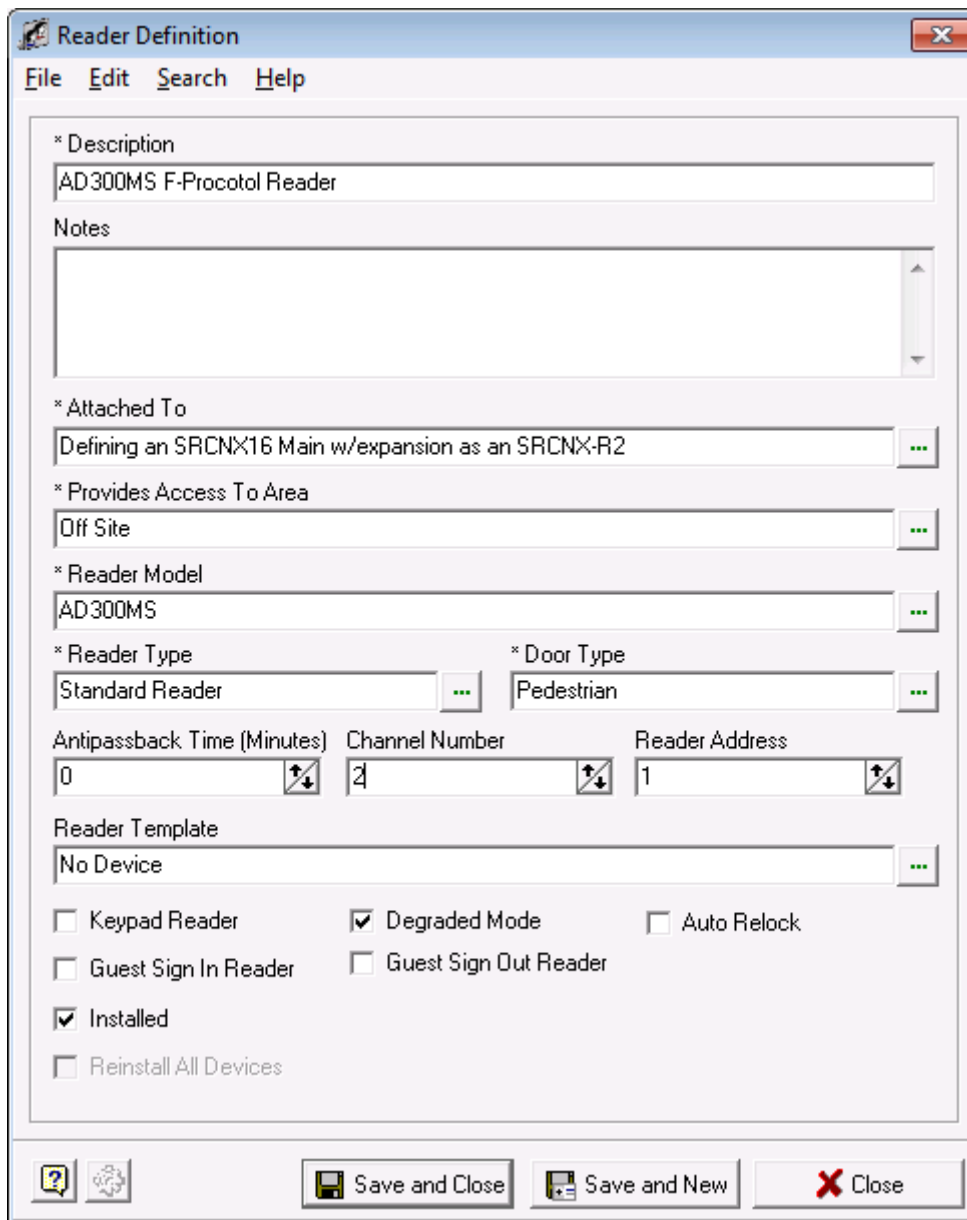
12. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the reader and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains several configuration sections:

- * Description:** A text field containing "AD300MS F-Procotol Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an SRCNX16 Main w/expansion as an SRCNX-R2".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** A dropdown menu showing "AD300MS".
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "3".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

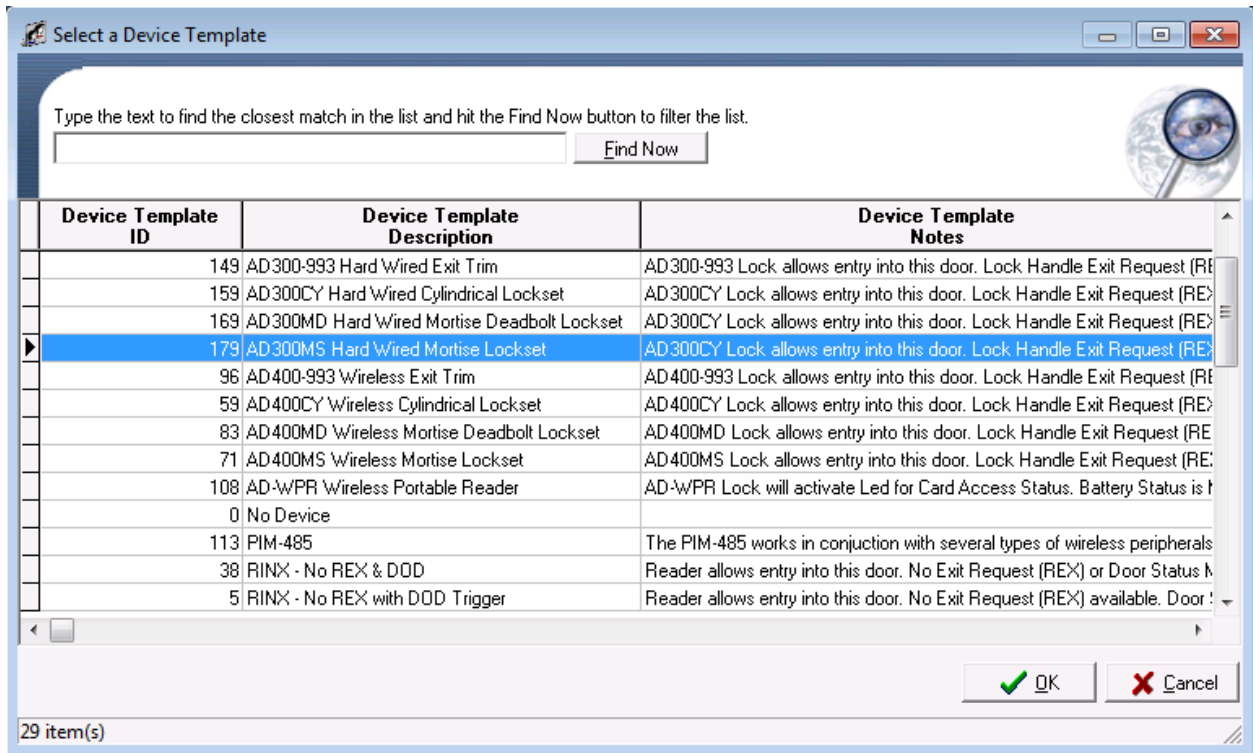
13. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 for F or SMS protocol devices or 3 for *ONLY* SMS protocol devices. In our example we are using Channel 2 using *ONLY* F protocol and like devices as you cannot mix different protocol and device types on a single channel.
14. In this example, this is the first reader on Channel 2 so we will assign Channel 2 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 2, Reader Address 2 and so on.
15. Your Reader Definition Window should look similar to the one below.



