tyco | Software House

Galaxy Intrusion Integration for C•CURE 9000 User Guide

Version 2.90

Access Control and Event Management

8200-1191-1158

www.swhouse.com

Rev: C

August 2023

Johnson Controls

Table of Contents

Preface

Galaxy Intrusion Integration User Guide is for the new as well as the experienced Galaxy Dimension Intrusion Panel and C•CURE 9000 system users. This manual describes the features of the C•CURE 9000 Galaxy Dimension Intrusion Integration system.

The preface covers

Finding More Information

You can access C•CURE 9000 manuals and online Help for more information about C•CURE 9000.

Manuals

C•CURE 9000 software manuals and Software House hardware manuals are available in Adobe PDF format on the C•CURE 9000 DVD.

You can access the manuals if you copy the appropriate PDF files from the C•CURE 9000 Installation DVD English\Manuals folder and install the Adobe Acrobat reader. Adobe Acrobat Reader can be installed from the C•CURE 9000 Installation DVD English\Reader folder.

The available C•CURE 9000 and Software House manuals are listed in the *C•CURE 9000 Installation and Upgrade Guide*, and appear as hyperlinks in the online.pdf file on the C•CURE 9000 DVD English\Manuals folder.

These manuals are also available from the Software House Member Center website (http://www.swhouse.com/TechnicalLibrary/TechLibSW.aspx).

Online Help

You can access C•CURE 9000 Help by pressing F1 or clicking Help from the menu bar in the Administration/Monitoring Station applications.

Conventions

This manual uses the following text formats and symbols.

Convention	Meaning
Bold	This font indicates screen elements, and also indicates when you should take a direct action in a procedure. Bold font describes one of the following items: • A command or character to type, or • A button or option on the screen to press, or • A key on the keyboard to press • A screen element or name
blue color text	Indicates a hyperlink to a URL, or a cross-reference to a figure, table, or section in this guide.
Regular italic font	Indicates a new term.
<text>	Indicates a variable.

The following items are used to indicate important information.

NOTE	Indicates a note. Notes call attention to any item of information that may be of special importance.
TIP	Indicates an alternate method of performing a task.
	Indicates a caution. A caution contains information essential to avoid damage to the system. A caution can pertain to hardware or software.
	Indicates a warning. A warning contains information that advises users that failure to avoid a specific action could result in physical harm to the user or to the hardware.
	Indicates a danger. A danger contains information that users must know to avoid death or serious injury.

Software House Customer Support Center

Telephone Technical Support

During the period of the Agreement, the following guidelines apply:

- Software House accepts service calls **only** from employees of the Systems Integrator of Record for the installation associated with the support inquiry.

Before Calling

Ensure that you:

- Are the Dealer of record for this account.
- Are certified by Software House for this product.
- Have a valid license and current Software Support Agreement (SSA) for the system.
- Have your system serial number available.
- Have your certification number available.

Hours	Normal Support Hours	Monday through Friday, 8:00 a.m. to 8:00 p.m., EST. Except holidays.
	Emergency Support Hours	24 hours/day, seven days a week, 365 days/year. Requires Enhanced SSA “7 x 24” Standby Telephone Support (emergency) provided to Certified Technicians. For all other customers, billable on time and materials basis. Minimum charges apply – See MSRP.
Phone	U.S. Puerto Rico U.S. Virgin Islands	+1-800-392-2873
	For other regions, see http://www.swhouse.com/support/contact_technical_support.aspx.	

1

Introduction

This chapter introduces the C•CURE 9000 Galaxy Intrusion Integration software that provides integration between the Honeywell Galaxy Dimension Intrusion Panel and Software House C•CURE 9000.

This chapter covers

Overview

The C•CURE 9000 Galaxy Intrusion System provides advanced, seamless integration with the Honeywell Galaxy Security System, allowing customers to monitor their important intrusion system devices from the C•CURE 9000 Monitoring Station and Administration Station. The software also monitors the Panel, Zone, Outputs and Partitions from the Administration Station.

The general Galaxy Intrusion Series is made up of Galaxy Intrusion panels, one or more keypads and various sensors and detectors. All the keypads have an audible indicator and command entry key. They are used to send commands to the system and to display the current system status. The security system has several Zones and each of these Zone is connected to one or more sensors, for example, motion detectors, door contacts, and so forth. A sensor in an alarm is indicated by the corresponding Zone.

The union of this high-end Galaxy Dimension Intrusion series product and the C•CURE 9000 application through the Software House C•CURE 9000 Connected Program Kit provides extensive system integration opportunities. It allows you to create and configure a Galaxy Panel and acquire Galaxy Panel status change. Partition and Zone event status, and all alarms, troubles, emergency information from Galaxy Intrusion System and are stored in the Journal.

Events from Galaxy Intrusion system are logged to a C•CURE 9000 host through the TCP/IP protocol.

The Galaxy Intrusion Integration software allows an operator to receive incoming events from the Panel and control the Panel or specific Zone or Output.

Events from the Galaxy are displayed on the Monitoring Station in the same manner as any C•CURE 9000 event, that is, a text description of the event, day, date, and time.

The Galaxy Intrusion Integration supports configuration of Privileges available in C•CURE 9000.

Features

The following is a list of major features that is supported by C•CURE 9000 Galaxy Intrusion Integration:

- Supports GD-48/96/264/520 Dimension Intrusion Panels.
- Provides a descriptive display of Panels, RIO events received.
- Synchronizes Panel to import data on the following objects except Users:
  - Partition
  - Zones
  - Secondary devices
  - Outputs
- Supports following action to control the Galaxy objects from C•CURE 9000:
  - Zone: Bypass or Reset
  - Output: Activate or Deactivate
  - Partition: Set or Unset
- Polls for Output, Zone, Partition, and RIO status.
- Supports Audit and Journal Log.
- Supports instant Manual Actions.
- Galaxy driver runs as Window's Service.
- Supports TLS 1.2 for security.

Architecture

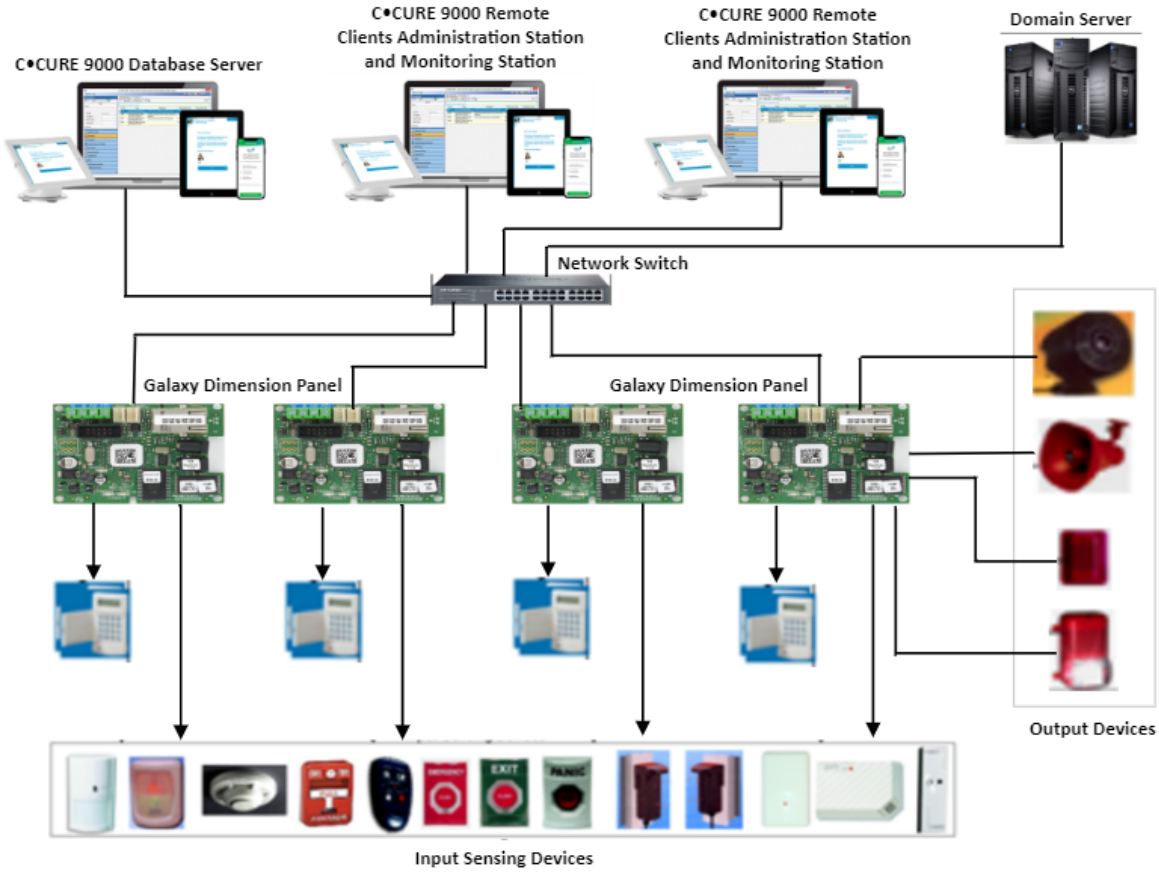
The objective of the C•CURE 9000 Galaxy Intrusion Integration is to provide a standard interface between the Galaxy Dimension Intrusion product family and C•CURE 9000 through an Ethernet module only. The interface listens to the Galaxy panels unsolicited messages and communicates them to C•CURE 9000. The C•CURE 9000 processes these messages and communicates them to the users as object state changes, activities, events, and alarms, according to the way the Galaxy Panel's objects in the C•CURE 9000 database are configured.

The Galaxy Intrusion Integration interface gives you the ability to import Galaxy Intrusion's configuration, Zones, Outputs and Partitions into the C•CURE 9000. The Galaxy Intrusion Integration interface also listens to Galaxy Panel event messages and processes them into C•CURE 9000 Journal messages.

You can access the Galaxy Intrusion Integration interface on the C•CURE 9000 Administration Client by clicking the Hardware pane. The Hardware pane opens and you can access an existing Galaxy Panel or create a new one.

Figure 1 on Page 14 displays the Galaxy Intrusion Integration Architecture.

Figure 1: Galaxy Intrusion Integration Architecture



2

Installation

This chapter provides instructions on how to install the Galaxy Intrusion Integration software on a server or client system.

This chapter covers

Installation Overview

Similar to the C•CURE 9000 system, the Galaxy Intrusion Integration has client and server components. You must install the client components on every computer that runs C•CURE 9000 client applications, and you must install the server components on the server computer.
The Galaxy Intrusion Integration has the same hardware, software, and disk space requirements as C•CURE 9000; if the target computer can install C•CURE 9000, then it meets the requirements of the Galaxy Intrusion Integration.

Before installing the C•CURE 9000 Galaxy Intrusion Integration software, you must install the C•CURE 9000 software on your target computer. For information about installing C•CURE 9000, see the *C•CURE 9000 Installation and Upgrade Guide*.

The following table lists the steps to install and register the C•CURE 9000 Galaxy Intrusion Integration software:

Table 1: Installation Tasks

Task	See...
1. Install C•CURE 9000.	*C•CURE 9000 Installation and Upgrade Guide*
2. Perform the pre-installation steps.	Pre-Installation Tasks on Page 17.
3. Get the Galaxy Intrusion Integration Software	Getting the Galaxy Intrusion Integration Software on Page 18
4. Start the Galaxy Intrusion System integration program.	Installing the Galaxy Intrusion Integration on Page 19.
5. Run the License program on your server to verify if the license exists for the Galaxy Intrusion Integration.	*C•CURE 9000 Installation and Upgrade Guide*
6. If you did not select to restart the C•CURE 9000 services during the installation, you must manually start the start the Server Services and the Galaxy Intrusion integration service.	Starting the Server Services on Page 20

Table 2 on Page 16 provides the installation information on a MAS (Master Application Server) and SAS (Satellite Application Server) environment.

Table 2: Installation on SAS and MAS

Installation on a....	Installs...
MAS (Master Application Server)	Nothing is installed.
MAS remote client and any other client systems.	• Only the Galaxy Intrusion integration client objects are installed. • No server or database objects are installed.
SAS (Satellite Application Server)	All Galaxy Intrusion integration components and database are installed.
SAS remote client and any other client system	• Only the Galaxy Intrusion integration client objects are installed. • No server or database objects are installed.

After you install the C•CURE 9000 Galaxy Intrusion Integration software, the installation program automatically creates a Galaxy Panel folder at the CompanyName root level of the Hardware Tree.

Pre-Installation Tasks

Before you install the Galaxy Intrusion Integration, ensure the following:

Pre-installation Steps

1. C•CURE 9000 must be installed.
1. All C•CURE 9000 and virus checking applications on client workstations must be closed.
1. You must have appropriate Windows permissions.
2. You must be a member in the local Administrators group, or have equivalent privileges.
3. To install the Galaxy Intrusion Integration on a corporate network, coordinate with your corporate network administrator.
4. To install the Galaxy Intrusion Integration on C•CURE server system, you must install the .NET Framework 3.5 on C•CURE server.

Getting the Galaxy Intrusion Integration Software

The Galaxy Intrusion Integration software can be download the software from the Software House website.

To Download the Galaxy Intrusion Integration Software from the Software House Website

1. Go to www.swhouse.com.
2. Select **Products**, and then select **Software Downloads** in the list.
3. Log into the website with your UserID.

   If you do not have account, you must create one.
4. Click the **Products** tab and then select **Software Downloads** from the drop-down.
5. The **Software Downloads** page opens. Click **Unification driver**.
6. The **Alarm Intrusion Driver Downloads** table is displayed on the right. Scroll down to **Galaxy** and click the build version that you want to download.
7. Download the Galaxy Integration software to a folder on your computer.
8. Unzip the files to the folder on your local computer, or to a shared drive on the network.

Installing the Galaxy Intrusion Integration

You can install C•CURE 9000 Galaxy Intrusion Integration on a local computer from a shared drive over a network.

To Install Galaxy Intrusion from a Local Drive (Download)

1. Log into the Server or Client with Administration privileges.
2. Navigate to the folder that contains the Galaxy Intrusion software integration.

To Install Galaxy Intrusion from the Network Drive

1. Log into the Server or Client machine with the Administrative privileges.
2. Map the shared drive (download area where you copied the Galaxy Intrusion software integration folder).

Running the Setup Program

To Run the Installation Program

NOTE

Before installing the Galaxy Intrusion Integration, follow the below steps:

1. Close the C•CURE 9000 Administration Station and Monitoring Station.
2. Open the C•CURE 9000 Server Configuration Application and stop the following server services.
   - CrossFire Framework Service
   - CrossFire Server Component Framework Service
3. Close the C•CURE 9000 Server Configuration Application.

1. Open the **Galaxy** folder and double-click the **Galaxy_Integration.exe**.
   The **End User License Agreement** dialog box appears.
2. Select the **I agree to the license terms and conditions** check box, and then click **Install**.
   For server installations running CrossFire service, the **Tyco CrossFire Service Alert** dialog box appears.
3. Click **OK** to continue with the installation.
   The **Welcome to the Galaxy Integration Setup Wizard** appears.
4. Click **Next** to continue with the installation.
   The **Installation Options** dialog box appears.
5. If you choose to enable the driver for redundancy, select the **Redundant server installation using supported third party redundancy** check box and enter the Virtual sever (alias) name.
   Else, just click **Next**.
   The **Ready to Install Galaxy Integration** dialog box appears.
6. Click **Install** to start the installation.

   Note: If you want to modify the installation settings, click **Back**.
   The **Completed the Galaxy Integration Setup Wizard** appears.
   Note: If you want to roll back the installation to clean state, click **Cancel**.

NOTE

Check-box **Start the Tyco CrossFire services** is selected by default. If this check-box is not selected, then the CrossFire services will not start automatically.

7. Click **Finish** to complete the installation process.
   The **Setup Successful** dialog box appears.
8. Click **Close** to exit the installation wizard.

NOTE

For the redundant environment, if you want to add or modify the Virtual sever (alias) name after installation, you must perform the following steps:

1. Go to the folder .../**Tyco/CrossFire/ServerComponents.**
2. Open the file **TSP.Enterprise.Intrusion.Galaxy.Server.GalaxyDriverService.exe** configuration file.
3. Scroll down to the client section and for all the **<endpoints>** change the **localhost** to the required Virtual sever (alias) name except for the endpoint name="TraceViewerURI.

Starting the Server Services

Before configuring Galaxy Intrusion Integration objects, go to the Server Configuration Application and ensure that the CrossFire Framework, CrossFire Server Component Framework, and the Galaxy Driver Integration Services are running. If they are not running, follow the steps to start the server services:

To Start the Server Services

1. Launch the Server Configuration Application:
   a. From the **Start** menu click **All Programs.**
   b. Click **Tyco**, right-click the **Server Configuration** and then click **Run as Administrator**.
   The **Server Configuration Application** page opens.
2. Start the Galaxy Services:
   a. On the **Server Configuration Application** page, click to open the **Services** tab.
   b. Click the **Start** button to start the **Crossfire Framework Service**. Wait for the status to change to **Running**.
   c. Click the **Start** button to start the **Crossfire Server Component Framework Service**. Wait for the status to change to **Running**.
   d. In the **Extension Services** area, locate the Galaxy Driver Service. Select the **Enabled** check box and then click the **Start** button. Wait for the status of the Galaxy Driver Service to change to **Running**.

After the status of the CrossFire Framework Service, CrossFire Server Component Framework Service, and Galaxy Integration Service changes to **Running**, you can configure Galaxy objects.

Upgrading the C•CURE 9000 Galaxy Intrusion Integration

After upgrading C•CURE 9000 to a desired version, install the corresponding Galaxy Intrusion Integration.

NOTE

- From the C•CURE 9000 version 2.10 onwards, installation of the Galaxy Intrusion integration on MAS server is not supported. If you upgrade to C•CURE 9000 version 2.10 or 2.20 , you must manually uninstall Galaxy Intrusion integration.
- Before installing the Galaxy Intrusion Integration, follow the below steps:
  1. Close the C•CURE 9000 Administration Station and Monitoring Station.
  2. Open the C•CURE 9000 Server Configuration Application and stop the following server services.
     - CrossFire Framework Service
     - CrossFire Server Component Framework Service
  3. Close the C•CURE 9000 Server Configuration Application.

Uninstalling the Galaxy Intrusion Integration

The uninstall process removes all software components that are installed by the Galaxy Intrusion integration installation. After the uninstall process is complete, the computer returns to a clean state.

NOTE

• Uninstalling this integration does not automatically remove objects that were configured in C•CURE 9000. Before you unintall the integration, you must manually remove the objects from C•CURE 9000, to avoid potential issues such as partition deletion.

• Please be advised that the Galaxy integration will shut down and restart the CrossFire services. Therefore, the Galaxy integration uninstall should be planned accordingly.

To Uninstall the Galaxy Intrusion Integration

1. Close the C•CURE 9000 Administration Workstation and the Monitoring Station.
2. Open the C•CURE 9000 Server Configuration Application, and stop the following server services:
   - CrossFire Framework Service
   - CrossFire Server Component Framework Service
   - Galaxy Driver Service
3. Close the C•CURE 9000 Server Configuration Application.
4. From the Windows **Start** menu, select **Control Panel -> Programs ->Programs and Features**.
5. Click the **C•CURE 9000 Galaxy Integration**, and then click the **Uninstall** button at the top of the list. Alternatively, right-click **C•CURE 9000 Galaxy Integration,** and then click **Uninstall.** The **Modify Setup** dialog box appears.
6. Click **Uninstall**.
7. In the **Drop Database** dialog box, select one of the following options:
8. Select **YES** to delete the database
9. Select **No** to retain the database used in the Galaxy integration configuration.
10. The **Setup Successful** dialog box appears. Click **Close** to exit from the uninstallation wizard.

3

Configuring Galaxy Panel to Communicate with C•CURE 9000

This chapter provides instructions to configure Galaxy Panel to communicate with C•CURE 9000.