16. Next, we need to choose a reader template. You have the option of not choosing a template, however, we highly recommend you do as the reader templates will setup all the relays, contacts, etc. automatically for you for the reader you selected.

17. Click in the field that says “Reader Template”. This will bring up the Device Template window.

- a. Choose a device template and click the OK button. In this example the AD300MS Hard Wired Mortis Lock Set was chosen.



18. When complete, your Reader Definition should look like the example below.

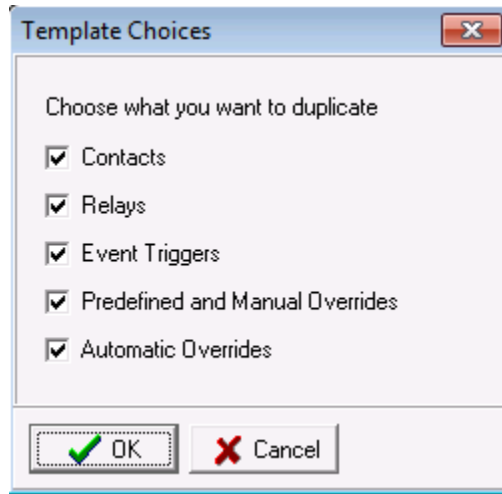
The screenshot shows a 'Reader Definition' dialog box with the following configuration:

- * Description:** AD300MS F-Protocol Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- * Provides Access To Area:** Off Site
- * Reader Model:** AD300MS
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 2
- Reader Address:** 1
- Reader Template:** AD300MS Hard Wired Mortise Lockset
- Checkboxes:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

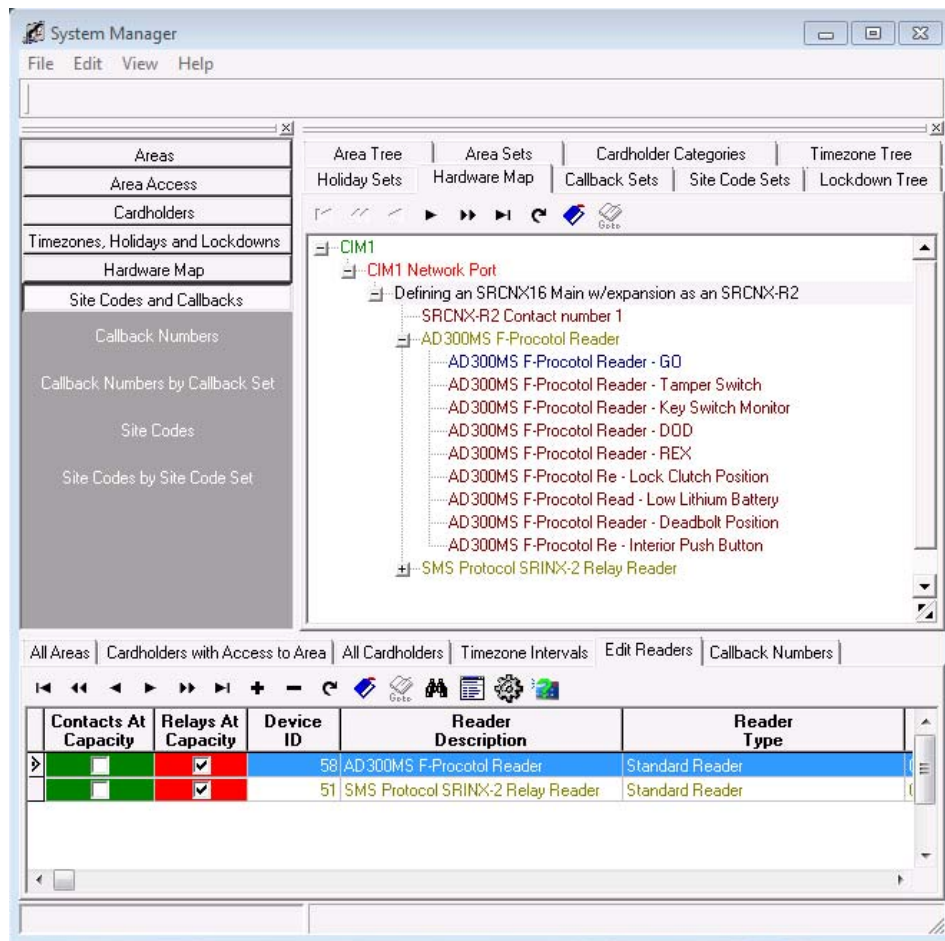
At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

19. You can also make additional choices by checking off the check boxes should you need or decide to.

20. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
- In 99% of the case, you will use the default values. Click the OK button and your Reader Definition is complete.



21. You will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

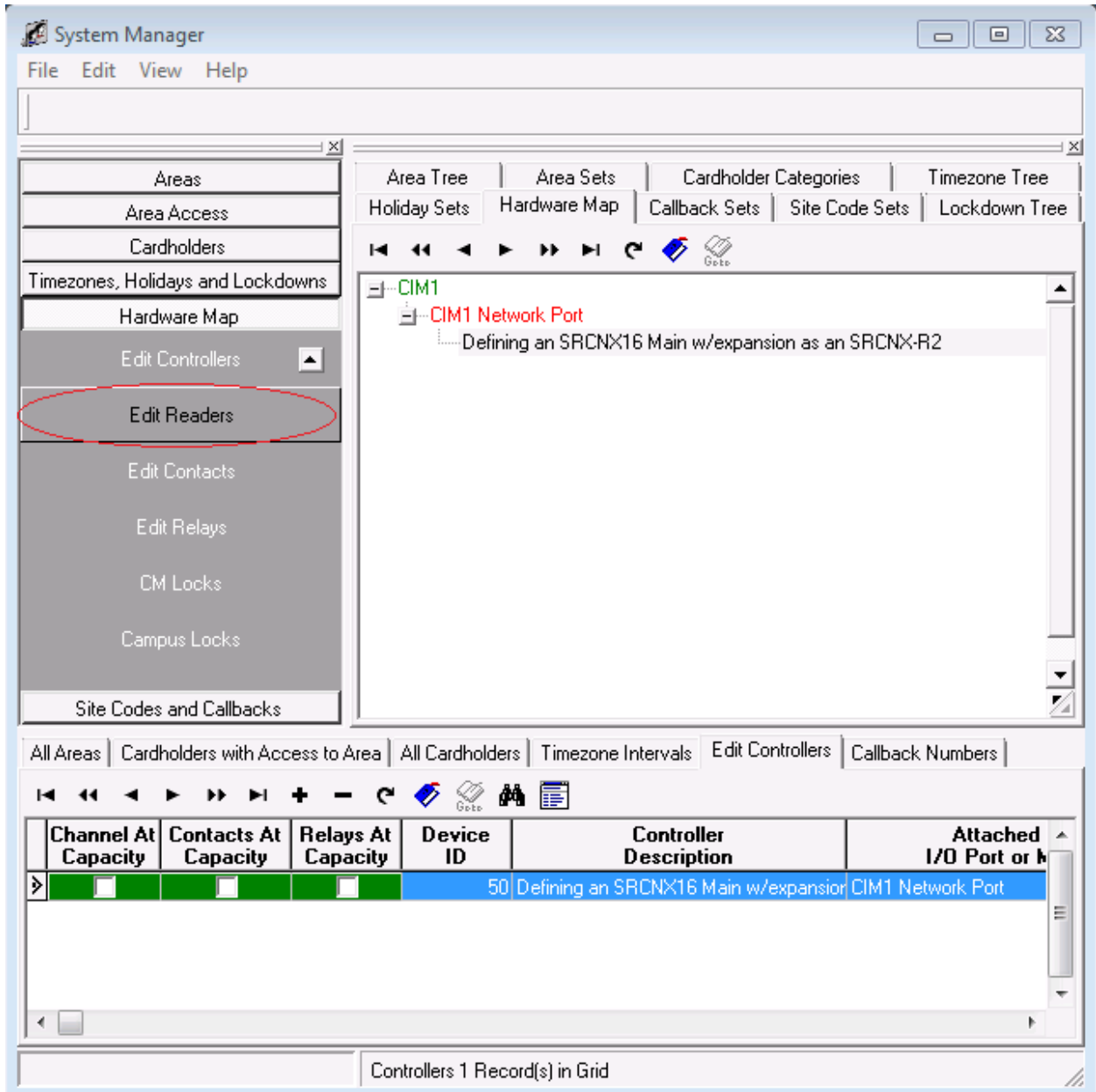


Attaching Devices to Channel 3

Now we will setup an SMS Protocol device on the second channel, channel 3. Remember that the SRCNX-R2 can ONLY have SMS Protocol devices attached to Channel 3.

In this example, we'll be setting up an SMS Protocol device, SRINX – 2 Relay Reader on Channel 3.

1. To start, Launch and log into SMS and start System Manager.
2. Select Hardware Map, and click on Edit Readers.



- Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

* Description
SMS Protocol SRINX-2 Relay Reader

Notes

* Attached To

* Provides Access To Area
Off Site

* Reader Model

* Reader Type
Standard Reader

* Door Type
Pedestrian

Antipassback Time (Minutes) Channel Number Reader Address
0 1 1

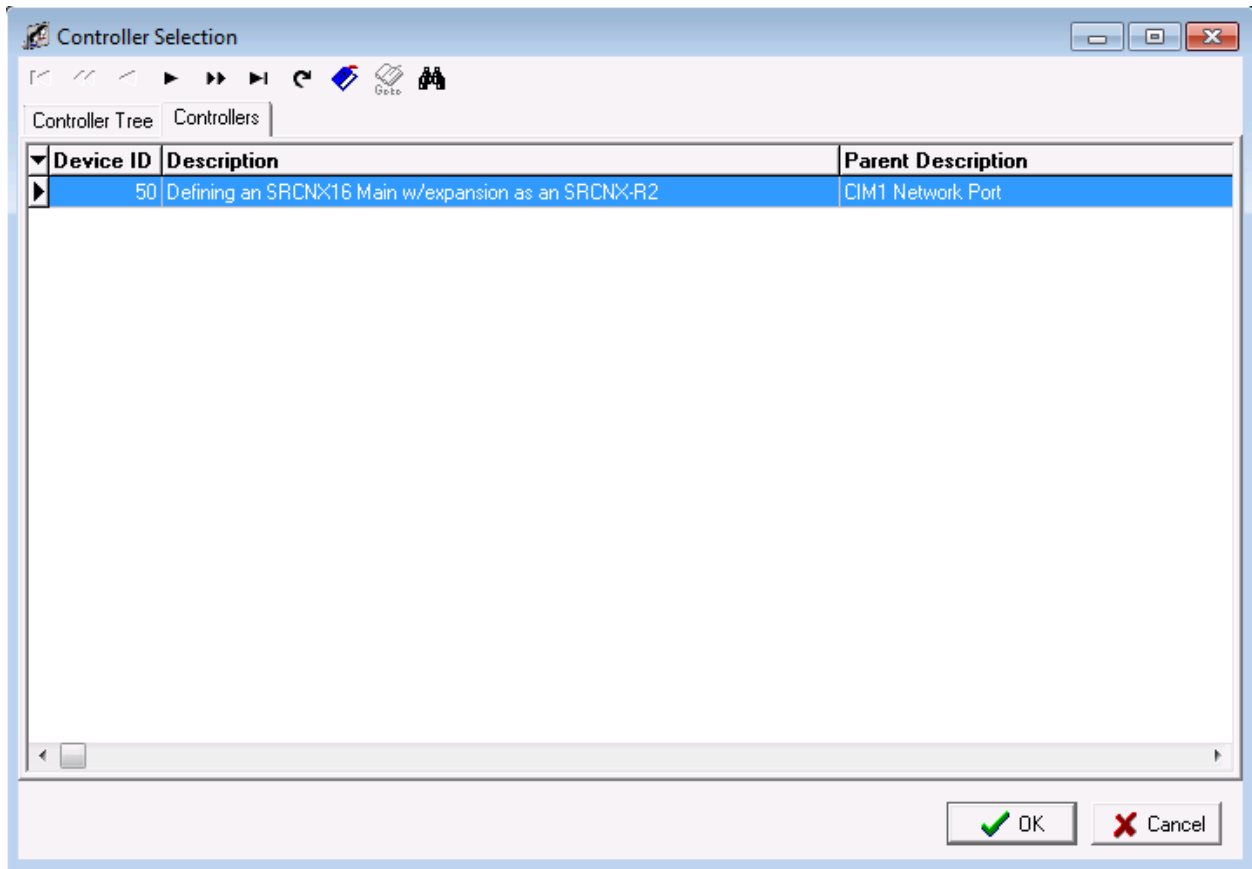
Reader Template
No Device

Keypad Reader Degraded Mode Auto Relock
 Guest Sign In Reader Guest Sign Out Reader
 Installed
 Reinstall All Devices

Save and Close Save and New Close

- Give your Reader definition a description.

5. Next we need to attach the reader to the controller. Click in the field “Attach To” the Controller Selection window will open.



- a. Select the controller you created earlier.
- b. Click the OK button. The Controller Selection window will close and return you to the Reader Definition window.