This chapter contains

Configuring Galaxy Dimension Panels and Firmware

The Galaxy Intrusion Integration supports the following hardware and firmware:

Table 3: Panel Models and Firmware Versions

Galaxy Dimension Intrusion Panel	Firmware Versions
GD-48	v6.10, v6.50, v6.70, v6.79, v6.92, v7.04
GD-96	v6.70, v6.79, v6.92, v7.04
GD-264	v6.70, v6.79, v6.92, v7.04
GD-520	v6.70, v6.79, v6.92, v7.04

Table 4: Ethernet Module Models and Firmware Versions

Ethernet Module Models	Firmware Versions
Ethernet E080-2	v2.08
Ethernet E080-10	v4.14, v4.15, v4.16

Enabling Engineering Access

Use the keypad to type the following in the same sequence:

1. Enter **12345, Ent, Ent, Ent** to open Engineering Menu.
2. 48= ENG. ACCESS,Ent
3. 1=System Access,Ent
4. 1=Engineer ,Ent
5. 0=Disabled press 1 to make it 1=Enabled, Ent
6. Esc, Esc, Esc

Entering Engineering mode

Use the keypad to type the following in the same sequence:

- 112233, Ent, Ent

NOTE 112233 is the Default PIN, if any other PIN is configured then that PIN needs to be entered, to enter Engineering mode.

Configuring Ethernet Communications

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode.
2. 56=Communication, Ent
3. 4=Ethernet, Ent
4. 01=Module Config, Ent
5. 1=IP Address, Ent
6. Type the IP Address to be assigned to the panel. *Use **#** for a dot, **B** to backspace*.
7. Press **Enter** to save the IP Address
8. 2=Site Name, Ent
9. Type the Site Name to be assigned to the panel. *Use **#** for a dot, **B** to backspace*.
10. Press **Enter** to save the Site Name.
11. 3=Gateway IP (if required)
12. Type the Gateway IP Address. *Use **#** for a dot, **B** to backspace*.
13. Press **Enter** to save the Gateway Address.
14. 4=Network Mask, Ent
15. Type the Subnet Mask. *Use **#** for a dot, **B** to backspace*.
16. Press **Enter** to save the Subnet Mask.
17. Press Esc. Keypad shows 01=Module Config
18. Press Esc, 4=Ethernet

Configuring Com Fail COM 4 for C•CURE

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode.
2. 56=Communication, Ent
3. 4=Ethernet, Ent
4. 06= FAIL TO COMM, Ent
5. Type the value, recommended is 20.
6. Press **Enter** to save the value. Keypad shows 06= FAIL TO COMM.
7. 07= Line Fail, Ent
8. 1= Network, Ent
9. 1= Available
10. Press **Enter** to save the value. Keypad shows 1= Network.
11. Press **Esc**, Keypad shows 07= Line Fail.
12. Press Esc, 4=Ethernet

Disabling the Encryption

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode.
2. 56=Communications, Ent
3. 4=Ethernet, Ent
4. 09 =Encrypt, Ent
5. 1=Alarm Report, Ent
6. 0=it should be set to zero, indicates Off, Ent
7. 2=Remote Access, Ent
8. 0=it should be set to zero, indicates Off, Ent
9. 3= SIA Control, Ent
10. 0=it should be set to zero, indicates Off, Ent
11. 4=Alarm Monitoring, Ent
12. 0=it should be set to zero, indicates Off, Ent
13. Esc, Esc, Esc, Keypad shows 4=Ethernet

Configuring the Galaxy panel to always allow remote access

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode
2. 56=Communications, Ent
3. 4=Ethernet, Ent
4. 03 =Remote Access, Ent
5. 1=Access Period, Ent
6. 4=Any Time, Ent
7. 2=Mode, Ent
8. 1=Direct Access, Ent
9. Esc, Esc, Esc, Esc, Esc

Configuring the Galaxy panel to receive the events

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode.
2. 56=Communication, Ent
3. 4=Ethernet, Ent
4. 02=Alarm Report, Ent
5. 1=Format, Ent
6. 2=Microtech, Ent

7. 1 = Trigger events, Ent
8. There are 20 trigger events. Based on the requirement choose the required triggers and turn them **ON**. To turn ON trigger events, you must set Ent 1=Status Ent 1=ON Ent Esc. Repeat this step for all the required trigger events (If you are not sure which trigger events to be used, then turn ON all 20 trigger events).
9. Esc, Esc
10. 5=Receiver, Ent
11. Select the required Receiver type, either Single or Dual using A or B arrow button, Ent

NOTE

The receiver configuration should reflect the actual number of alarm receivers to which the panel will send alarms. If there is only one receiver, configure it as SINGLE and leave Secondary IP address details empty under section 56.4.2.3.1 and 56.4.3.2. In case there are two receivers, receiver can be configured as DUAL and ensure both primary and secondary IP address and ports are configured.

If the receiver option is programmed as Dual, then a successful transmission must be made to both primary and secondary to be considered a successful transmission.

12. 2=Primary IP, Ent
13. 1=IP Address, Ent
14. Type the IP Address of the C•Cure Server to which the panel needs to be connected. *Use **#** for a dot, **B** to backspace*.
15. Press **Enter** to save the IP Address
16. 2=Port No, Ent,
17. Type the port number to be used to connect the C•Cure Server (same needs to be configured in C•Cure Server also). The default port number is 10002. Press ***B** to backspace*. You must change this if you have multiple Galaxy Panels.
18. Press **Enter** to save the Port number
19. Esc
20. 3=Secondary IP, Ent

NOTE

This section needs to be configured only if Dual Receiver is selected, otherwise needs to be left blank.

21. 1=IP Address (Secondary IP), Ent
22. Type the IP Address of the secondary receiver. *Use **#** for a dot, **B** to backspace*.
23. Press **Enter** to save the IP Address
24. 2=Port No., Ent,
25. Type the port number of the secondary destination receiver. The default port number is 10002. Press ***B** to backspace*. You must change this if you have multiple Galaxy Panels.
26. Press **Enter** to save the Port number
27. Esc
28. 4=Account Number, Ent
29. Type the Account number to be used. The default setting is 12345. Press ***B** to backspace*.
30. Press **Enter** to save the Account number.

31. Esc
32. 8=Protocol, Ent
33. 1=TCP, Ent
34. Esc, Esc, Esc

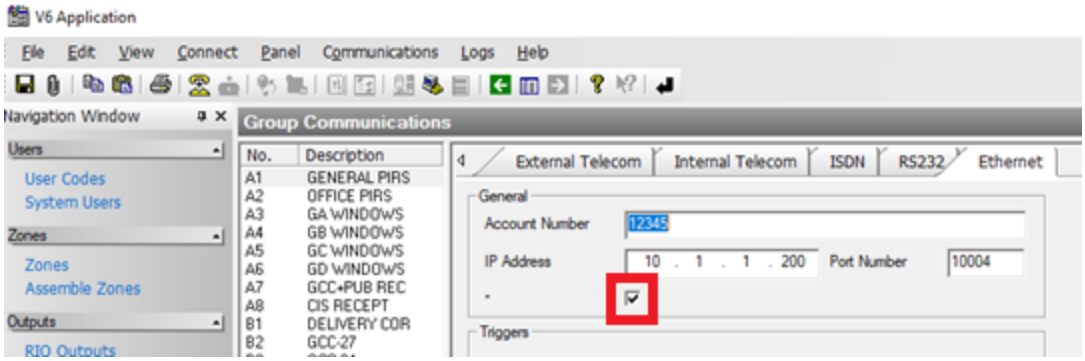
Enabling Group Mode

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode.
2. 63=Options, Ent
3. 1=Groups, Ent
4. 1=Group mode, Ent
5. 1=Enabled, Ent
6. Esc, Esc

Configuring Microtech Group options

Figure 2: Microtech Group Configurations



In the RSS tool, make sure to disable the group option check box (highlighted above) under Ethernet. For Microtech this should not be enabled, and checkbox should be unchecked.

Please note Groups must be enabled. Refer to section Enabling Group Mode on Page 28

For options through Galaxy keypad follow the below steps:

1. Enter the Engineering mode.
2. 56=Communication, Ent
3. 4=Ethernet, Ent
4. 02=Alarm Report, Ent
5. 1=Format, Ent
6. 2=Microtech, Ent
7. 1 = Trigger events, Ent
8. It will show the 1st Trigger Event, Press Enter.
9. Go to option 2 = Groups, make sure all groups should display ‘Y’(Default value is ‘Y’).
10. Repeat above step for all twenty Trigger events.

Enabling OMIT State

Use the keypad to type the following in the same sequence:

1. Enter the Engineering mode
2. 52=Program Zone, Ent
3. 1=Zones, Ent 2=RF Zones, Ent
4. Using A/B buttons navigate the zone you wish to omit, Ent
5. 04=Omit, Ent
6. 1=Enable, Ent
7. Esc, Esc, Esc

NOTE Exit the Engineering Mode once all configuration activity is completed, otherwise alarms will not be notified.

Closing Engineering Mode

Use the keypad to type the following in the same sequence:

1. 51=PARAMETERS, Ent
2. 17 =Restart ,Ent
3. 1= Restart, Ent, Ent

Network Switch Port settings

The Galaxy E080 Ethernet port is fixed as a 10Mb Half Duplex interface. Most of the Network equipments detect these settings automatically, but sometimes you must manually configure the port for the Galaxy. *Contact your local IT Support group for assistance.*

Firewall Settings

To receive alarms, you must add the port in the exception list. For example, if port 10001, which is a command port, is not listed in the exception list of firewall, then the Galaxy Intrusion Panel remains offline in C•CURE 9000.

By default, the command port number is 10001 and Alarm Reporting port number is 10002. Each panel must have a unique port to report alarms and you must add all these ports in the exception list of the firewall.

Maintenance Mode

Maintenance Mode is used to limit information about an object that is displayed on the Monitoring station. Maintenance Mode only affects the information reported at the Monitoring Station.

A few examples for using the Maintenance Mode are:

- To prevent the display of information about:
  - Parts of the system being installed by an integrator.
  - Hardware being serviced, requiring maintenance, or being tested.
- To only monitor information about hardware being serviced, requiring maintenance, or being tested.
- To view information about all objects, including those tagged to Maintenance Mode.

If you place an object in the Maintenance Mode, it does not prevent actions from occurring. For example, if an event assigned to intrusion zone in Maintenance Mode activates an output that turns on the building-wide evacuation alarm, the activation of the output will still occur.

Maintenance Mode is only reported in Journal Messages when an object is tagged to Maintenance Mode.

Operator Privilege and Application Layout Filtering assignments determine whether or not an object in Maintenance Mode is viewable, as being in Maintenance Mode, on the Monitoring Station. Operators with the appropriate Privileges and Application Layout Filtering can view objects in Maintenance Mode.

4

Galaxy Panel

This chapter provides information and instructions to create and configure Galaxy Panel and to use the tabs like Panel Configuration, Panel Information, Triggers, Status and State Images.

This chapter covers

Galaxy Panel Overview

Panels include intrusion zones, partition, outputs, and secondary devices that can be integrated with the C•CURE 9000 Galaxy Integration software.

A variety of Galaxy Dimension control panels and accessories such as IO expansion modules and keypads are supported. The following panels are supported:

- GD-48
- GD-96
- GD-264
- GD-520

The Galaxy Panel Editor is used to create and configure a Galaxy Dimension intrusion panel and acquire panel status changes from one intuitive interface.

The following sections provide more information about using Galaxy Panel Editor:

- "Galaxy Panel Tabs" on page 43
- "Galaxy Panel Tasks " on the facing page

Galaxy Panel Tasks

This section provides instructions to perform the following tasks:

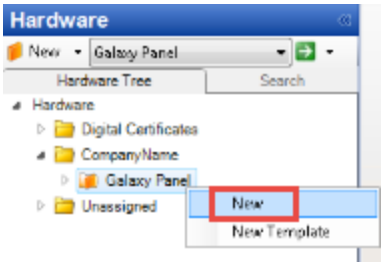
Creating a Galaxy Panel

To Create a Galaxy Panel

1. In the Navigation pane of the C•CURE 9000 Administration Station, click **Hardware**.
   The **Hardware** pane appears.
2. In the **CompanyName** folder, right-click the **Galaxy Panel** and select **New**.

   The **Galaxy Panel** Editor appears.

Figure 3: Hardware Tree



3. In the **Name** field, enter a name for the panel.
4. Click **Save and Close**.

   The new Galaxy Panel is added to the **Galaxy Panel** folder.

   After adding a panel you must configure it.

Configuring a Galaxy Panel

Pre-requisites

Ensure the following before you configure the Galaxy Panel:

- The new Galaxy Panel is available.
- You must have the following:
  - Panel IP Address
  - Host IP Address
  - Alarm Port

- Command Port

To Configure a Galaxy Panel

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder and then the **Galaxy Panel** folder.
3. Right-click a **Panel** that you want to configure and select **Edit**.

   The **Galaxy Panel** Editor opens.
4. Type the required data in the appropriate fields. For more information "Galaxy Panel - Panel Configuration Tab" on page 44
5. Click **Save and Close**.

Troubleshooting Tips

- If you cannot establish a connection successfully, check the physical connection between the Galaxy Panel and the server. You can do one of the following:
  - In the command prompt, type ping IP address and verify the connection.
  - Telnet to the command port number and the IP address.
  - Verify the host IP address set in the keypad.
  - You can use 'netstat' command to find problems in the network.
- Check the alarm port number in the Panel.

What to do Next

After configuring the Galaxy Panel, you can do the following:

- Synchronize the configured Galaxy Panel, Synchronizing the Galaxy Panel on Page 36.
- Configure triggers for the Galaxy Panel to activate events. See Galaxy Panel - Triggers Tab Definitions on Page 48
- View the state images for the Galaxy Panel. See Galaxy Panel - Status Tab on Page 51.
- Add the Galaxy Panel to a Group. See Adding Galaxy Panels to a Group on Page 39.
- Customize the Galaxy Panel State Image. Customizing State Images for Galaxy Panel on Page 54

Accessing a Configured Galaxy Panel

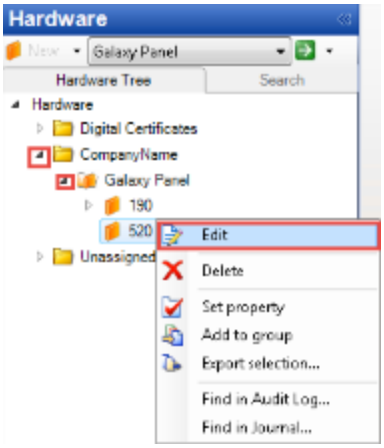
Ensure that you have created and configured the Galaxy Panel before you access it.

To Access a Configured Galaxy Panel

1. In the Navigation pane of the C•CURE 9000 Administration Station, click **Hardware**.
2. In the **Hardware** pane, expand the **CompanyName** folder and then the **Galaxy Panel** folder.
3. Right-click the Galaxy Panel that you want to access and click **Edit**.

   Alternatively, select **Galaxy Panel** from the **Hardware** pane drop-down list and, then click  to open a Dynamic View showing all Galaxy Panels.

Figure 4: Hardware Tree



The **Galaxy Panel** opens.

What to do Next

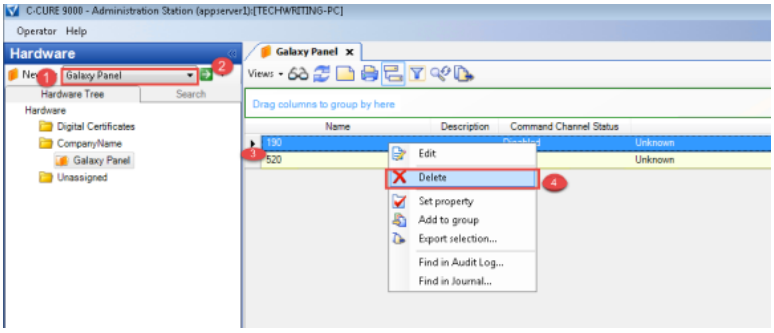
- Modify the Galaxy Panel. Configuring a Galaxy Panel on Page 33.
- Define a Trigger to the Galaxy Panel. Defining a Trigger for Galaxy Panel on Page 49
- Remove a Trigger to the Galaxy Panel. Removing a Trigger for Galaxy Panel on Page 50
- Customize the Galaxy Panel State Image. Customizing State Images for Galaxy Panel on Page 54
- Virtual keypad. Galaxy Panel Virtual keypad on Page 38

Deleting a Galaxy Panel

To Delete a Galaxy Panel from the Dynamic View

1. In the Navigation pane of the Administration Station, click **Hardware** to open the Hardware pane.
2. Select **Galaxy Panel** from the **Hardware** pane drop-down list.
3. Click  to open a Dynamic View showing all Galaxy Panels.

Figure 5: Galaxy Panel Dynamic View

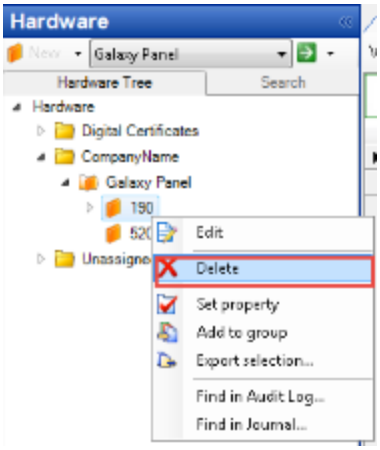


4. Right-click the Galaxy Panel that you want to delete and click **Delete**.
5. The message, **'Are you sure you want to delete the selected Galaxy Panel object?'** appears. Click **Yes** to delete the Galaxy Panel.

To Delete a Galaxy Panel from the Hardware Pane

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. In the **Hardware** pane, expand the **CompanyName** folder and then the **Galaxy Panel** folder.
3. Right-click a Galaxy Panel that you want to delete and select **Delete**.

Figure 6: Hardware Tree



Synchronizing the Galaxy Panel

To import data from the Panel to the C•CURE 9000 system, you need to synchronize the Panel. When you synchronize a panel, the Monitoring Station displays the following statuses:

- Synchronizing
- Synchronized

NOTE When synchronization is in progress, you cannot modify the Panel.

Before you Begin

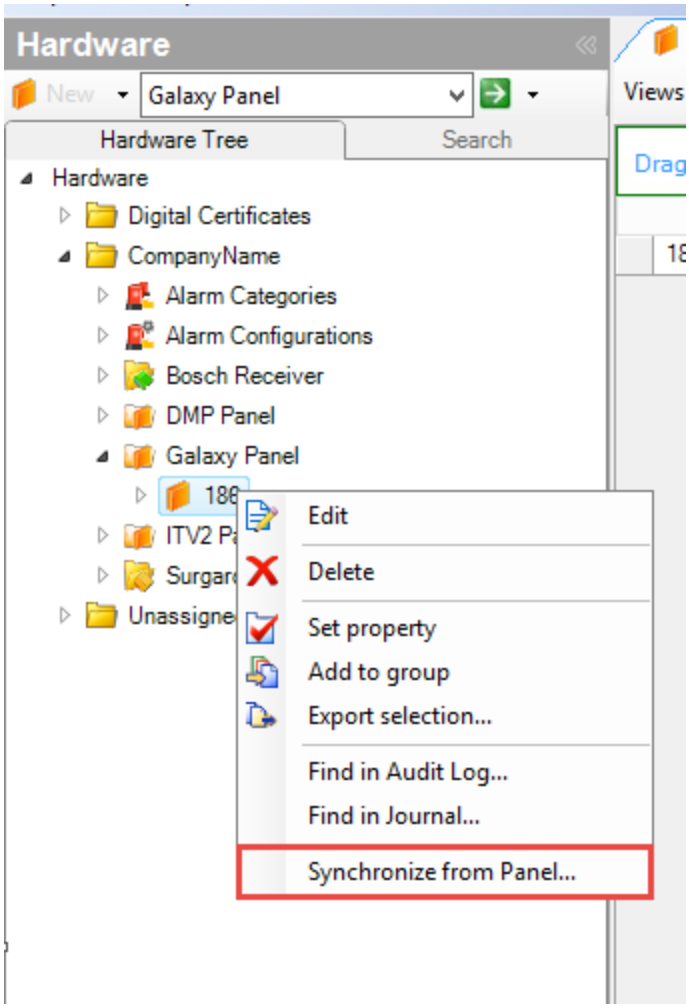
Ensure the following, before you synchronize the Galaxy Panel:

- The Galaxy Driver is up and running.
- The Panel is online.
- The communication status of the Command channel is online.