6. Your Reader Definition should look similar to the one below.

The screenshot shows a 'Reader Definition' dialog box with the following fields and options:

- * Description: SMS Protocol SRINX-2 Relay Reader
- Notes: (Empty text area)
- * Attached To: Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- * Provides Access To Area: Off Site
- * Reader Model: (Empty)
- * Reader Type: Standard Reader
- * Door Type: Pedestrian
- Antipassback Time (Minutes): 0
- Channel Number: 2
- Reader Address: 1
- Reader Template: No Device
- Keypad Reader:
- Guest Sign In Reader:
- Installed:
- Reinstall All Devices:
- Degraded Mode:
- Auto Relock:
- Guest Sign Out Reader:

Buttons at the bottom: Save and Close, Save and New, Close.

7. Next, you need to associate the reader with an area. Click in the field “Provides Access to Area”: a list of areas will open.

- a. Choose the area you want to install the reader into.
- b. Click the OK button.

8. In this example, the default Off Site Area was chosen . Your Reader Definition window should look similar to the example below.

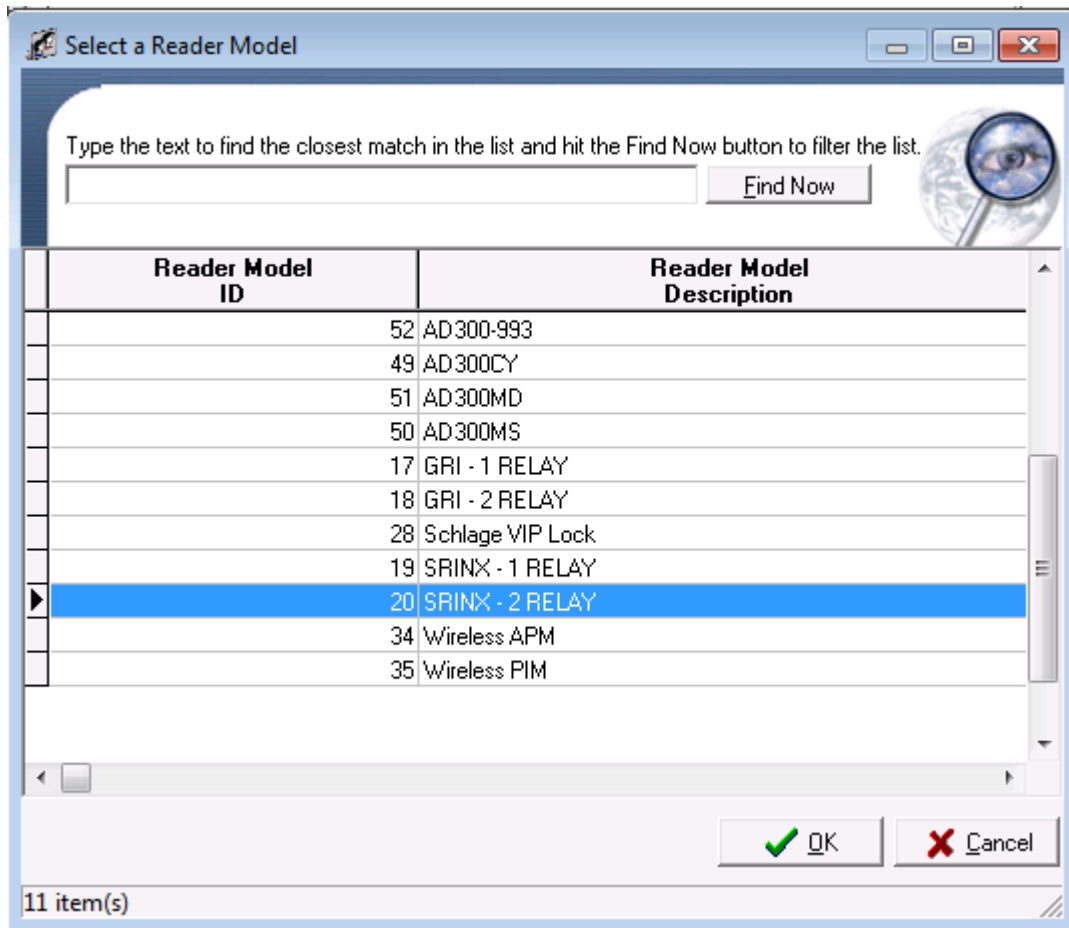
The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The main content area is divided into several sections:

- * Description:** A text field containing "SMS Protocol SRINX-2 Relay Reader".
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** A dropdown menu showing "Defining an SRCNX16 Main w/expansion as an SRCNX-R2".
- * Provides Access To Area:** A dropdown menu showing "Off Site".
- * Reader Model:** An empty dropdown menu.
- * Reader Type:** A dropdown menu showing "Standard Reader".
- * Door Type:** A dropdown menu showing "Pedestrian".
- Antipassback Time (Minutes):** A spinner box set to "0".
- Channel Number:** A spinner box set to "2".
- Reader Address:** A spinner box set to "1".
- Reader Template:** A dropdown menu showing "No Device".
- Options:** A group of checkboxes including:
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

Note: When you opened the Reader Definition window the Area already had a value. If you have configured a reader before, this field as well as some others (channel number, reader address, etc .) is remembered from your last selection. If the options from the previous reader are valid for the new reader, those values do not need to be altered.

9. Next, click in the field “Reader Model” and choose an SMS Protocol Device. In this example the SRINX – 2 Relay Reader was chosen.



10. After your selection, your Reader Definition Window should look similar to the one below.

The screenshot shows a software window titled "Reader Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains the following fields and controls:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** An empty text area with a vertical scrollbar.
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 2
- Reader Address:** 1
- Reader Template:** No Device
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