To Synchronize the Galaxy Panel from the Hardware Pane

1. In the **Navigation** pane of the Administration Workstation, click **Hardware.**
2. In the **Hardware** pane, expand the **CompanyName** folder and then expand the **Galaxy Panel** folder.
3. Right-click a Galaxy Panel and select **Synchronize**.

Figure 7: Synchronizing the Galaxy Panel



To Synchronize the Galaxy Panel from the Dynamic View

1. In the **Navigation** pane of the Administration Workstation, click **Hardware** to open the **Hardware** pane.
2. Select **Galaxy Panel** from the **Hardware** pane drop-down list.
3. Click to open the Dynamic View to see all Galaxy Panels.
4. Right-click the Galaxy Panel in the list that you want to synchronize and select **Synchronize** from the context menu.

After the synchronization is complete, the status of the selected Galaxy Panel is changed to **Synchronized.**

Troubleshooting Tips

If the synchronization stops or fails, check if the communication between the Panel and C•CURE 9000.

What to do Next

You can do the following, after synchronizing the Galaxy Panel.

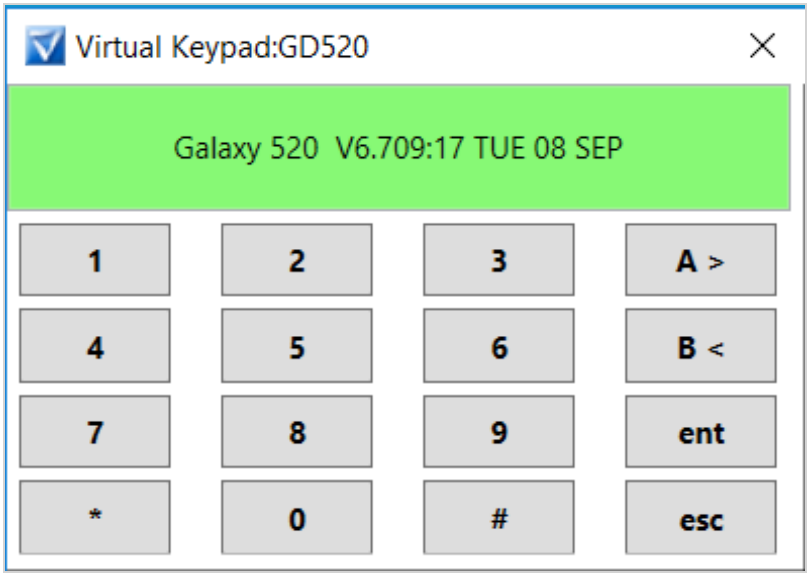
- Configure triggers for the Galaxy Panel to activate events. See Galaxy Panel - Triggers Tab Definitions on Page 48
- View the status for the Galaxy Panel. See Galaxy Panel - Status Tab on Page 51.

- View the status in the Monitoring Station.
  Messages are displayed in the Monitoring Station whenever synchronization is performed.

Galaxy Panel Virtual keypad

Virtual keypad is used to acknowledge alarms.

Figure 8: Virtual Keypad

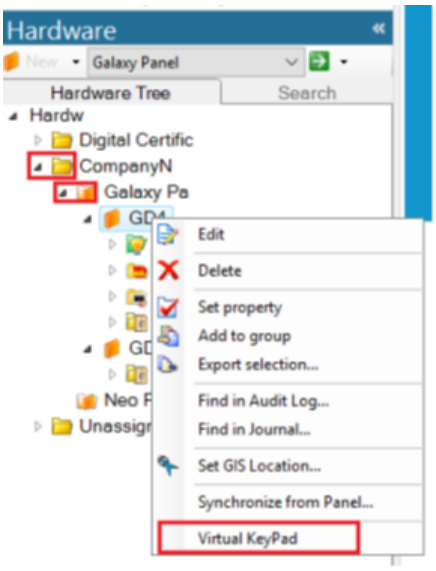


NOTE

- On the context menu, the virtual keypad option is available only if:
  - The Panel is online or enabled
  - Synchronization is not in progress
- You can access either the physical keypad or the virtual keypad but cannot access both the keypads simultaneously.
- On a C•CURE client, you can launch only one virtual keypad at a time.
- On a server or remote clients, you can launch multiple virtual keypads. If multiple virtual keypads are launched, the activity performed on one virtual keypad is reflected on all virtual keypads. Hence this is not recommended.
- Virtual Keypad closes automatically in the following scenarios:
  - When you perform manual action on Galaxy objects.
  - If the Panel goes offline.
  - If the Panel is disabled.

Launching the Virtual Keypad from the Hardware Pane

1. In the **Navigation** pane of the Administration Workstation, click **Hardware**.
2. In the **Hardware** pane, expand the **CompanyName** folder and then expand the **Galaxy Panel** folder.
3. Right-click a Galaxy Panel and select **Virtual Keypad**.



Launching the Virtual Keypad from the Dynamic View

1. In the **Navigation** pane of the Administration Workstation, click **Hardware** to open the **Hardware** pane.
2. Select **Galaxy Panel** from the **Hardware** pane drop-down list.
3. Click  to open the Dynamic View to see all Galaxy Panels.
4. Right-click the Galaxy Panel in the list that you want to synchronize and select **Virtual Keypad** from the context menu.

Acknowledging Alarms Using Virtual Keypad

Follow the steps to acknowledge alarms using virtual keypad:

1. Enter the Valid User code with the sufficient level to reset the alarm.
2. Press **Ent** to clear the alarms

Adding Galaxy Panels to a Group

Groups are created in the **Configuration** pane and are used for organizing C•CURE 9000 objects. You can add Panels to a group and perform manual actions for all the Panels at a time.

Before You Begin

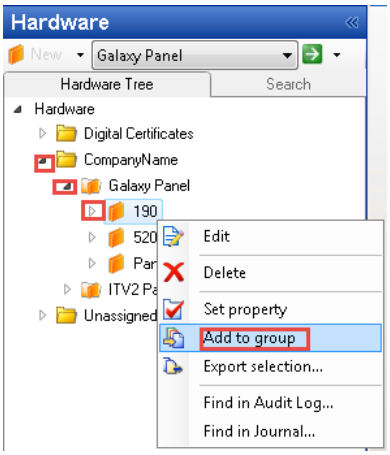
Ensure that a group with the Group Type as **Galaxy Panel** is created before adding the panel to the group.
For more information, *see the C•CURE 9000 Software Configuration Guide.*

To Add Galaxy Panel to a Group from the Hardware Pane

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.

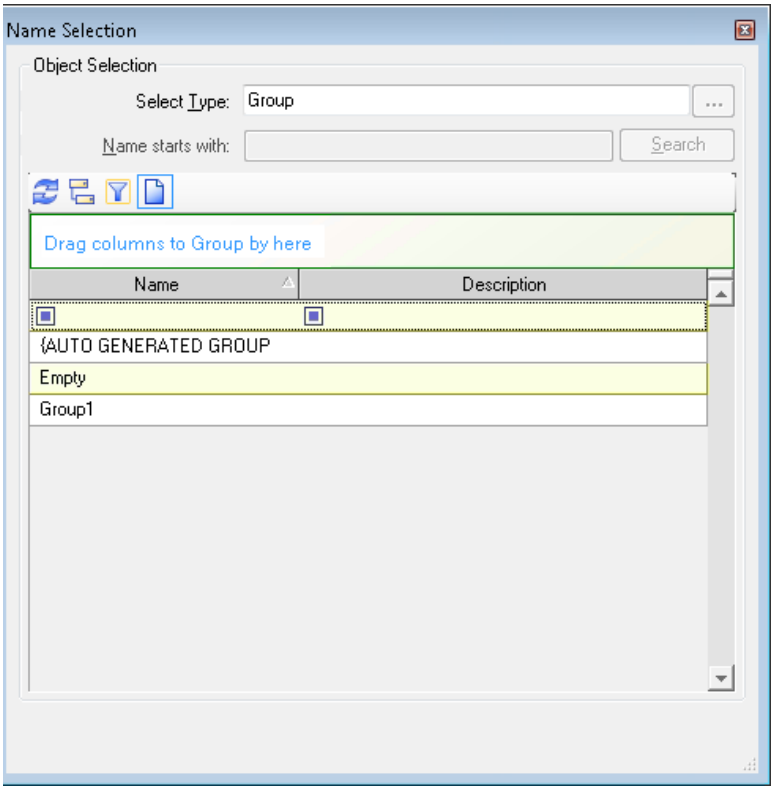
2. Expand the **CompanyName** folder and then expand the **Galaxy Panel** folder.
   Alternatively, select **Galaxy Panel** from the **Hardware** pane drop-down list and click  to open a Dynamic View showing all Galaxy Panels.

Figure 9: Accessing the Galaxy Panel - Add to Group



3. Right-click a **Galaxy Panel** that you want to add to a group and click **Add to Group**.
   A dialog box appears with the list of available groups for the Galaxy Panel.
4. Select the group to which you want to add the Galaxy Panel.
   The Panel is added to the selected group.

Figure 10: Galaxy Panel - Add to Group Selection Dialog Box



5. In the **Selected Objects to a Group** dialog box, click **OK** to save and exit.
   (Optional) click **Print** to print the list or click **Email** to mail the list.

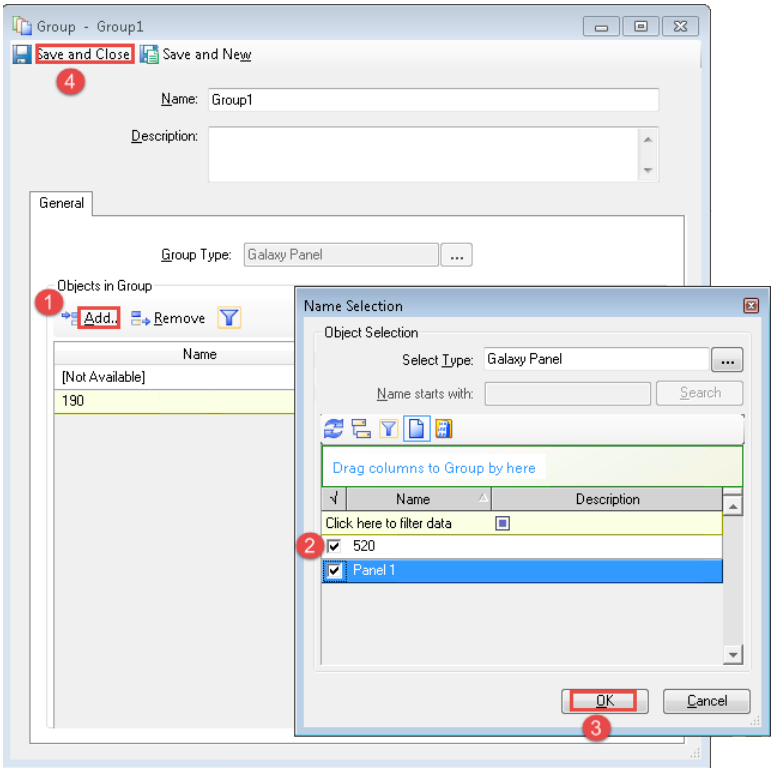
Figure 11: Selected Objects to a Group Dialog Box

To Add a Galaxy Panel to a Group from the Configuration Pane

1. In the **Configuration** pane, select **Group** from the drop-down list, and then click  to open a Dynamic View showing all Groups.
2. Right-click the Group that you want to associate with the Panel, and select **Edit**.
   The **Group** dialog box opens.
3. In the **Group - General** tab, click **Add**.

   The **Name Selection** dialog box appears with a list of existing Panels.
4. Select the check boxes to select the Panels and click **OK**.
   You can add more than one Galaxy Panel to a group.

Figure 12: Adding Galaxy Panel to a Group



5. The selected Galaxy Panels are added to the Group and are displayed in the **Groups** tab.
6. Click **Save and Close**.

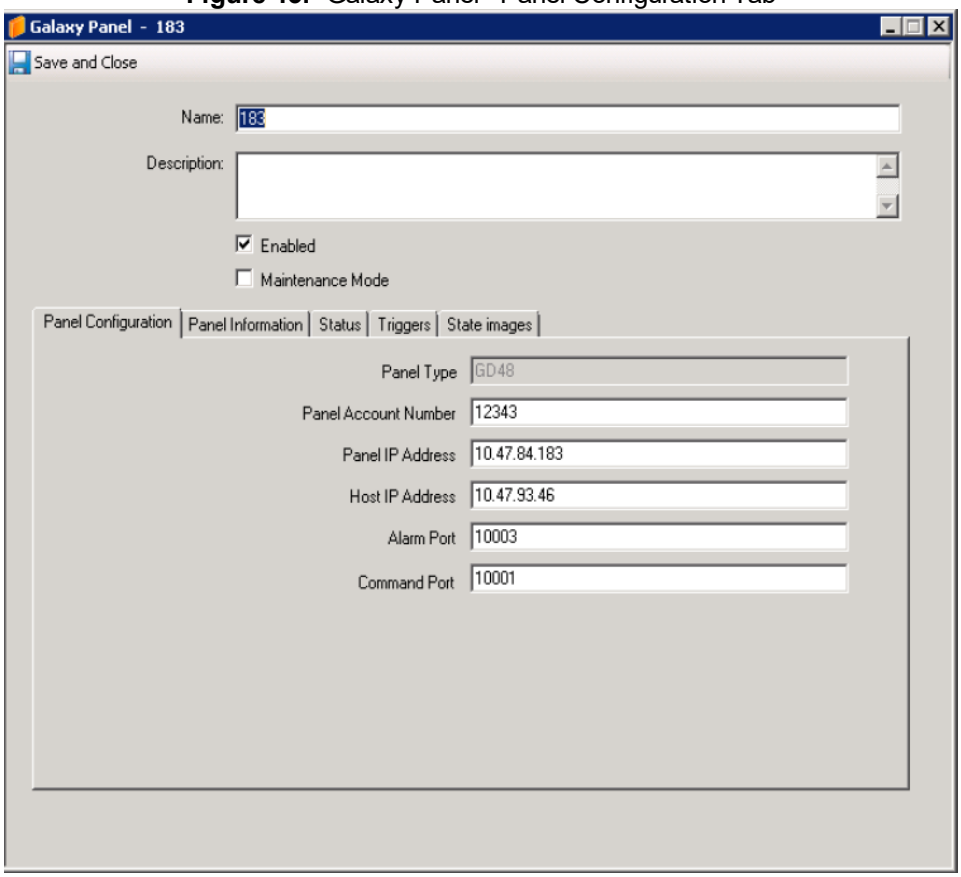
Galaxy Panel Tabs

This section provides information about the following tabs:

Galaxy Panel - Panel Configuration Tab

Use the **Panel Configuration** tab in the **Galaxy Panel** window to configure and enable the Galaxy Panels.

Figure 13: Galaxy Panel - Panel Configuration Tab



Galaxy Panel - Configuration Tab Definitions

Table 5 on Page 44 describes the fields on the Galaxy Panel Configuration tab.

Table 5: Galaxy Panel - Panel Configuration Tab

Options	Descriptions
Name	(Mandatory) Enter a unique name for the Galaxy Panel. NOTE: If the name is not unique, the following error message is displayed. **The same panel name already exists.** The name can have 1 to 100 alphanumeric characters.
Description	(Optional) Type a description about the Galaxy Panel.

Galaxy Panel - Panel Configuration Tab (continued)

Options	Descriptions
Enabled	Select the **Enabled** check box to establish the communication between C•CURE 9000 and the Galaxy Panel. By default, the **Enabled** check box is selected. If you clear the check box, the communication between C•CURE 9000 and the Galaxy Panel is disabled. The C•CURE 9000 communicates with the Panel using the IP Address with two port numbers: • Alarm Port • Command Port NOTE: If you cannot establish a connection successfully, check the physical connection between the Galaxy Panel and the server.
Maintenance Mode	Select the **Maintenance Mode** check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at Monitoring Station. For more information see, "Maintenance Mode" on page 29.
Panel Type	This field is read-only and it displays the type of Galaxy Panel. It displays the type of the Galaxy Panel. The default selection for the Galaxy Panel type is **Unknown**. The type of the Galaxy Panel is auto populated when the Panel is synchronized. The following options are available: • GD-48 • GD-96 • GD-264 • GD-520
Panel Account Number	(Mandatory) Type the assigned Panel account Number of the Galaxy Panel. The default Panel Account Number is 12345. The Panel Account Number can have 1-10 digits.
Panel IP Address	(Mandatory) Type the TCP/IP network address of the Galaxy Panel. NOTE: Ensure that the IP Address is unique and is in the IPV4 address format, else an error message is displayed.
Host IP Address	(Mandatory) Type the TCP/IP network address of the host machine. NOTE: When you upgrade from an older driver version, the field is automatically set to 0.0.0.0 so that the panel comes online regardless of the NIC. If there are multiple NICs in the host machine, you must configure this field with the Host IP Address after you finish upgrading.
Alarm Port	Alarm port is used to receive data from the Panel. (Mandatory) Type the TCP/IP port number from which the events must be received. The port number can have 1 to 5 digits. The default command port is 10002. NOTE: 1. If multiple Galaxy Panels are in use, there must be a unique Alarm port number for each Panel. If not the following error message is displayed: **The same Alarm Port already exists**. 2. The alarm port in C•CURE 9000 and Panel must be same. NOTE: When you upgrade from an older driver version, this field is automatically set to 0.0.0.0 so that the panel comes online regardless of the NIC. If there are multiple NICs in the host machine, you must configure this field with the Host IP Address after upgrading.
Command Port	Command port is used to send and receive the data from the Panel. The default command port is 10001.

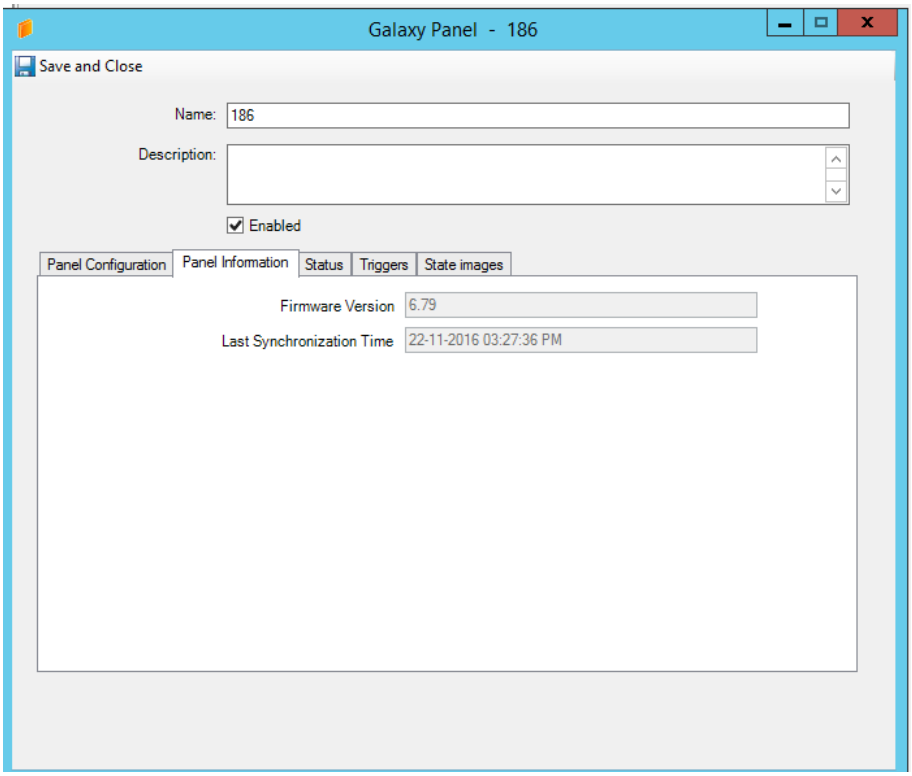
NOTE

- The driver disconnects and reconnects the panel if valid acknowledgment from the panel is not received for more than 25 packets.
- When there are alarms in the panel, the status of the **AlarmChannel** changes to **Online**. When there are no alarms in the panel, the status of the **AlarmChannel** is either **Offline** or **Unknown**.

Galaxy Panel - Panel Information Tab

The **Panel Information** tab in **Galaxy Panel** window the displays the panel firmware version and the last synchronized time.

Figure 14: Galaxy Panel - Panel Information Tab



Galaxy Panel - Information Tab Definitions

The following table describes the fields in the **Galaxy Panel -Panel Information**tab.

Table 6: Galaxy Panel - Panel Information Tab

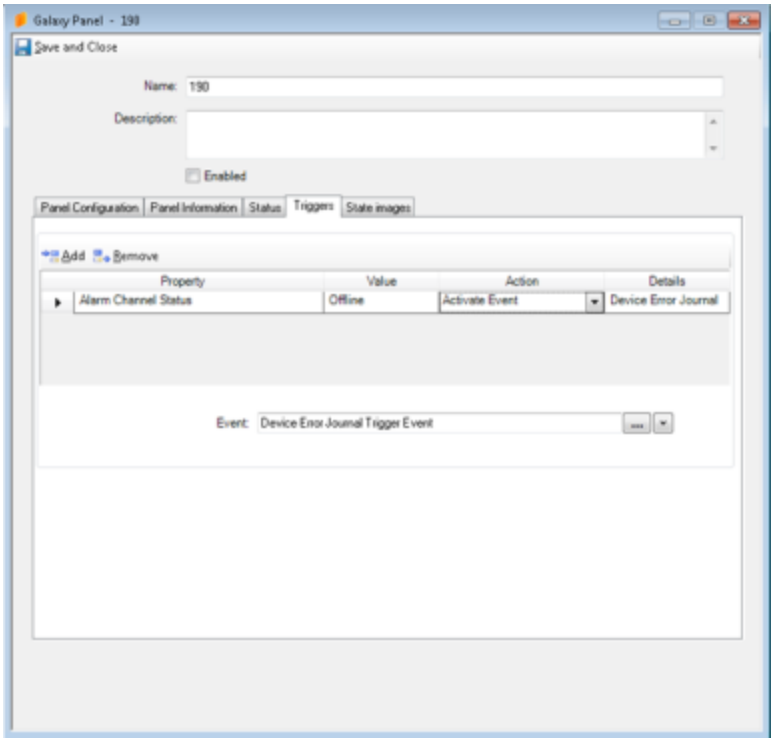
Fields	Descriptions
Firmware Version	This field is read-only. It displays the version of the firmware.
Last Synchronization Time	This field is read-only. It displays the time when the Galaxy Panel was last synchronized.

Galaxy Panel - Triggers Tab

Use the **Triggers** tab in the **Galaxy Panel** window to configure triggers to activate events. Triggers are used by C•CURE 9000 to activate specific actions when a particular predefined condition occurs.

For example: When the synchronization status of the Panel changes to **Synchronization Failed** then you can trigger a configured event.

Figure 15: Galaxy Pane l - Triggers Tab



Galaxy Panel - Triggers Tab Definitions

The following table describes the fields in the **Galaxy Panel - Triggers** tab.

Table 7: Galaxy Panel - Triggers Tab

Fields	Descriptions
Add	Click **Add** in the **Triggers** tab to create a new trigger.
Remove	Click **Remove** in the **Triggers** tab to delete an existing trigger.
Property	Click in the **Property** column, and then click ... . The **Property** browser opens and displays all properties available for the panel. Click a property to select it and add it to the column. For more information about the available properties, see Table 8 on Page 49.
Value	Click in the **Value** column to display a drop-down list of values associated with the property that you have selected. Select a value you want to include as a parameter for the trigger.

Fields	Descriptions
Action	Click in the **Action** column to display a drop-down list of valid actions. Click the action that you want to include as a parameter for the trigger. Currently only **Activate Event** is available.
Details	Displays details about how the action was configured. After you define the action details, the **Details** column displays information about how the action has been configured.
Events	Click  and select the event to be activated for the trigger.

The following table describes the fields in **Galaxy Panel - Triggers** tab input properties.

Table 8: Galaxy Panel - Triggers Tab Properties

Fields	Descriptions
Alarm Channel Status	
Online	The alarm channel of the Panel is online.
Offline	The alarm channel of the Panel is offline.
Disabled	The Panel is disabled.
Command Channel Status	
Online	The command channel is online.
Offline	The command channel is offline.
Disabled	The Panel is disabled.
Synchronization Status	
Start Synchronization	The synchronization process has started.
Synchronizing	The process of synchronization is in progress.
Synchronized	The synchronization is finished.
Synchronization Failed	There is a failure during synchronization.
Synchronization Stopped	The synchronization progress has stopped.

Galaxy Panel - Triggers Tab Tasks

Defining a Trigger for Galaxy Panel

Ensure that the Panel is configured and synchronized before you define a trigger.

To Define a Trigger for a Galaxy Panel

1. In the **Galaxy Panel**, click the **Triggers** tab.
2. Click **Add** in the **Triggers** tab to create a new trigger.

3. Click  in the **Property** column to open the **Galaxy Panel** dialog box showing the properties available for the panel.
4. Select a property to add to the **Property** column.
5. Click in the **Value** column and select the valid value from the drop-down list.
6. Click in the **Action** column to display a drop-down list of valid actions.

   Now only **Activate Event** is available. When you select an action, the lower pane in the **Triggers** dialog box displays an **Event** field to define the action details.
7. Click  to open an **Event** dialog box. Select an event that you want to associate with the trigger. Once you define the action details, the **Details** column displays information about how the action has been configured.
8. Click **Save and Close** to save the Galaxy Panel with the configured trigger.

Removing a Trigger for Galaxy Panel

To Remove a Trigger

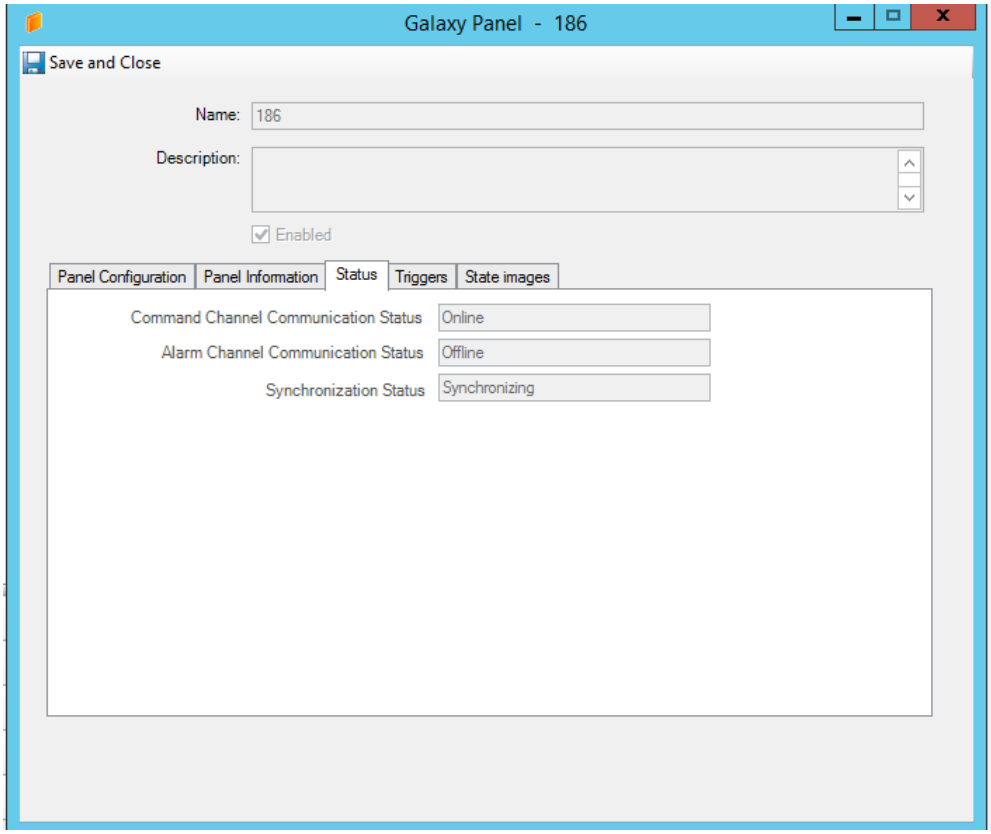
1. From the **Galaxy Panel**, navigate to the **Triggers** tab.
2. Use  to select the row in the **Triggers** tab for the trigger you want to remove.
3. Click **Remove**.
4. Click **Save and Close**.

Galaxy Panel - Status Tab

The **Status** tab in the **Galaxy Panel** window provides the status information about the Galaxy Panel.

Note: The status of the Panel is always **Offline** or **Unknown**, unless the Panel has alarm messages.

Figure 16: Galaxy Panel - Status Tab



Galaxy Panel - Status Tab Definitions

The following table describes the **Galaxy Panel** - **Status** tab.

Table 9: Galaxy Panel - Status Tab

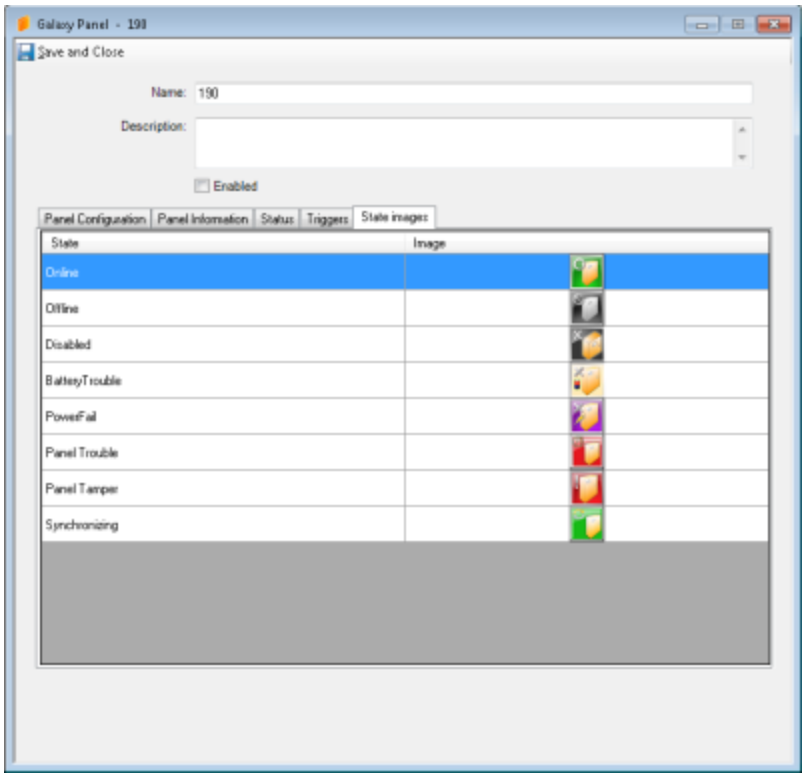
Fields	Descriptions
Command Channel Communication Status	Displays the communication status of the command channel. The options available are: - Online: The command communication channel is online. - Offline: The command communication channel is offline. - Disabled: The command communication channel is disabled.

Fields	Descriptions
Alarm Channel Communication Status	Displays the communication status of the alarm channel. The options available are: - Online: The alarm communication channel is online. - Offline: The alarm communication channel is offline. - Disabled: The alarm communication channel is disabled.

Galaxy Panel - State Images Tab

Use the **State Images** tab in the **Galaxy Panel** window to change the default images that are used to indicate the state of Galaxy Panels on the Monitoring Station.

Figure 17: Galaxy Controller State Images Tab



Galaxy Panel - State Images Tab Definitions

The following table describes the fields in the **Galaxy Panel - State Image** tab.

Table 10: Galaxy Panel - State Image Tab

Image	Descriptions
Online	The State indicates that the panel is online. Note: The C•CURE 9000 communicates with the Panel using the IP Address with two port numbers: • Alarm Port • Command Port
Offline	The state indicates that the panel is offline.
Disabled	The state indicates that the panel is disabled.
Battery Trouble	The state indicates that the panel has trouble in the battery.
PowerFail	The state indicates that there is power failure in the panel.

Image	Descriptions
Panel Trouble	The state indicates that there is trouble in the panel.
Panel Tamper	The state indicates that the panel is tampered.
Synchronizing	The state indicates that the panel is synchronizing.

You can use the **Galaxy Panel - State Images** tab to change the images that represent the state of the Galaxy Panels in the Monitoring Station.

State images on the Monitoring Station for the Galaxy Panel display according to the priority of:

1. Offline
2. Synchronizing
3. Online
4. Battery Trouble (Note: not applicable)
5. Power Fail (Note: not applicable)
6. Panel Trouble (Note: not applicable)
7. Panel Tamper (Note: not applicable)
8. Disabled (Note: not applicable)

Galaxy Panel - State Image Tab Tasks

The **State Images** tab lists the panel images that are displayed in the Monitoring Station to represent the activities of the Panel. You can select other images and restore the default image.

Customizing State Images for Galaxy Panel

Customizing State Images

1. To change an image, double-click the default image. A Windows file selection dialog box opens.
2. Select the desired replacement image, and then click **Open**. The new image replaces the default image and is displayed in the **State Images** tab.
3. Click **Save and Close.**

After customizing the state images, you can view the status in the Monitoring Station.

Restoring the Default Image

1. To restore the default image, right-click the image and select **Restore Default**.
2. Click **Save and Close.**

NOTE Import and Export is not supported for Galaxy Panel and its respective child objects.

5

Galaxy Zone

This chapter explains how to create and configure Galaxy Zone and to use the available tabs like General, Triggers, Status and State Images.

This chapter covers

Galaxy Zone Overview

An object connected to a Panel either directly or through a input board is called a Zone. For example: A Zone can be a hardware switch such as alarm device.

After the Panel is synchronized, all the Galaxy Zones associated with the Panel are available in the Hardware tree. You cannot create a new Zone. You can bypass a Zone using the **Bypass** option and reset the bypassed zone, using the **Reset** option.

The following sections provide more information about using Galaxy Zone.

- "Galaxy Zones Tabs" on page 64
- "Galaxy Zones Tabs" on page 64

Galaxy Zone Tasks

This section provides instructions to perform the following tasks:

- Accessing a Configured Galaxy Zone on Page 57
- Deleting a Galaxy Zone on Page 58
- Adding Zone to a Group on Page 60
- Galaxy Zone - Triggers Tasks on Page 69
- Galaxy Zone - State Image Tab Tasks on Page 74

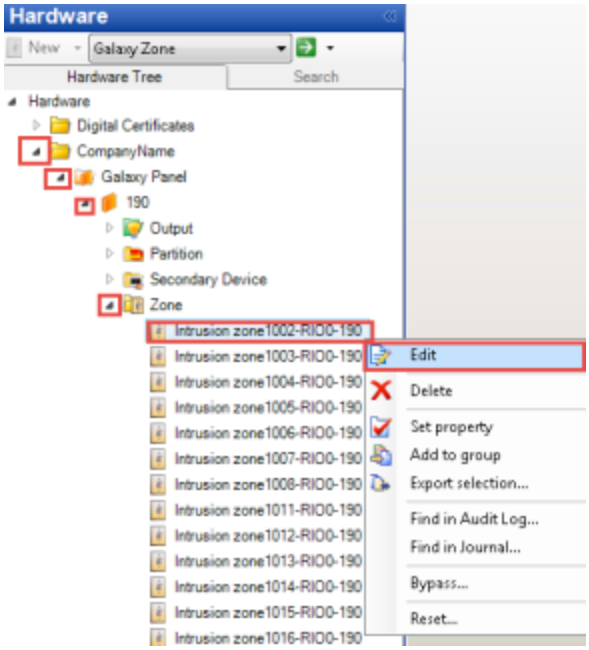
Accessing a Configured Galaxy Zone

To Access a Configured Galaxy Zone

1. In the Navigation pane of the C•CURE 9000 Administration Station, click **Hardware**.
2. In the **Hardware** pane, expand the **CompanyName** folder, **Galaxy Panel**, and then the **Zone** folder.
3. Right-click the Galaxy Zone that you want to access and click **Edit**.

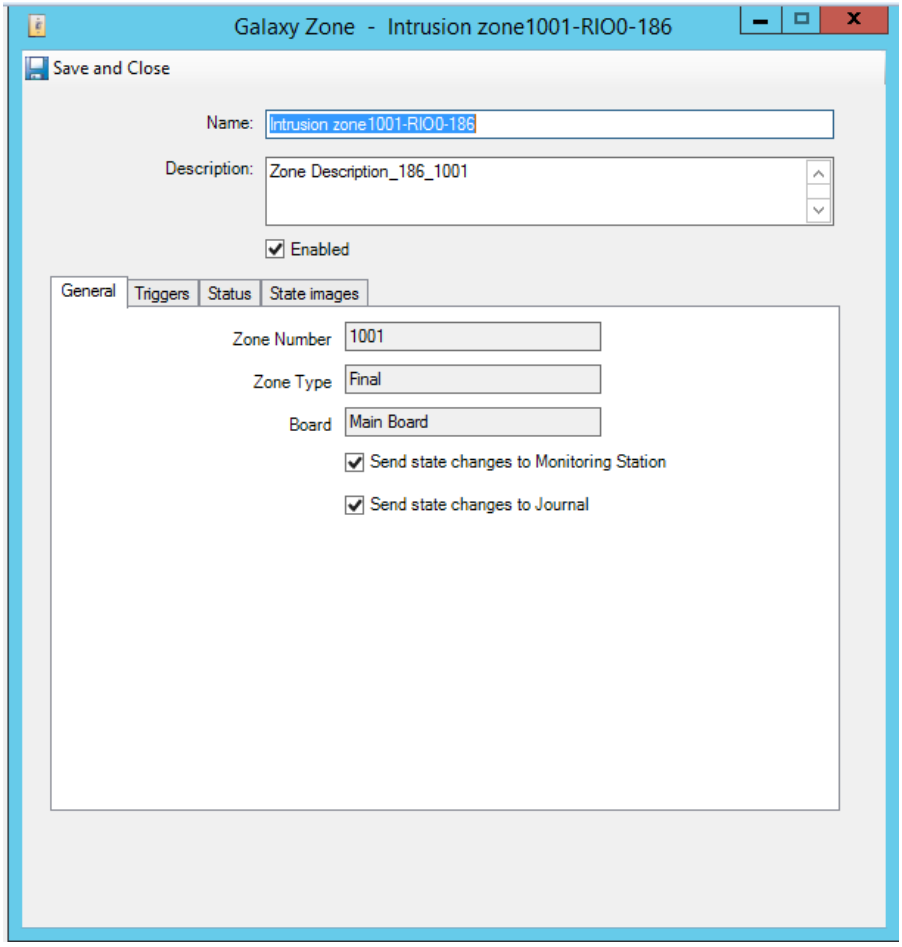
   Alternatively, select Galaxy Zone from the **Hardware** pane drop-down list and, then click  to open a Dynamic View showing all Galaxy Zones.

Figure 18: Accessing the Galaxy Zone



The **Galaxy Zone** Editor opens.

Figure 19: Galaxy Zone - General Tab

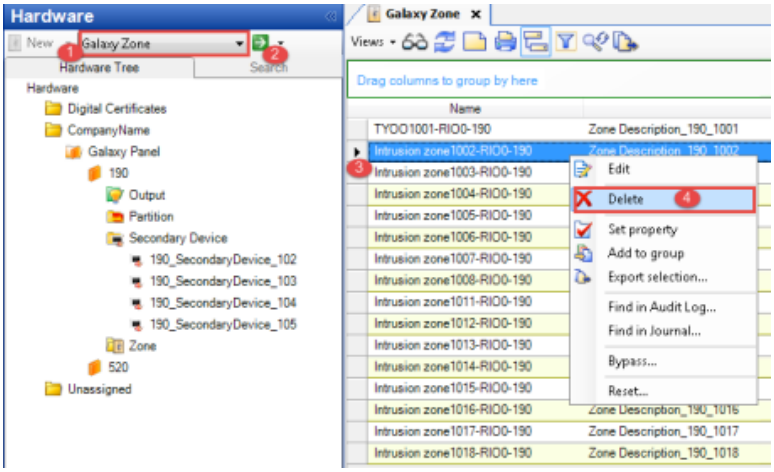


Deleting a Galaxy Zone

Deleting a Galaxy Zone from the Dynamic View

1. In the Navigation pane of the Administration Station, click **Hardware** to open the Hardware pane.
2. Select **Galaxy Zone** from the **Hardware** pane drop-down list.
3. Click  to open a Dynamic View showing all Galaxy Zones.