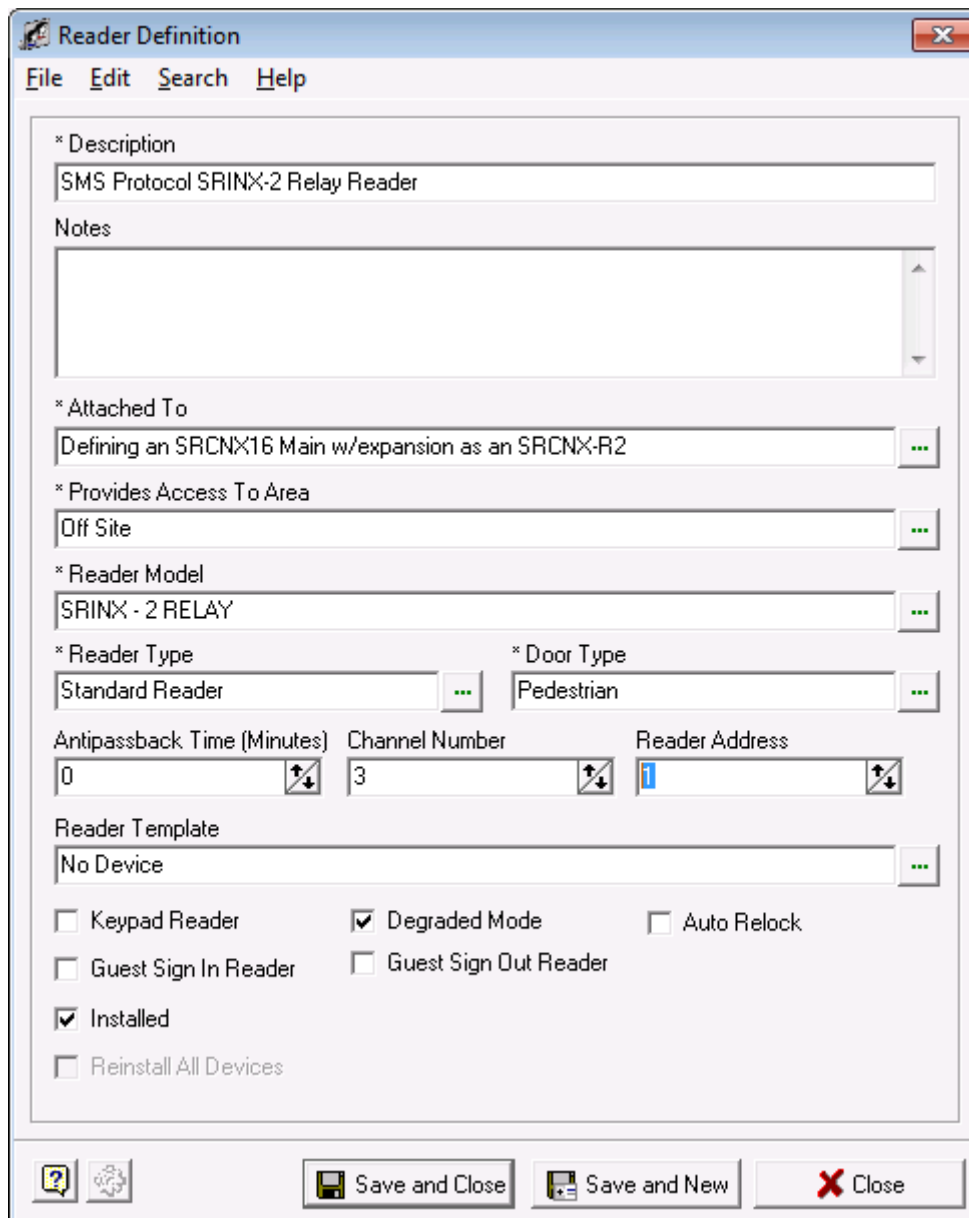
11. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

The screenshot shows the 'Reader Definition' window with the following configuration:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 2
- Reader Address:** 1
- Reader Template:** No Device
- Options:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

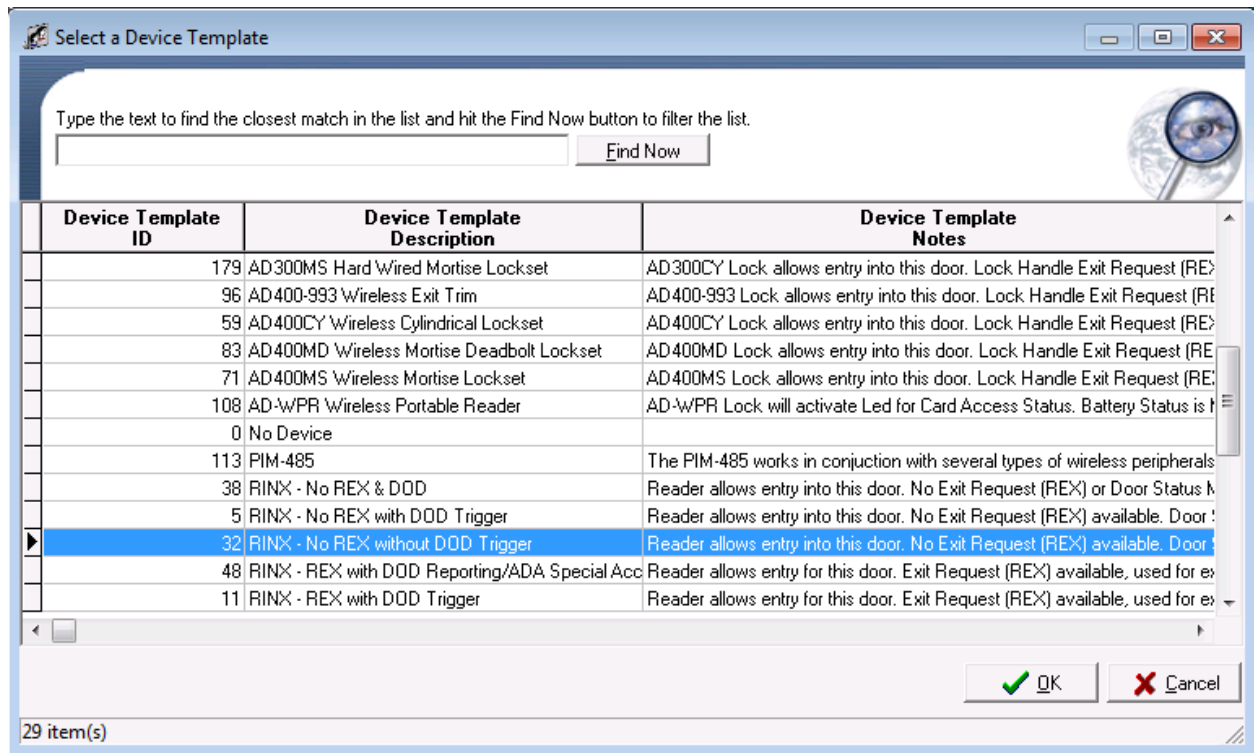
At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

12. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. In our example we are using Channel 3 using ONLY SMS protocol and like devices as you can only have SMS Protocol devices on channel 3.
 - a. This is the first reader so we will assign Channel 3 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 3, Reader Address 2 and so on.
13. Your Reader Definition Window should look similar to the one below.



14. Next, you need to choose a reader template. You have the option of not choosing a template, however, it is highly recommend that you do as the reader templates will setup all the relays, contacts, etc. automatically for the reader you selected.

15. Click in the field that says “Reader Template” This will bring up a list of template to choose from.



- a. Select a reader Template. In this example, the RINX – No REX without DOD Trigger template was chosen
- b. Click the OK button. The window will close.