Figure 20: Galaxy Zone Dynamic View

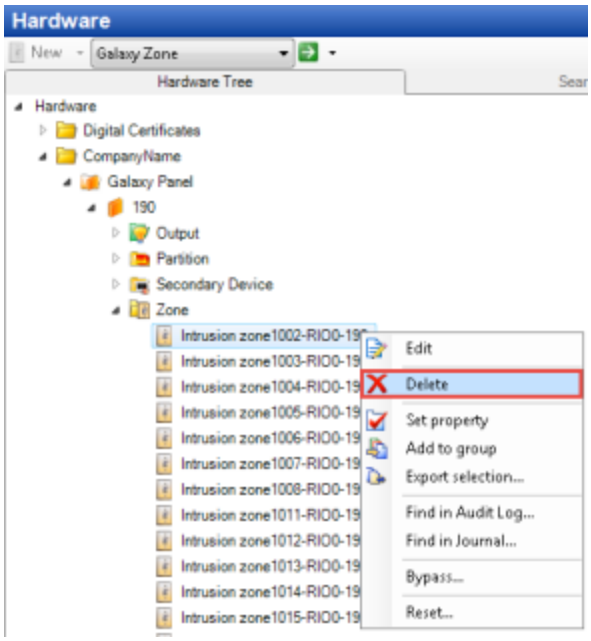


4. Right-click the Galaxy Zone that you want to delete and click **Delete**.
   Alternatively, right-click the Galaxy Zone from the **Hardware** pane and click **Delete**.
5. The message, **'Are you sure you want to delete the selected Galaxy Zone object?'** appears. Click **Yes** to delete the Galaxy Panel.

Deleting a Galaxy Zone from the Hardware Pane

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **Company Name** folder, **Galaxy Panel** folder, and then expand the **Zone** folder.
3. Right-click a **Galaxy Zone** that you want to delete and click **Delete.**

Figure 21: Deleting the Galaxy Zone



Adding Zone to a Group

Groups are created in the **Configuration** pane and are used for organizing C•CURE 9000 objects. You can add Zones to a group.

Before You Begin

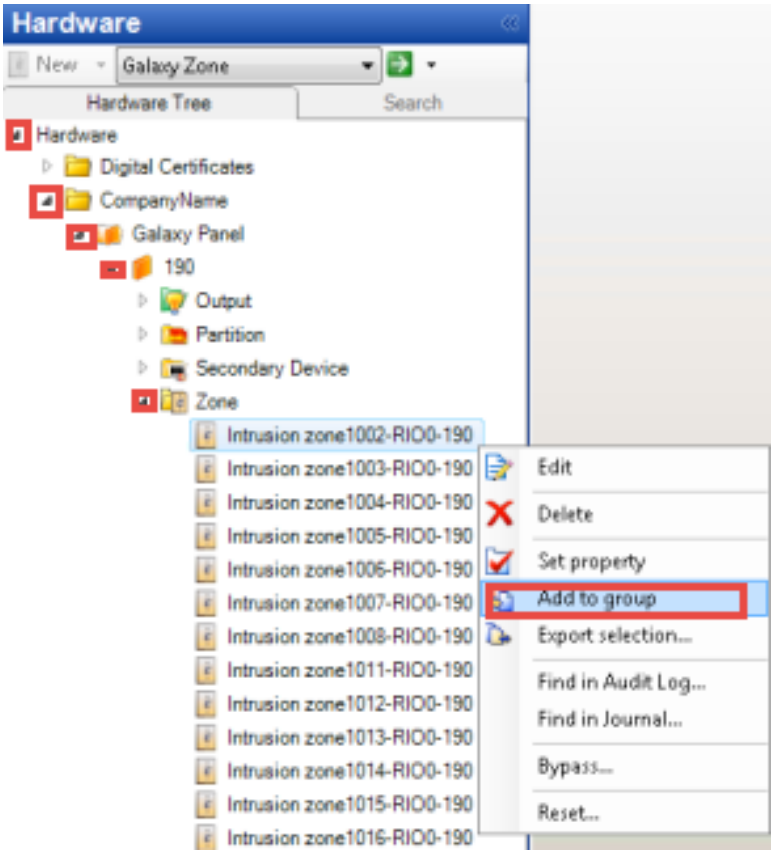
Ensure the following before you add the Galaxy Zone to a group:

- A group with the Group Type as **Galaxy Zone** is created. For more information, see **Group Editor General Tab** in the C•CURE 9000 User Guide.
- The Panel is synchronized and the all the Zones associated with the Panel are available.

To Add Galaxy Zone to a Group from the Hardware Pane

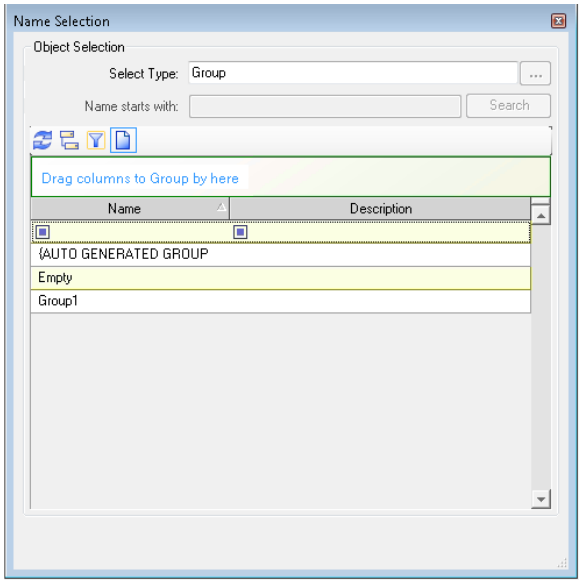
1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder, **Galaxy Panel** folder, and then the **Zone** folder.
   Alternatively, select **Galaxy Zone** from the **Hardware** pane drop-down list and click  to open a Dynamic View showing all Galaxy Zones.
3. Right-click a Galaxy Zone that you want to add to a group and click **Add to Group**.
   A dialog box appears with the list of available groups for the Galaxy Zone.

Figure 22: Adding a Zone to a Group



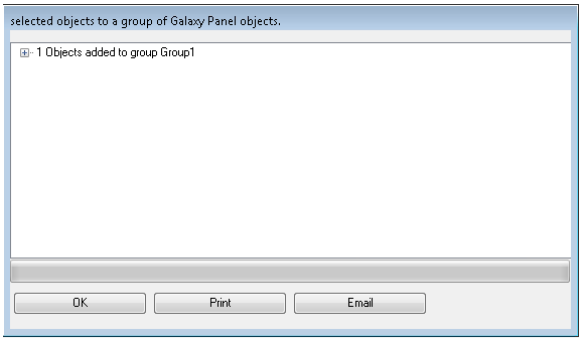
4. Select the group to which you want to add the Galaxy Zone.
   The Zones are added to the selected group.

Figure 23: Galaxy Zone - Add to Group Selection Dialog Box



5. In the **Selected Objects to a Group** dialog box, click **OK** to save and exit.
   (Optional) Click **Print** to print the list or click **Email** to mail the list.

Figure 24: Selected Objects to a Group Dialog Box

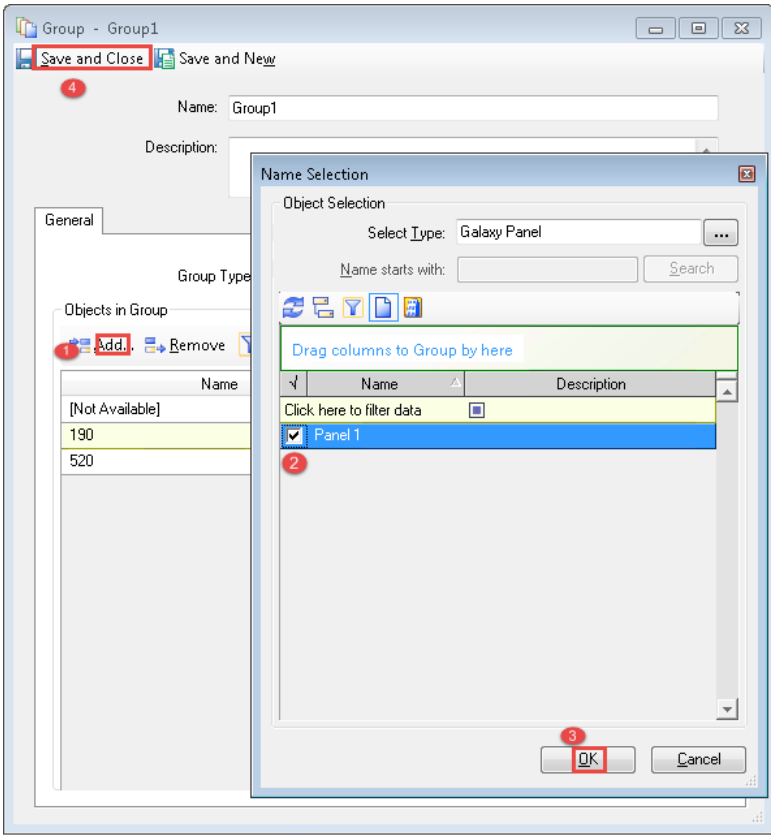


To Add a Galaxy Zone to a Group from the Configuration Pane

1. In the **Configuration** pane, select **Group** from the drop-down list, and then click  to open a Dynamic View showing all Groups.
2. Right-click the Group that you want to associate with the Zone, and click **Edit**.
   The **Group** dialog box opens.
3. Click **Add** in the **Group - General** tab to add a Zone in the Galaxy Zone Group.

   The dialog box appears with a list of existing Zone.
4. Select the check box in the dialog box to add the Galaxy Zone to the group and click **OK**.
   You can add more than one Galaxy Zone to a group.

Figure 25: Adding Galaxy Zone to a Group



The selected Galaxy Zones are added to the Group and is displayed in the **Groups** tab.

5. Click **Save and Close**.

Performing Manual Actions on Galaxy Zone

The following manual actions are available for the Galaxy Zone:

- Bypass: If you want to set the partition, but choose to skip a zone from monitoring, you can use the **Bypass** option. Bypassed Zones will not be monitored. A Zone can be bypassed only while the Partition is unset. Bypassed Zones are automatically canceled, if you unset the partition.
- Reset: If you want to reset the bypassed zone, you can use the **Reset** option to monitor the Zone.

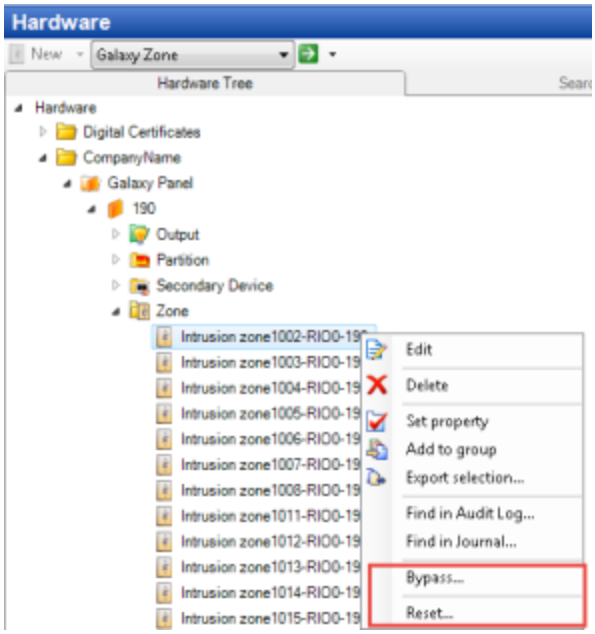
Before You Begin

- Ensure that the Panel is online to perform manual actions.
- Ensure that the Panel is synchronized and all the Zones are available in the Zone folder.

Performing Manual Actions on Galaxy Zone

1. Right-click the Zone for which you want to perform the Manual Action.

Figure 26: Access the Galaxy Zone Manual Actions



2. To bypass the zone, select the **Bypass** and to reset the zone select **Reset**.
   - For the bypass option, the Zone is skipped. The status of the Zone is changed to **Bypassed** and is displayed in the Monitoring Station.
   - For reset, the bypassed Zone is added. The status of the Zone is changed to **Reset** and is displayed in the Monitoring Station.

Troubleshooting Tips

Zone cannot be bypassed.

If you are not able to bypass a zone, check the state in the Panel hardware. If the OMIT state of the panel is **Disabled**, the panel cannot be bypassed. Follow the steps to enable the OMIT state in the panel:

To Enable OMIT State

Use the keypad to type the following in the same sequence:

1. Open Engineering Menu in the Panel.
2. 12345, Ent,Ent,Ent
3. 52 = OMIT, Ent
4. Select Enable

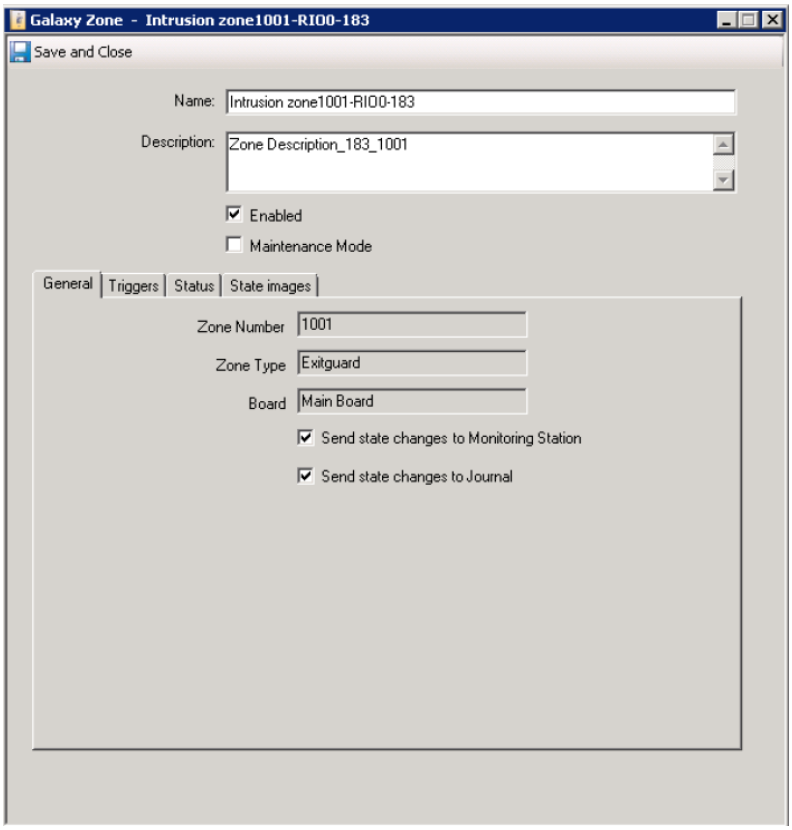
Galaxy Zones Tabs

The following sections provide information about Galaxy Zone tab:

Galaxy Zone - General Tab

The **General** tab on the **Galaxy Zone** window, displays fields like Zone number, Type, Board information and so on.

Figure 27: Galaxy Zone - General Tab



Galaxy Zone - General Tab Definitions

The following table describes the fields on the **Galaxy Zone - General** tab:

Table 11: Galaxy Zone - General Tab

Field	Description
Name	Displays the unique name of the Galaxy Zone. You can modify the name of the zone. Ensure that the name is unique, else an error message is displayed.
Description	Displays a general description about the Galaxy Zone. You can modify the description.
Enabled	Select the check box to establish the communication between C•CURE 9000 and the Galaxy Zone. **Note:** If you cannot establish a connection successfully, check the physical connection between the Galaxy Panel and the server.
Maintenance Mode	Select the Maintenance Mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see, "Maintenance Mode" on page 29.

Galaxy Zone - General Tab (continued)

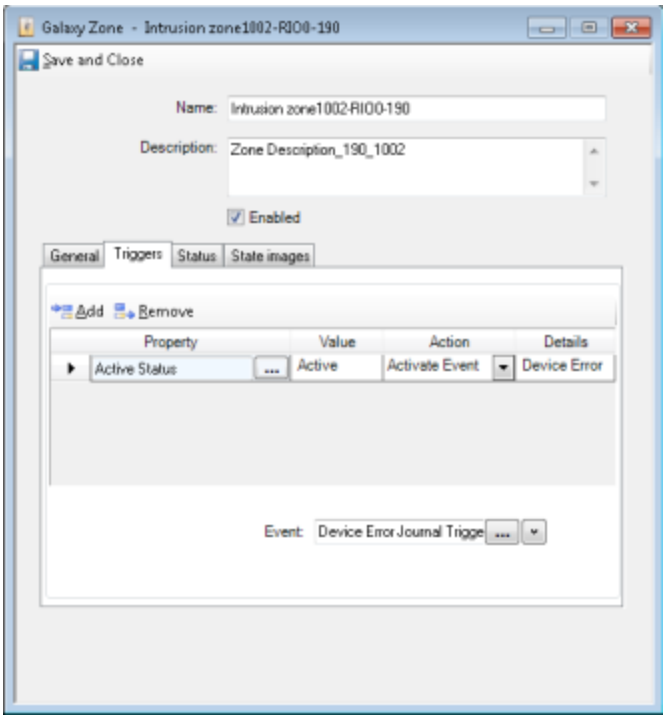
Field	Description
Zone Number	This field is read-only. Displays the Galaxy Zone number. The zone number is auto generated during Panel synchronization.
Zone Type	This field is read-only. Displays the type of Zone selected.
Board	This field is read-only. Displays the Board name. Board can be either main or secondary device.
Send to Monitoring Station	Select this check box to send the state changes made on the Zone to the Monitoring Station.
Send to Journal	Select this check box to add state change messages to the Journal.

Galaxy Zone - Triggers Tab

The Triggers tab is used to configure triggers to activate events. Triggers are used by C•CURE 9000 to activate specific actions when a particular predefined condition occurs.

For example: When the hardware status of the Zone changes to **Faulted**, then you can trigger a configured event.

Figure 28: Galaxy Zone - Triggers Tab



Galaxy Zone - Triggers Tab Definitions

The following table describes the fields on the **Galaxy Zone - Triggers** tab:

Table 12: Galaxy Zone - Triggers Tab

Field	Description
Add	Click **Add** in the Triggers tab to create a new trigger.
Remove	Click **Remove** in the Triggers tab to delete a **new trigger**.
Property	Click in the **Property** column and then click ... . The **Property** browser opens displaying properties available for the controller. Click a property to select it and add it to the column. For more information about the available properties, see Table 13 on Page 68

Galaxy Zone - Triggers Tab (continued)

Field	Description
Value	Value indicates the condition for triggering a particular action. For information on available values, see Table 13 on Page 68 For example: When the status of the Hardware is **Fault**, you can trigger or activate an event. Click in the **Value** column to display a drop-down list of values associated with the property that you have selected. Click a value you want to include as a parameter for the trigger to assign it to the column.
Action	Refers to the action that needs to be performed when the condition occurs. Currently, only **Activate Event** is available. Click in the **Action** column to display a drop-down list of valid actions. Click the action that you want to include as a parameter for the trigger to add it to the column.
Details	Displays details about how the action was configured.
Event	Click  . and select the event to be activated for the trigger.

The following table describes the Galaxy Zone **Triggers Property** fields:

Table 13: Galaxy Zone - Triggers Property

Field	Description
Active Status	The status of the zone. The following options are available: • Active • Inactive • Disabled
Alarm Status	The status of the alarm. The following options are available: • Alarm • AlarmRestore
Hardware Status	The status of the hardware. • Closed • Open • Short Circuit • Low Resistance • Masked • Faulted • Open circuit • High Resistance

Galaxy Zone - Triggers Property (continued)

Field	Description
Supervision Status	The following options are available: • Zone Masked • Zone Faulted • Zone supervision Fail • Bypass • Suspended • Soak Test • Reset • Closed Loop • Open Loop • Trouble • Tamper • Soak Test and Omitted

Galaxy Zone - Triggers Tasks

Defining Triggers for a Zone

Defining Triggers for an Zone

1. In the Navigation Pane of the Administration Station, click **Hardware** to open the **Hardware** pane.
2. Expand the **Company Name** folder, **Galaxy Panel** folder and then expand the **Zone** folder.

   Alternatively, select **Galaxy Zone** from the **Hardware** pane drop-down list and click  to open a Dynamic View showing all Galaxy Zones.
3. Right-click the Galaxy Zone and click **Edit.**
4. Select **Triggers** tab in the **Galaxy Zone** Editor.
5. Click **Add** in the **Triggers** tab to add a new trigger.
6. Click in the **Property** column and click  to select a property for the trigger.
7. Click in the **Value** column to display a list of values associated with the property that you have selected. Click a value that you want to include as a parameter for the trigger. See Galaxy Zone - Triggers Property on Page 68.
8. Click in the **Action** column to display a drop-down list of valid actions.

   Currently only **Activate Event** is available. When you select an action, the lower pane in the **Triggers** dialog box displays an **Event** field to define the action details.
9. Click  to open an **Event** dialog box. Select an event that you want to associate with the trigger. After you define the action details, the **Details** column displays information about how the action is configured.
10. Click **Save and Close**.

Removing a Trigger for Galaxy Zone

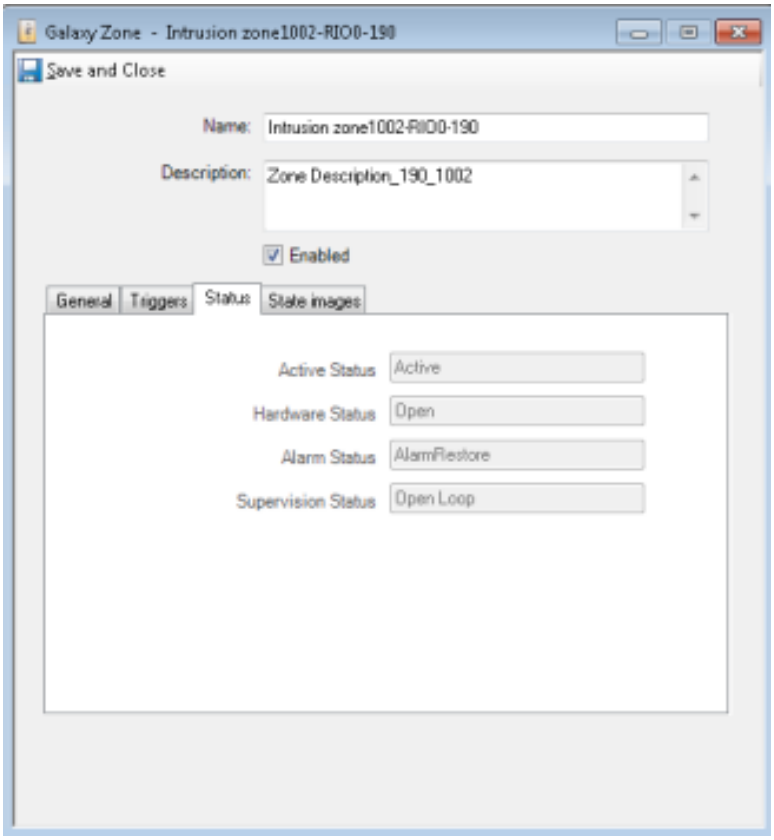
To Remove a Trigger

1. From the **Galaxy Zone**, go to the **Triggers** tab.
2. Use  to select the row in the **Triggers** tab for the trigger you want to remove.
3. Click **Remove**.
4. Click **Save and Close**.

Galaxy Zone - Status Tab

The **Status** tab in the **Galaxy Zone** Editor lists the dynamic status of the Galaxy Zone. The **Status** tab provides critical information about the status of the selected Galaxy Zone.

Figure 29: Galaxy Zone - Status Tab



Galaxy Zone - Status Tab Definitions

The following table describes fields in the **Galaxy Zone - Status** tab:

Table 14: Galaxy Zone - Status Tab

Dynamic Status	Description
Active Status	Displays the status of the zone. The following statuses are displayed: • Active • Inactive

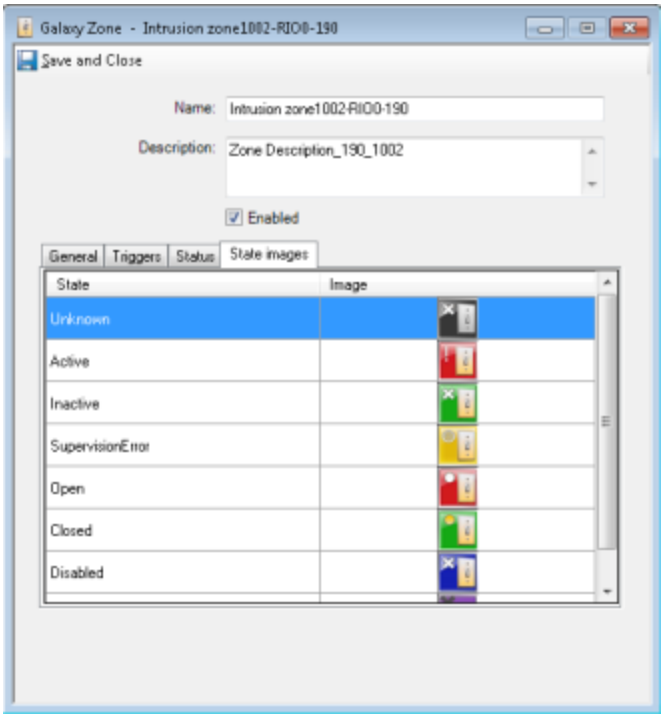
Galaxy Zone - Status Tab (continued)

Dynamic Status	Description
Hardware Status	Displays the status of the hardware. The following statuses are displayed: • Closed • Open • Short Circuit • Low Resistance • Masked • Faulted • Open circuit • High resistance
Alarm Status	Displays the current alarm status of the Galaxy Zone. The following statuses are displayed: • Normal • Alarm
Supervision Status	Displays the supervision status of the Galaxy Zone. The following statuses are displayed: • close • loop • open loop • tamper • trouble • zone masked • zone faulted • bypass • suspended • soak test • reset

Galaxy Zone - State Images Tab

The **State Images** tab in the **Galaxy Zone** editor displays the list of images that indicate state of the **Galaxy Zone**. You can use this tab to either change or restore the default images.

Figure 30: Galaxy Zone - State Images Tab



Galaxy Zone - State Images Tab Definitions

The following table describes the fields in the **Galaxy Zone - State Image** tab:

Table 15: Galaxy Zone- State Image Tab

Images	Descriptions
Unknown	Indicates that the state of the zone is unknown
Active	Indicates that the Zone is active
InActive	Indicates that the Zone is inactive
Supervision Error	Indicates that the Zone has Supervision error
Open	Indicates that the Zone is open
Closed	Indicates that the Zone is close
Disabled	Indicates that the Zone is disabled
Bypass	Indicates that the Zone is bypassed

For the Galaxy Zone, state images on the Monitoring Station display according to the priority of:

1. Disabled

2. Alarm
3. Bypass
4. Active/Inactive
5. Supervision Status
6. Open/Closed
7. Unknown

Galaxy Zone - State Image Tab Tasks

The **State Images** tab lists the images that are displayed in the Monitoring Station to represent the activities of the Zone. You can select other images and restore the default image.

Customizing State Images for Galaxy Zone

Customizing State Images

1. To change an image, double-click the default image. A Windows file selection dialog box opens.
2. Select the desired replacement image, and then click **Open**. The new image replaces the default image and is displayed in the **State Images** tab.
3. Click **Save and Close.**

After customizing the state images, you can view the status in the Monitoring Station.

Restoring the Default Image

1. To restore the default image, right-click the image and select **Restore Default**.
2. Click **Save and Close.**

6

Galaxy Partition

This chapter provides instructions to create and configure Galaxy Partition and to use the available tabs like General, Triggers, Zone Assignments, Status, and State Images.

This chapter covers

Galaxy Partition Overview

Partition is a group of Zones. You can use the Galaxy Keypad to assign one or more Galaxy Zones to a Partition .

All the Galaxy Partitions associated with the Panel are available in the Hardware tree after the Panel is synchronized. You can set or unset a Partition but cannot create a new Partition.

Note: Any change you make on the Partition using the C•CURE 9000 application will reflect in the Galaxy Panel.

For more information see the following sections:

- "Galaxy Partition Tabs" on page 85
- "Galaxy Partition Tasks" on the facing page

Galaxy Partition Tasks

This section provides instructions to perform the following tasks:

- Accessing a Configured Galaxy Partition on Page 77
- Deleting a Galaxy Partition on Page 78
- Adding Galaxy Partition to a Group on Page 79
- Set and Unset a Partition from the Monitoring Station on Page 83
- Accessing Galaxy Partition Manual Action on Page 82

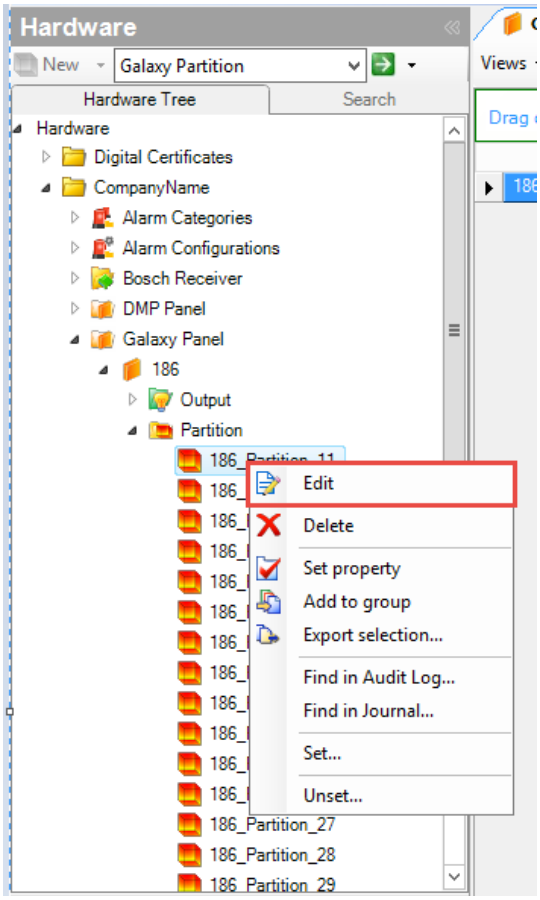
Accessing a Configured Galaxy Partition

To Access a Configured Galaxy Partition

1. In the Navigation pane of the C•CURE 9000 Administration Station, click **Hardware**.
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder, **Galaxy Panel** folder, and then the expand the **Partition** folder.
3. In the **Partition** folder, right-click the Galaxy Partition that you want to access and click **Edit**.

   Alternatively, select **Galaxy Partition** from the **Hardware** pane drop-down list and, then click  to open a Dynamic View showing all Galaxy Partitions.

Figure 31: Hardware Tree



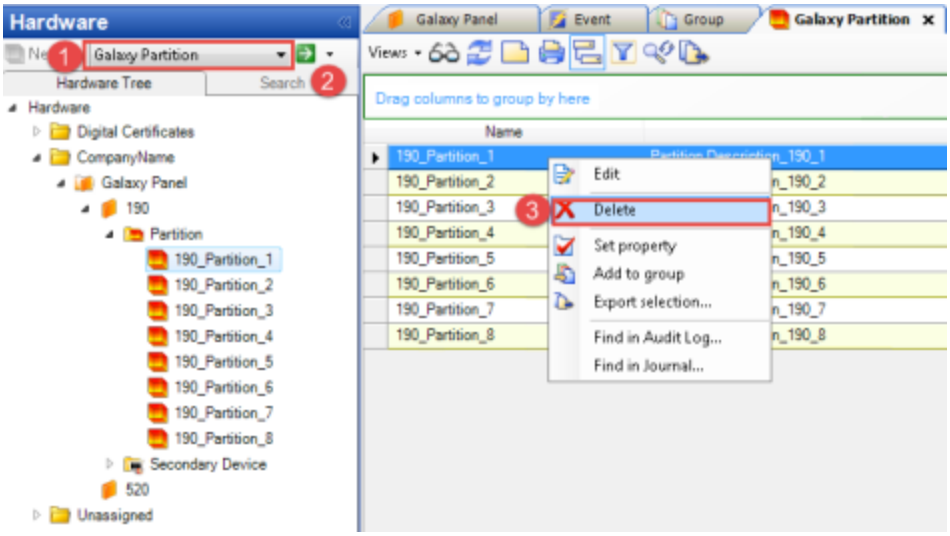
The **Galaxy Partition** dialog box opens.

Deleting a Galaxy Partition

To Delete a Galaxy Partition from the Dynamic View

1. In the **Navigation** pane of the Administration Station, click **Hardware** to open the Hardware pane.
2. Select **Galaxy Partition** from the **Hardware** pane drop-down list.
3. Click  to open a Dynamic View showing all Galaxy Partitions.

Figure 32: Galaxy Partition Dynamic View

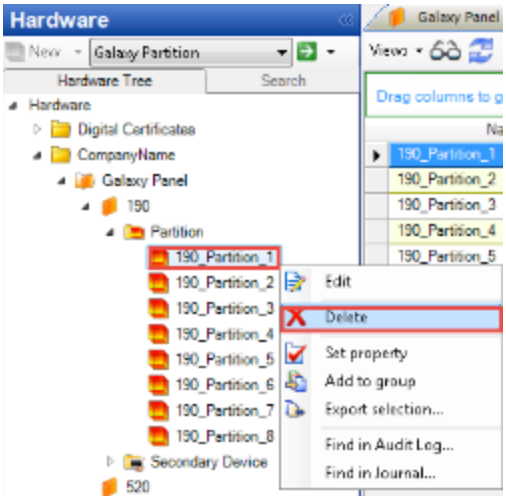


4. Right-click the Galaxy Partition that you want to delete and click **Delete**.
5. The message, **'Are you sure you want to delete the selected Galaxy Partition object?'** appears. Click **Yes** to delete the Galaxy Panel.

To Delete a Galaxy Partition from the Hardware Pane

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder, the **Galaxy Panel** folder and then expand the **Partition** folder.
3. Right-click a **Galaxy Partition** that you want to delete and click **Delete.**

Figure 33: Hardware Tree



Adding Galaxy Partition to a Group

Groups are created in the **Configuration** pane and are used for organizing C•CURE 9000objects. You can add Partitions to a group and perform manual actions for all the Panels at a time.

Before You Begin

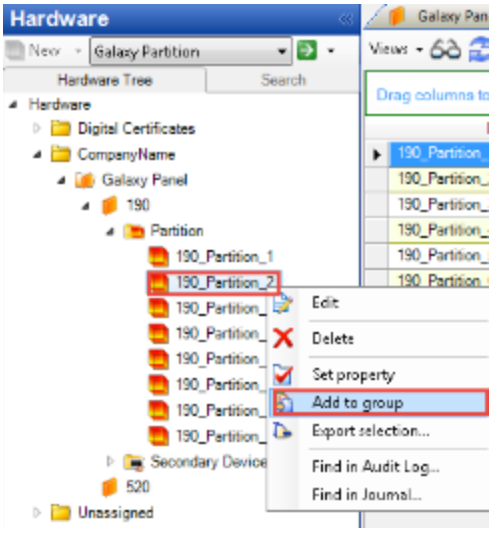
Ensure the following, before you add the Galaxy Partition to a group:

- A group with the Group Type as **Galaxy Partition** is created. For more information, see **Group Editor General Tab** in the C•CURE 9000 User Guide.
- The Panel is synchronized and all the Partitions associated with the Panel are available.

Adding Galaxy Partition to a Group from the Hardware Pane

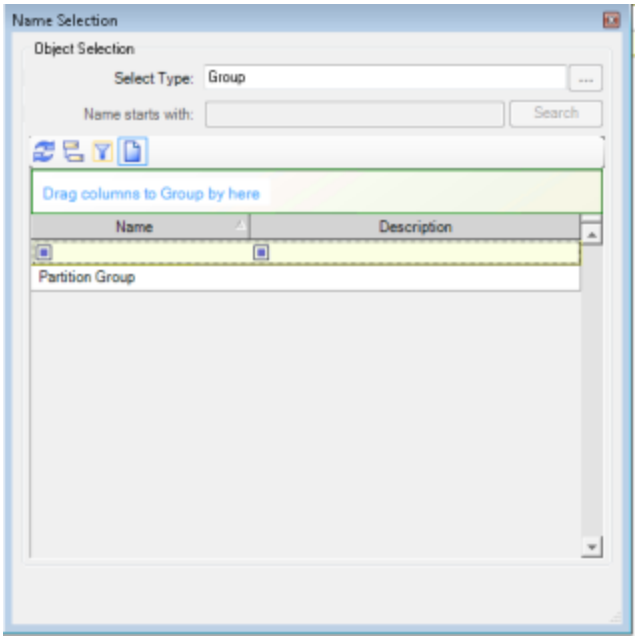
1. In the **Navigation** pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder, the **Galaxy Panel** folder, and then the expand the **Partition** folder.
   Alternatively, select **Galaxy Partition** from the **Hardware** pane drop-down list and click  to open a Dynamic View showing all Galaxy Partitions.
3. Right-click a **Galaxy Partition** that you want to add to a group and select **Add to Group**.
   A dialog box appears with a list of available groups for the Galaxy Partition.

Figure 34: Accessing the Galaxy Partition - Add to Group



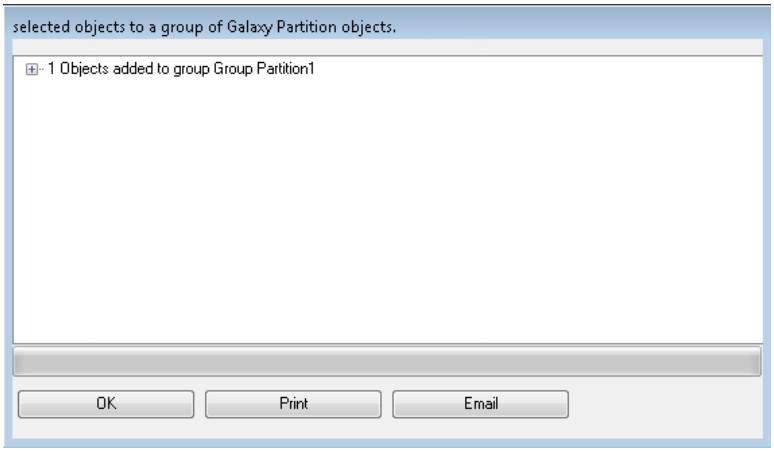
4. Select the group to which you want to add the Galaxy Partition.
   The Partition is added to the selected group.

Figure 35: Galaxy Partition - Add to Group Selection Dialog Box



5. In the **Selected Objects to a Group** dialog box, click **OK** to save and exit.
   (Optional). Click **Print** to print the list or click **Email** to mail the list.

Figure 36: Selected Objects to a Group Dialog Box

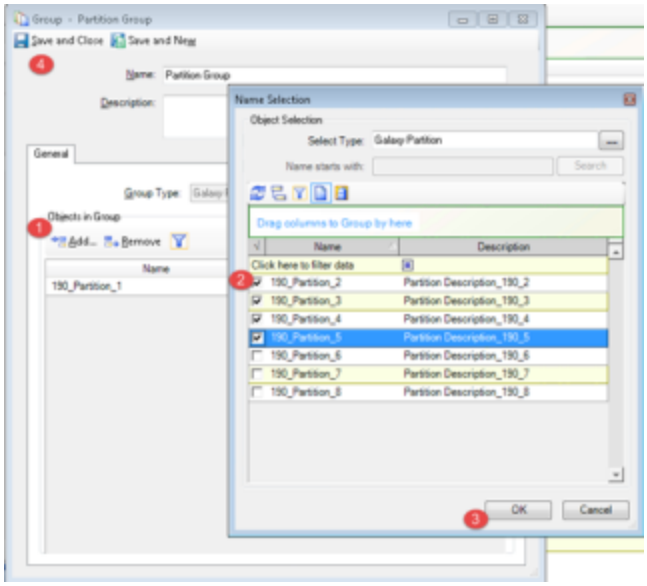


To Add a Galaxy Partition to a Group from the Configuration Pane

1. In the **Configuration** pane, select **Group** from the drop-down list, and then click  to open a Dynamic View showing all Groups.
2. Right-click the Group that you want to associate with the Partition and click **Edit**.
   The **Group** dialog box opens.
3. In the **Group - General** tab, click **Add**.