16. When complete, your Reader Definition should look like the example below.

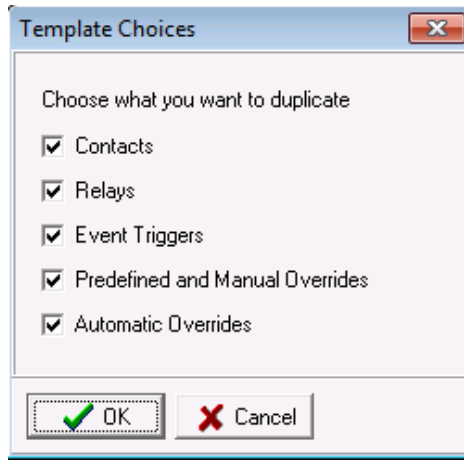
The screenshot shows a 'Reader Definition' dialog box with the following fields and options:

- * Description:** SMS Protocol SRINX-2 Relay Reader
- Notes:** (Empty text area)
- * Attached To:** Defining an SRCNX16 Main w/expansion as an SRCNX-R2
- * Provides Access To Area:** Off Site
- * Reader Model:** SRINX - 2 RELAY
- * Reader Type:** Standard Reader
- * Door Type:** Pedestrian
- Antipassback Time (Minutes):** 0
- Channel Number:** 3
- Reader Address:** 1
- Reader Template:** RINX - No REX without DOD Trigger
- Checkboxes:**
 - Keypad Reader
 - Degraded Mode
 - Auto Relock
 - Guest Sign In Reader
 - Guest Sign Out Reader
 - Installed
 - Reinstall All Devices

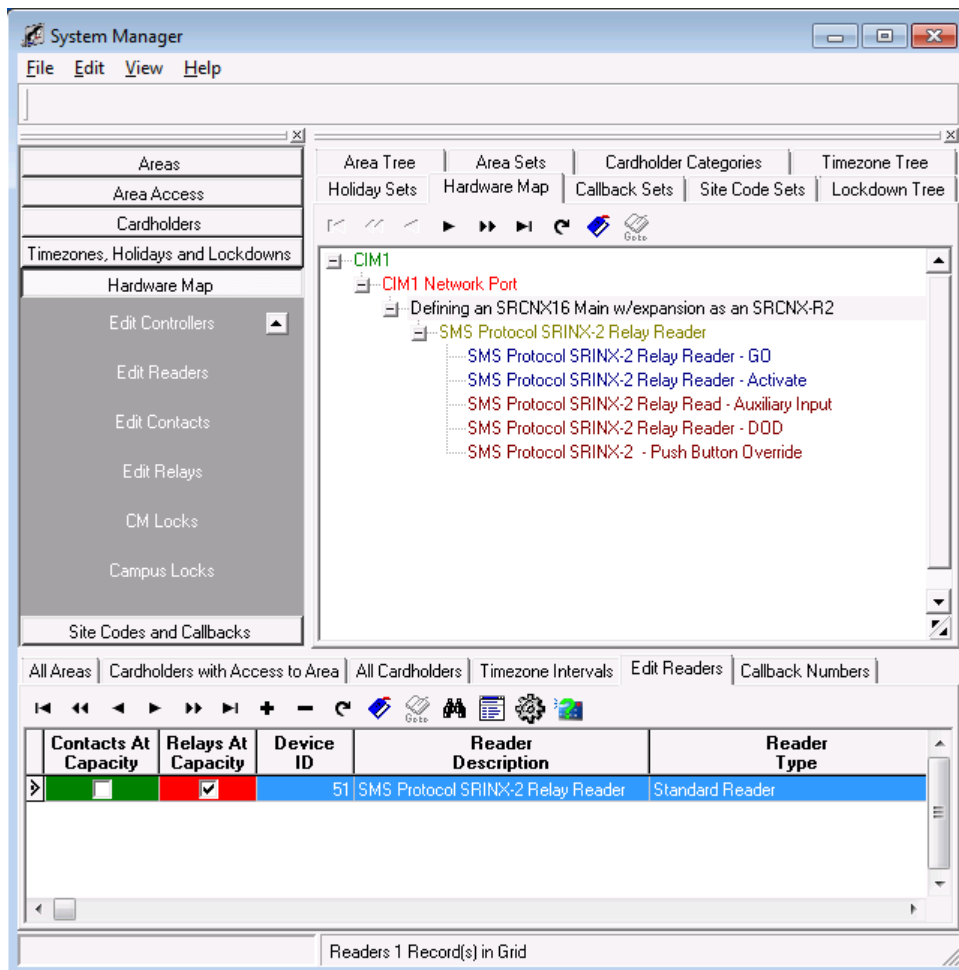
At the bottom, there are three buttons: 'Save and Close', 'Save and New', and 'Close'.

17. You can also make additional choices by checking off the check boxes should you need or decide to.

18. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
- In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.



19. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.



Programming Contacts and Relays

An SRCNX-R2 can have up to 16 Contacts and 16 Relays. However, because we're using the SRCNX with Expansion controller setting to mimic a SRCNX-R2, the system will allow you to program only 16 contacts and **14 relays**.

Follow the instructions below to set up a contact and relay.

1. To start Launch System Manager.
2. Select Hardware Map, and click on Edit Contacts.

The screenshot shows the System Manager application window. The left sidebar has 'Hardware Map' selected, and 'Edit Contacts' is highlighted. The main pane shows a tree view under 'CIM1' with 'CIM1 Network Port' expanded to show 'Defining an SRCNX16 Main w/expansion as an SRCNX-R2', which includes an 'SMS Protocol SRINX-2 Relay Reader' with several sub-items. At the bottom, a table displays the configuration for this reader.

Contacts At Capacity	Relays At Capacity	Device ID	Reader Description	Reader Type
<input type="checkbox"/>	<input checked="" type="checkbox"/>	51	SMS Protocol SRINX-2 Relay Reader	Standard Reader

Readers 1 Record(s) in Grid

3. In the bottom section, click on the + button . This will bring up you Contact Definition form

* Description
SRCNX-R2 Contact number 1

Notes

* Attached to Which Controller or Reader ...

* Location
Off Site ...

* Contact Type
Interior Push Button ...