   The dialog box appears with a list of existing Partitions.
4. Select the check box in the dialog box and click **OK**.
   You can add more than one Galaxy Partition to a group.

Figure 37: Adding Galaxy Partitions to a Group



The selected Galaxy Partitions are added to the Group and is displayed in the **Groups** tab.

5. Click **Save and Close**.

Accessing Galaxy Partition Manual Action

The following manual actions are available for the Galaxy Partition:

- Set: Sets the selected Partition. You can set all Partitions when you are away or only the perimeter. When you are inside you can choose to set the perimeter or exterior.
- Unset: Unsets the set Partition.

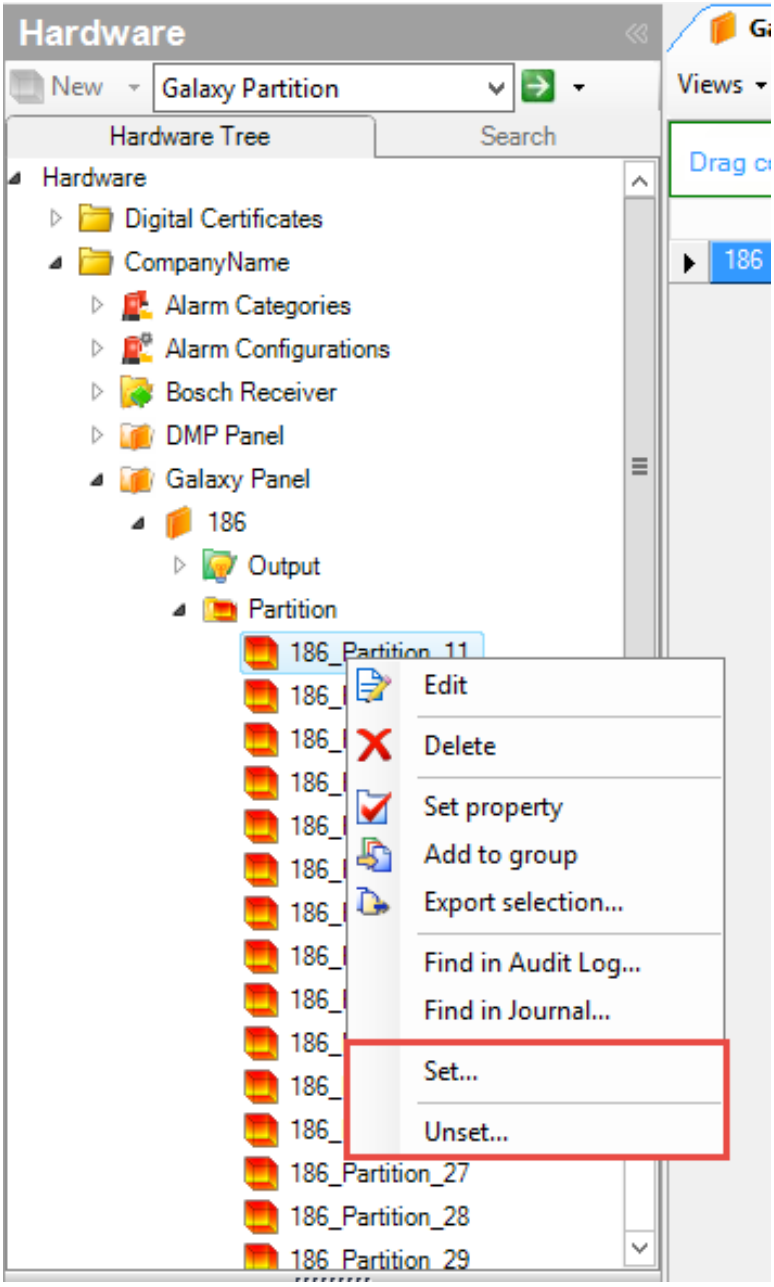
Before you begin ensure the following:

- The Galaxy Panel is online.
- The Galaxy Panel has successfully synchronized.

Accessing the Galaxy Partition Manual Actions

1. Right-click the Partition for which you want to perform the manual action.

Figure 38: Access the Galaxy Partition Manual Actions



2. To set the Partition select the **Set** option and to unset the Partition select **Unset** option.
   - For Set, the selected Partition is set and the status is displayed in the Monitoring Station.
   - For Unset, selected Partition is unset and the status is displayed in the Monitoring Station.

Set and Unset a Partition from the Monitoring Station

To Set or Unset a Partition from the Monitoring Station Maps

1. Click **Maps** on **Non Hardware Status** panel. **Status List-Maps** dialog opens.
2. Select a **Map**.
3. Right-click the **Map**. Select **Popup view**. **Map** opens.

4. Right-click the **Partition** and select either **Set** or **Unset**.

To Set and Unset a Partition from the Monitoring Station Dynamic View

1. Click **Dynamic View** on **Non Hardware Status** panel. **Status List-Dynamic Views** dialog opens.
2. Select a **Dynamic View**.
3. Right-click the **Dynamic View**. Select **Popup view**, **Dynamic View** opens.
4. Right-click a Galaxy Partition Dynamic View and select either **Set** or **Unset**.

To Set and Unset a Partition from the Monitoring Station Event Messages

1. Select the **Message** from **Partition**.
2. Right-click the **Message**. Select **Set** or **Unset**.

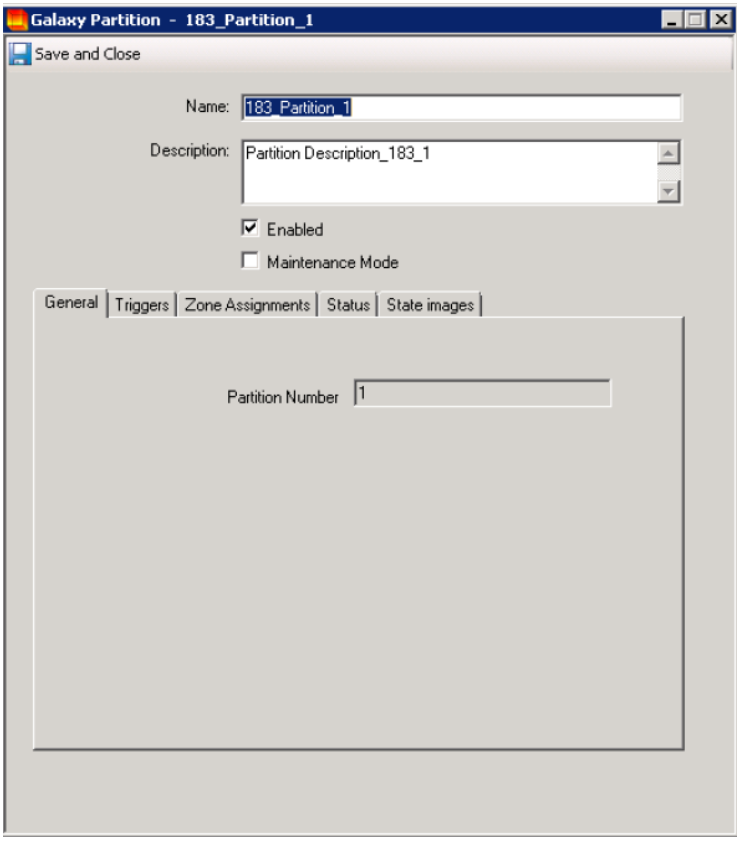
Galaxy Partition Tabs

This section provides information about the following tabs:

Galaxy Partition - General Tab

Use the **General** tab in Galaxy Partition to view the Galaxy Partition Number.

Figure 39: Galaxy Partition- General Tab



Galaxy Partition - General Tab Definitions

The following table describes the fields in the **Galaxy Partition** - **General** tab.

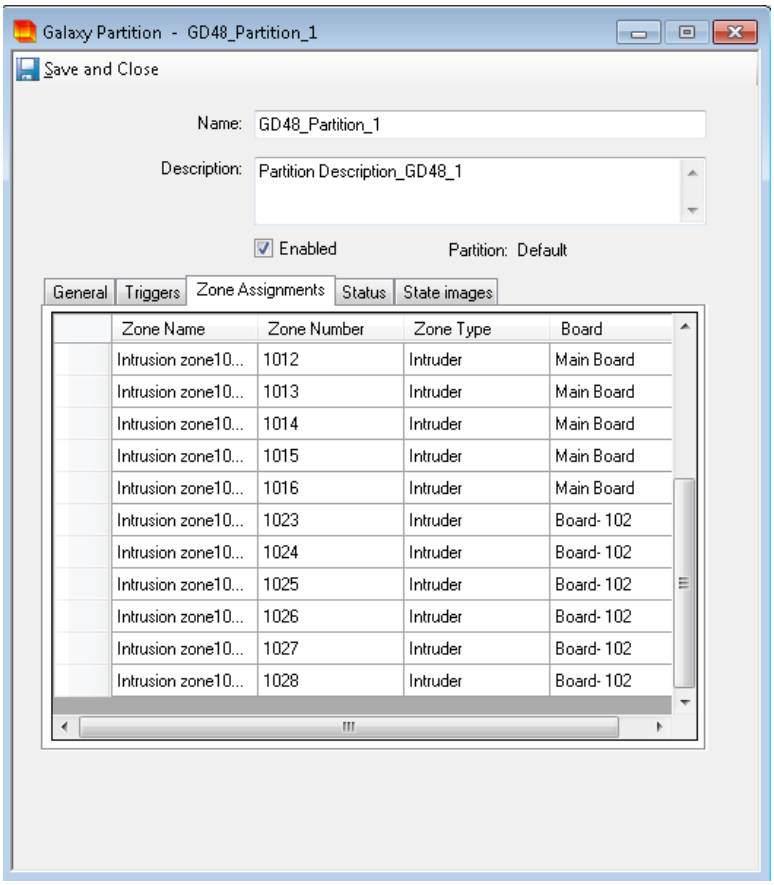
Table 16: Galaxy Partition - General Tab

Fields	Descriptions
Name	Displays the unique name of the Partition. You can modify the name of the Partition. NOTE: Ensure that the name is unique, else an error message is displayed.
Description	Displays the general description about the Partition. You can modify the description.
Enabled	Select the check box to establish the communication between C•CURE 9000 and the Galaxy Partition.
Maintenance Mode	Select the Maintenance Mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see, "Maintenance Mode" on page 29.
Partition Number	This field is read-only. Displays the number of the Partition. The number is auto generated when the Panel is synchronized.

Galaxy Partition - Zone Assignments Tab

The**Zone Assignments** tab in the **Galaxy Partition** editor displays the list of Zones associated with the Partition.

Figure 40: Galaxy Partition - Inputs Tab



Galaxy Partition - Zone Assignments Definitions

The following table describes all the fields present in the **Zone Assignments** tab of the **Galaxy Partition** editor:

Table 17: Galaxy Partition - Zone Assignments Tab

Fields	Descriptions
Name	Displays the unique name of the Partition. You can modify the name of the Partition. Ensure the name is unique, else an error message is displayed.
Description	Displays the general description about the Partition. You can modify the description.
Zone Name	This field is read-only. Displays the name of the zone that is associated with the Partition.
Zone Number	This field is read-only. Displays the number of the zone that is associated with the Partition.

Galaxy Partition - Zone Assignments Tab (continued)

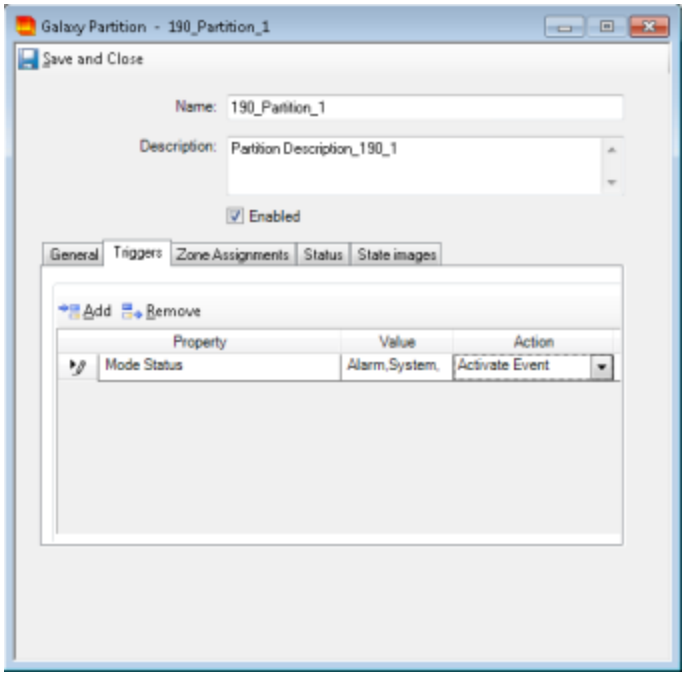
Fields	Descriptions
Zone Type	This field is read-only. Displays the type of the zone that is associated with the Partition.
Board	This field is read-only. Displays the board that is associated with the Partition.

Galaxy Partition- Triggers Tab

Use the **Triggers** Tab on the **Galaxy Partition** editor to trigger custom actions based on status change. Triggers are used by C•CURE 9000 to activate specific actions when a particular predefined condition occurs.

For example: When the Mode status of the Partition changes to **Alarm Tamper**, then you can trigger a configured event.

Figure 41: Galaxy Partition - Triggers Tab



Galaxy Partition - Triggers Tab Definitions

The following describes the fields in the **Galaxy Partition** - **Triggers** tab:

Table 18: Galaxy Partition - Triggers Tab

Field	Description
Add	Click **Add**to create a new trigger.
Remove	Click **Remove** to delete a new trigger.
Property	Click in the **Property** column and then click ... . The **Property** browser opens displaying properties available for the controller. Click a property to select it and add it to the column. Following Property is the available for Partition: Mode Status
Value	Click in the **Value** column to display a drop-down list of values associated with the property that you have selected. Click a value you that want to include as a parameter for the trigger to assign it to the column.
Action	Click in the **Action** column to display a drop-down list of valid actions. Click the action that you want to include as a parameter for the trigger to add it to the column. The possible action configuration is Activate Event.

Galaxy Partition - Triggers Tab (continued)

Field	Description
Details	Displays details about how the event is configured.
Event	Click ... to open a list of available events. Select the event that you want to associate with the trigger. The selected event is displayed in the **Details** field.

Galaxy Partition - Triggers Tab Tasks

Defining a Trigger for Galaxy Partition

The Panel must be configured and synchronized before you define a trigger.

Defining a Trigger for a Galaxy Partition

1. In the **Galaxy Panel**, click the **Triggers** tab.
2. Click **Add** in the **Triggers** tab to add a new trigger.
3. Click ... in the **Property** column to open the **Galaxy Partition** dialog box showing all the properties available for the Panel.
4. Click a property to select and add to the **Property** column.
5. Click in the **Value** column and select the valid value from the drop-down list. See Galaxy Partition - Triggers Tab Definitions on Page 89
6. Click in the **Action** column to display a drop-down list of valid actions.

   Currently only **Activate Event** is available. When you select an action, the lower pane in the **Triggers** dialog box displays an **Event** field to define the action details.
7. Click ... to open an **Event** dialog box. Select an event that you want to associate with the trigger. After you define the action details, the **Details** column displays information about how the action has been configured.
8. Click **Save and Close** to save the Partition with the configured trigger and exit.

Removing a Trigger for Galaxy Partition

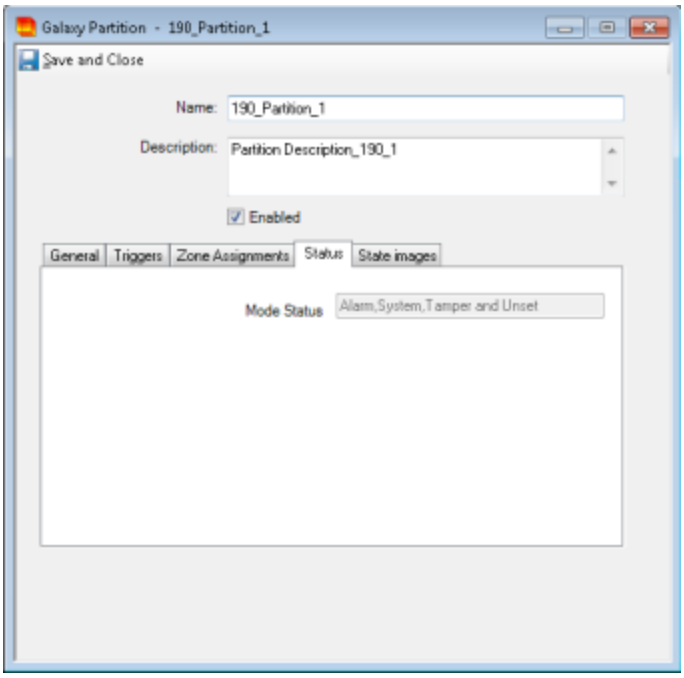
To Remove a Trigger

1. From the **Galaxy Partition**, go to the **Triggers** tab.
2. Use  to select the row in the **Triggers** tab for the trigger you want to remove.
3. Click **Remove**.
4. Click **Save and Close**.

Galaxy Partition - Status Tab

The **Status** tab on the **Galaxy Partition** editor provides read-only status information about the Galaxy Partition.

Figure 42: Galaxy Partition - Status Tab



Galaxy Partition - Status Tab Definitions

The following table describes the fields in the **Galaxy Partition - Status** tab.

Table 19: Galaxy Partition - Status Tab

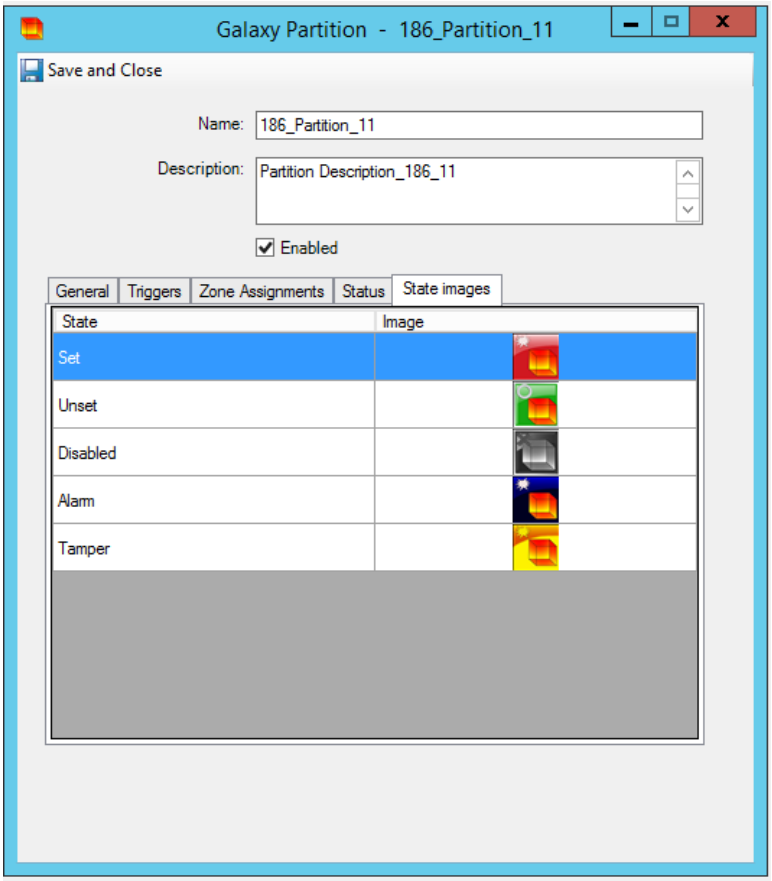
Fields	Descriptions
Mode Status	Displays the Mode Status of the Partition.

Note: For more information about Values for Mode Status, see C•CURE 9000-Galaxy Integration Journal Messages.

Galaxy Partition - State Images Tab

The **State Images** tab in the **Galaxy Partition** editor displays the list of images that indicate state of the Galaxy Secondary Devices. You can use this tab to change the default images.