* Associated Elevator Reader

Alarm Samples: 2

Fault Samples: 16

Parallel Resistor: 0

Series Resistor: 0

Debounce Period (Seconds): 0

Input Number: 1

Verify Status

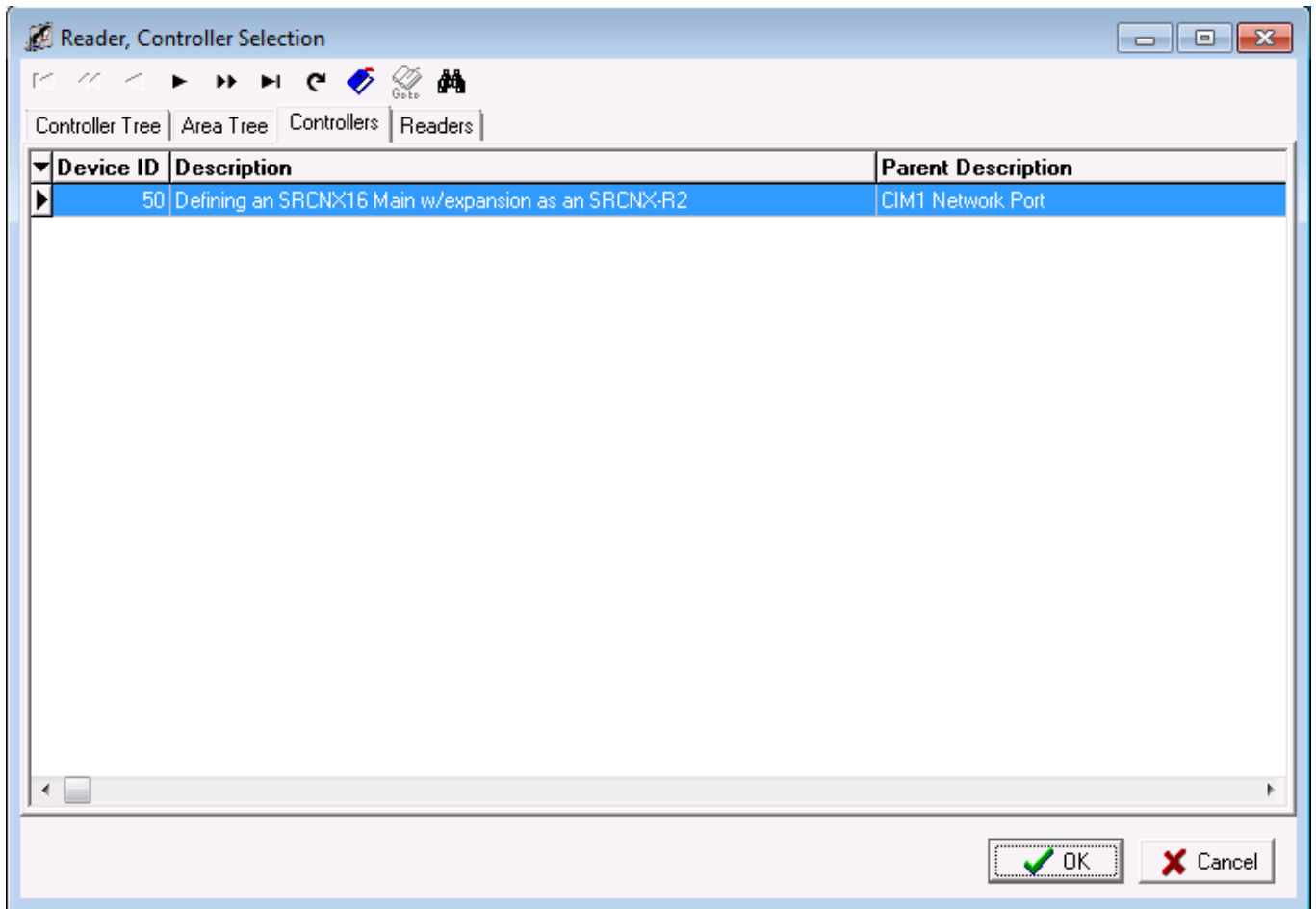
Normally Open

Installed

Save and Close Save and New Close

4. In your Contact definition, give your Contact a description. (We recommend your description describes something about the new hardware so when looking at it later you can differentiate that this is the new version of controller.) In this example the contact description is: SRCNX-R2 Contact

5. Next we need to attach the contact to your controller. Click in the field called “Attached to Which Controller or Reader”. This will bring up the Reader, Controller Selection window.
 - a. Click on the Controller Tab.



- b. Select the previously defined controller and click the OK button. You will be returned to the Contact Definition window.

6. Your Contact definition should look similar to the one below.

* Description
SRCNX-R2 Contact number 1

Notes

* Attached to Which Controller or Reader
Defining an SRCNX16 Main w/expansi ...

* Location
Off Site

* Contact Type
Interior Push Button

* Associated Elevator Reader

Alarm Samples: 2
Fault Samples: 16
Parallel Resistor: 0
Series Resistor: 0
Debounce Period (Seconds): 0
Input Number: 1

Verify Status Normally Open Installed

Save and Close Save and New Close

7. Next choose a location for your contact. Click in the field called “Location” and select a location from the list. In this example Off Site was chosen.

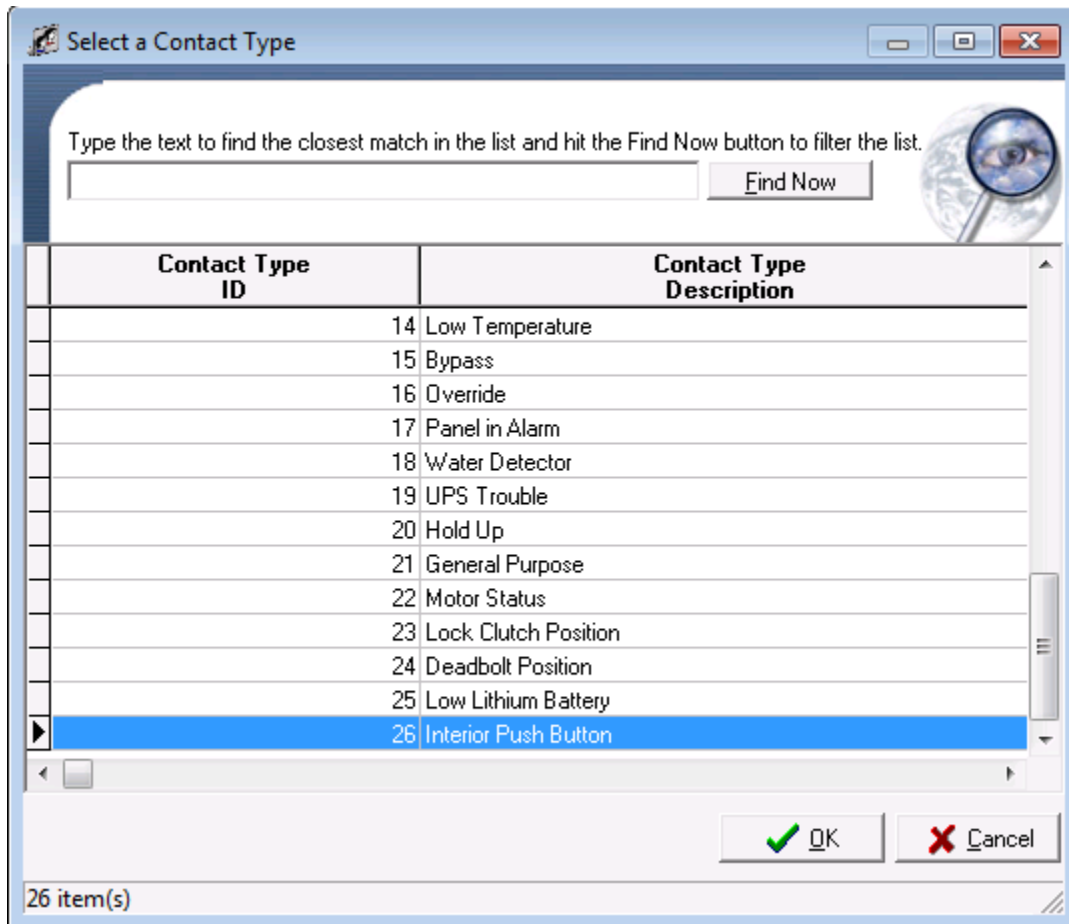
8. When complete you contact definition should look like the example below.

The screenshot shows a software window titled "Contact Definition" with a menu bar containing "File", "Edit", "Search", and "Help". The window contains the following fields and controls:

- * Description:** SRCNX-R2 Contact number 1
- Notes:** An empty text area with a vertical scrollbar.
- * Attached to Which Controller or Reader:** Defining an SRCNX16 Main w/expansi ...
- * Location:** Dff Site ...
- * Contact Type:** Interior Push Button ...
- * Associated Elevator Reader:** (Empty field)
- Alarm Samples:** 2
- Fault Samples:** 16
- Parallel Resistor:** 0
- Series Resistor:** 0
- Debounce Period (Seconds):** 0
- Input Number:** 1
- Verify Status:**
- Normally Open:**
- Installed:**

At the bottom of the window, there are three buttons: "Save and Close", "Save and New", and "Close".

9. Next we need to define a Contact Type. Click in the field called: "Contact Type". The Select a Contact Type window will open.



10. Choose a contact type and click the OK button. The window will close. In this example an Interior Push Button was chosen.
- NOTE:** The contact being configured is NOT attached to a reader, as such REX or DOD will not be normally chosen as a contact type.
11. Now we need to define an Input Number.
- NOTE:** You can ONLY choose an input number between 1 through 16.
12. In this example the input number is set to 1. However, just because this is the first contact being programmed, any input number may be chosen (1-16), as long as the programming matches the physical contact number on the controller.

13. Your Contact definition should look similar to the one below.

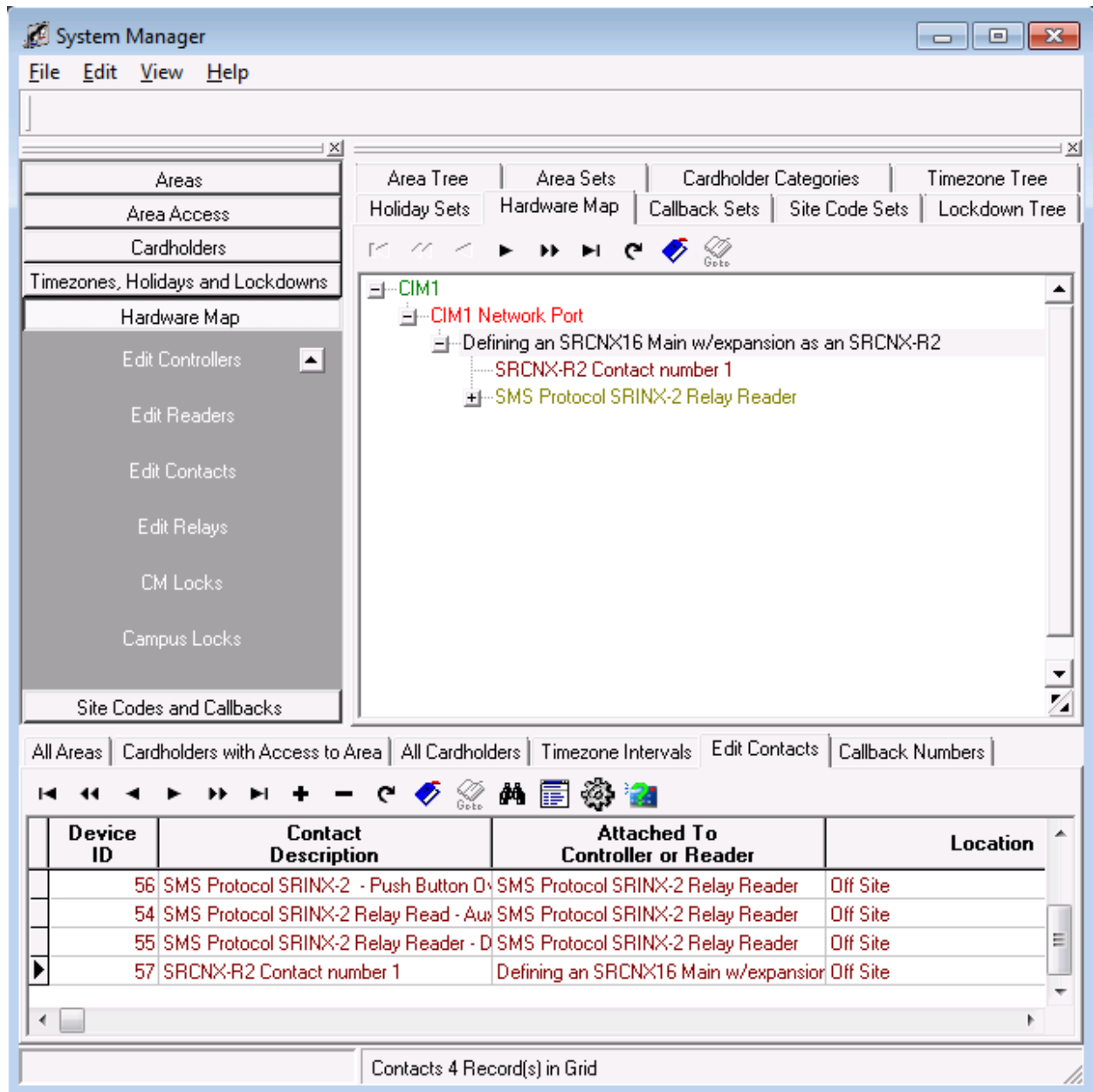
The screenshot shows a 'Contact Definition' window with the following fields and values:

- * Description: SRCNX-R2 Contact number 1
- Notes: (Empty)
- * Attached to Which Controller or Reader: Defining an SRCNX16 Main w/expansi
- * Location: Off Site
- * Contact Type: Interior Push Button
- * Associated Elevator Reader: (Empty)
- Alarm Samples: 2
- Fault Samples: 16
- Parallel Resistor: 0
- Series Resistor: 0
- Debounce Period (Seconds): 0
- Input Number: 1
- Verify Status:
- Normally Open:
- Installed:

14. Define other contact parameters.

- a. Set Alarm Samples to 1.
NOTE: We recommend that the Alarm Samples be set to 1 in the beginning and if you receive false contact point reporting, return this value back to 2 as displayed.
- b. If you need to change any of the other options for your contact (Resistors values or Normally Open or Closed) make the necessary selections.
- c. Once complete, click the Save and Close button. You will be returned to System Manager.

- Once you are back in System Manager, if you expand your hardware map and click the + sign under your SRCNX-16 controller, you will see your defined contact. Your window should look similar to the one below.



- Your contact definition is finished. Repeat the instructions for any additional contacts then move on to the next step to program relays.
- Program a relay -- As far as programming Relays are concerned it is the same process as programming a contact. The only difference is that instead of choosing an input number (step 11 above) you will choose a relay number. Remember you can program relays 1 through 14.