Figure 43: Galaxy Partition - State Images Tab



Galaxy Partition - State Images Definitions

The following table describes the fields in the **Galaxy Partition** - **Status** tab:

Table 20: Galaxy Partition - State Image Tab

Images	Descriptions
Set	The state indicates that the Partition is set
Unset	The state indicates that the Partition is unset
Disabled	The state indicates that the Partition is disabled
Alarm	The state indicates that the Partition has alarm
Tamper	The state indicates that the Partition is tampered

For the Galaxy Partition, state images on the Monitoring Station display according to the priority of:

1. Set

2. Tamper
3. Alarm
4. Unset

Galaxy Partition State Images Tasks

The **State Images** tab lists the images that are displayed in the Monitoring Station to represent the activities of the Partition. You can select other images and restore the default image.

Customizing Galaxy Partition State Images

To Customize Galaxy Partition State Images

1. To change an image, double-click the default image. A Windows file selection dialog box opens.
2. Select the desired replacement image, and then click **Open**. The new image replaces the default image and is displayed in the **State Images** tab.
3. Click **Save and Close.**

After customizing the state images, you can view the status in the Monitoring Station.

Restoring the Default Image

1. To restore the default image, right-click the image and select **Restore Default**.
2. Click **Save and Close.**

7

Galaxy Output

This chapter provides instructions to create and configure Galaxy Outputs and to use the available tabs like General, Groups, Status and State Images.

This chapter covers

Galaxy Output Overview

The Output object associates an event or input to a relay on the Galaxy Panel. The relay then activates or deactivates devices such as the alarm devices.

The following sections provide more information about using Galaxy Output.

Galaxy Output Tasks

This section provides instructions to perform the following tasks:

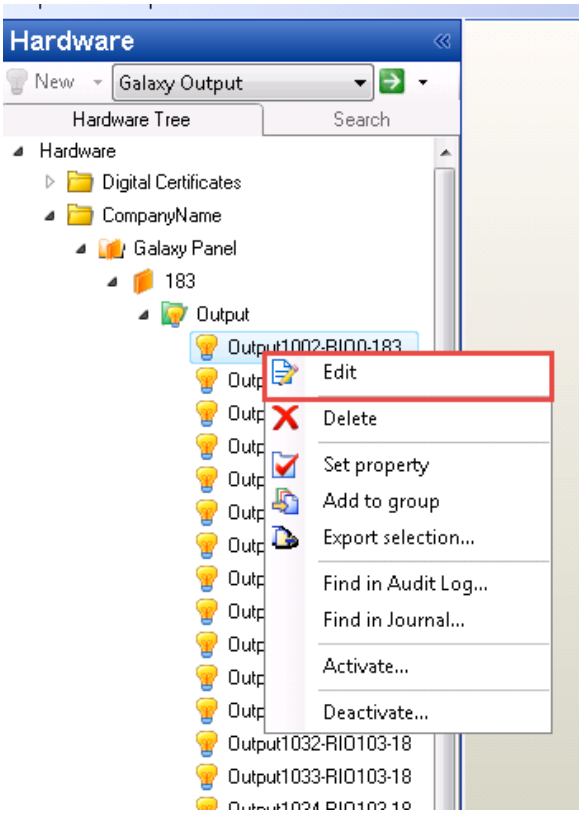
- Accessing a Configured Galaxy Output on Page 96
- Deleting a Galaxy Output on Page 97
- Adding Galaxy Output to a Group on Page 98
- Accessing Galaxy Partition Manual Action on Page 82

Accessing a Configured Galaxy Output

1. In the Navigation pane of the C•CURE 9000 Administration Station, click **Hardware**. The **Hardware** pane opens.
2. Expand the **CompanyName** folder, **Galaxy Panel** folder, and then expand the **Output** folder.
3. Right-click the Galaxy Output that you want to access and click **Edit**.

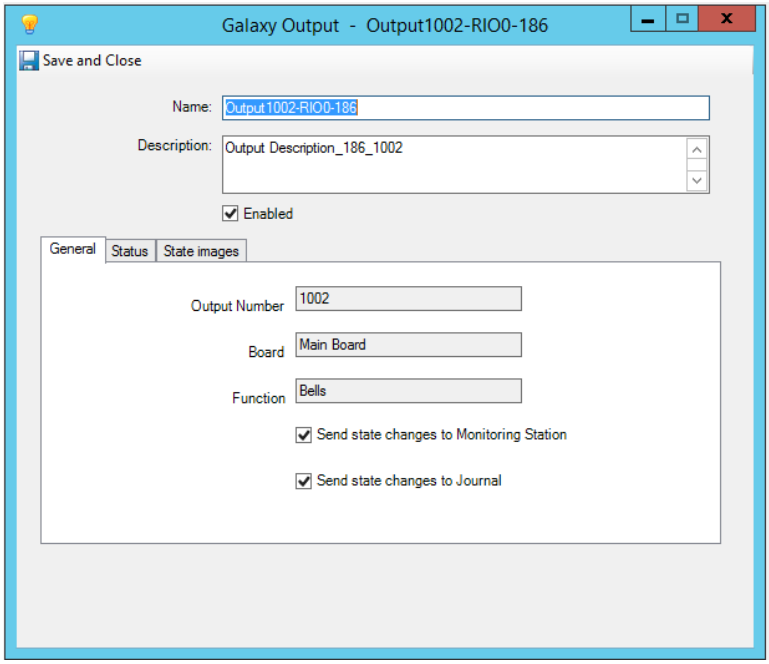
   Alternatively, select **Galaxy Output** from the **Hardware** pane drop-down list and, then click  to open a Dynamic View showing all Galaxy Outputs.

Figure 44: Hardware Tree



The **Galaxy Output** Editor opens.

Figure 45: Galaxy Output - General Tab

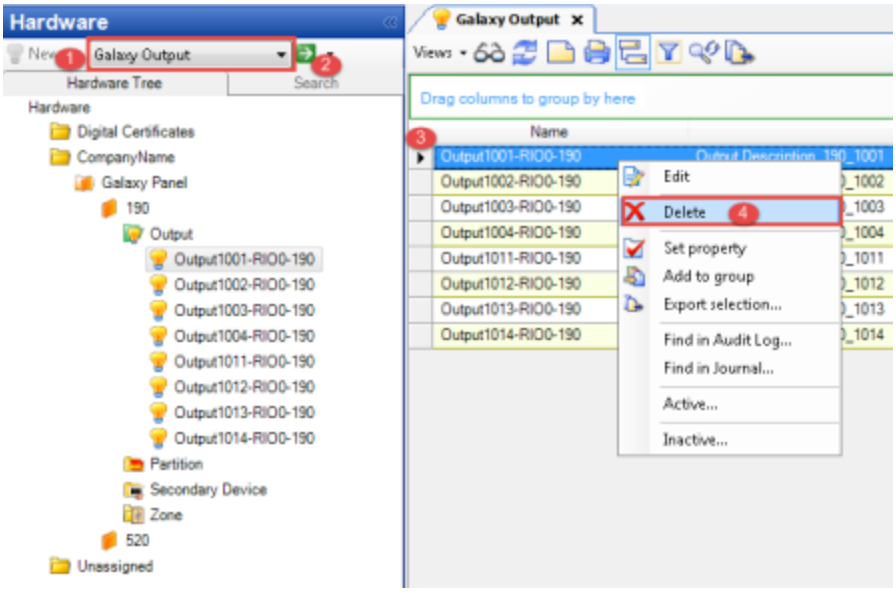


Deleting a Galaxy Output

To Delete a Galaxy Output from the Dynamic View

1. In the Navigation pane of the Administration Station, click **Hardware** to open the Hardware pane.
2. Select **Galaxy Output** from the **Hardware** pane drop-down list.
3. Click  to open a Dynamic View showing all Galaxy Outputs.

Figure 46: Galaxy Output Dynamic View



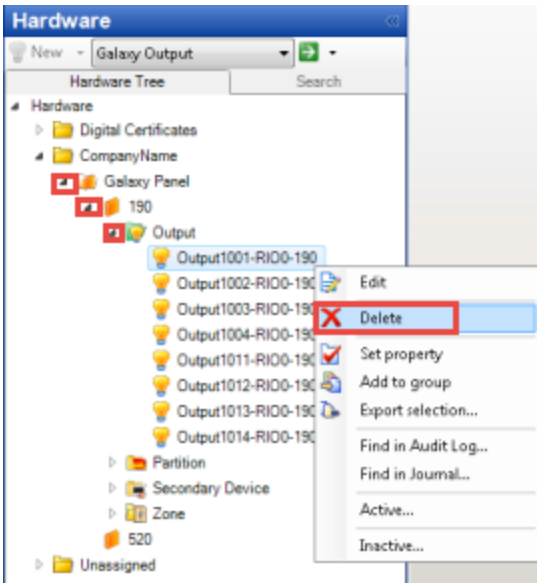
4. Right-click the Galaxy Output in the list that you want to delete and click **Delete**.
   Alternatively, right-click the Galaxy Output from the **Hardware** pane and select **Delete**.

5. The message, **'Are you sure you want to delete the selected Galaxy Output object?'** appears. Click **Yes** to delete the Galaxy Panel.

To Delete a Galaxy Output from the Hardware Pane

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder, the **Galaxy Panel** folder and then the **Galaxy Output** folder.
3. Right-click a **Galaxy** Output that you want to delete and click **Delete**.

Figure 47: Hardware Tree



Adding Galaxy Output to a Group

Groups are created in the **Configuration** pane and are used for organizing C•CURE 9000 objects. You can add Outputs to a group.

Before You Begin

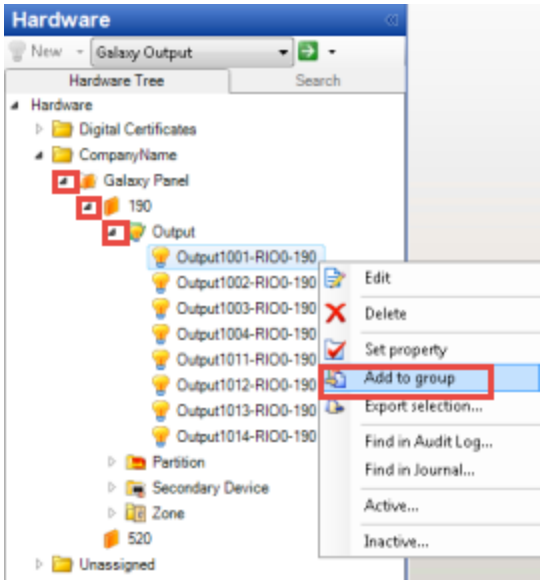
Ensure the following, before you add the Galaxy Output to a group:

- A group with the Group Type as **Galaxy Output** is created.
  For more information, see ***Group Editor General Tab*** *in the C•CURE 9000 User Guide.*
- The Panel is synchronized and the all the Outputs associated with the Panel are available.

To Add Galaxy Output to a Group from the Hardware Pane

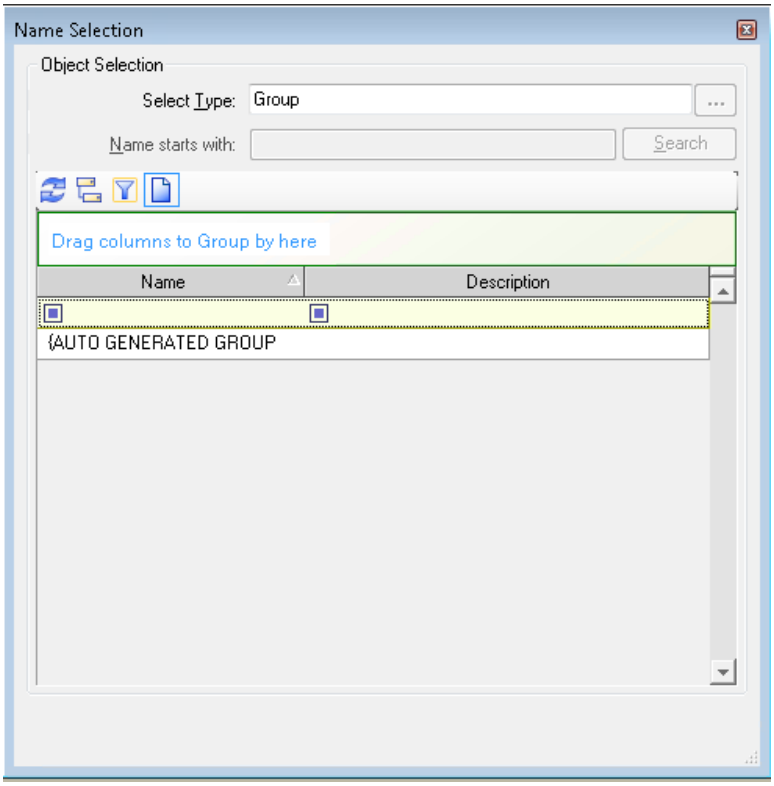
1. In the **Navigation** pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. Expand the **CompanyName** folder, the **Galaxy Panel** folder and then the **Output** folder.
   Alternatively, select **Galaxy Output** from the **Hardware** pane drop-down list and click  to open a Dynamic View showing all Galaxy Outputs.
3. Right-click a Galaxy Output that you want to add to a group and click **Add** to a group.
   A dialog box appears with the list of available groups for the Galaxy Output.

Figure 48: Accessing the Galaxy Output - Add to Group



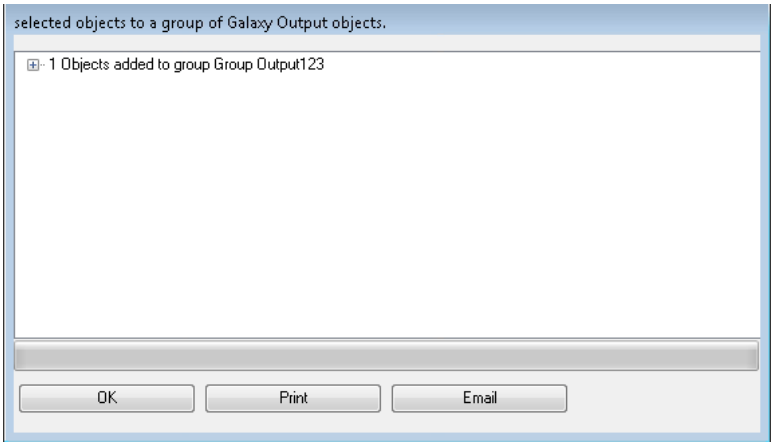
4. Select the group to which you want to add the Galaxy Output.
   The Output is added to the selected group.

Figure 49: Galaxy Output - Add to Group Selection Dialog Box



5. In the **Selected Objects to a Group** dialog box, click **OK** to save and exit.
   (Optional) Click **Print** to print the list or click **Email** to mail the list.

Figure 50: Selected Objects to a Group Dialog Box

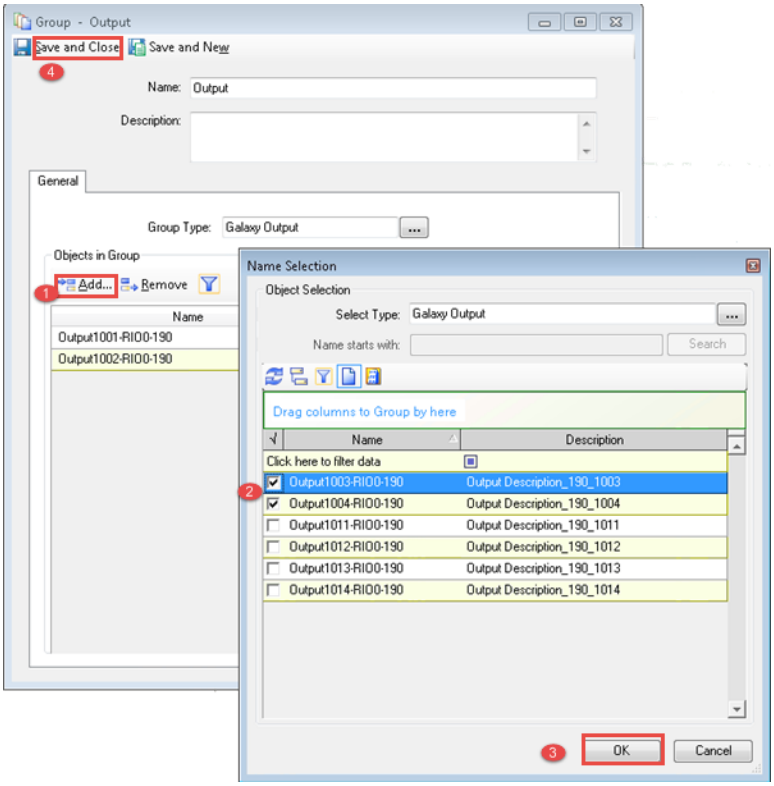


To Add a Galaxy Output to a Group from the Configuration Pane

1. In the **Configuration** pane, select **Group** from the drop-down list, and then click  to open a Dynamic View showing all Group.
2. Right-click the Group that you want to associate with the Output, and click **Edit**.
   The **Group** dialog box opens.
3. In the **Group - General** tab, click **Add**.

   The dialog box appears with a list of existing Outputs.
4. Select the check box to add the Galaxy Output to the group and click **OK**.
   You can add more than one Galaxy Output to a group.

Figure 51: Adding Galaxy Outputs to a Group



The selected Galaxy Outputs are added to the Group and is displayed in the **Groups** tab.

5. Click **Save and Close** .

Accessing Galaxy Output Manual Action

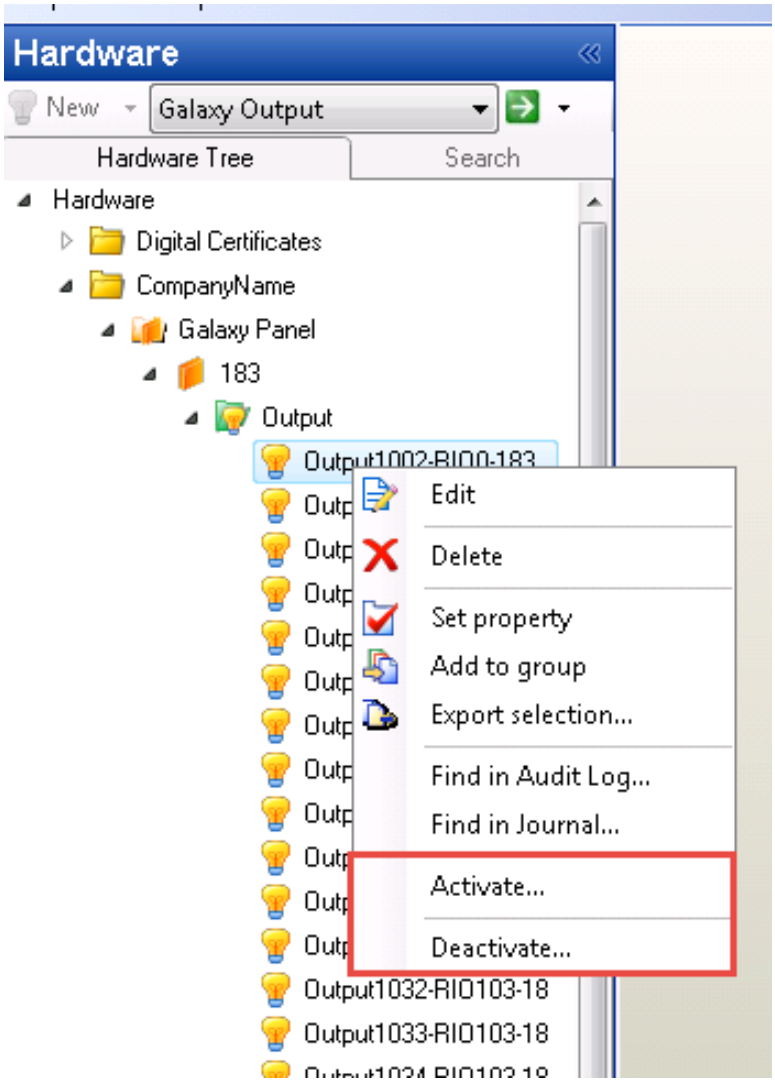
The following manual actions are available in the Output:

- Activate: You can activate an Output in the Panel.
- Deactivate: You can deactivate an Output in the Panel.

To Access the Galaxy Output Manual Action

1. Right-click the Output for which you want to perform the manual action.

Figure 52: Access the Galaxy Output Manual Actions



2. To activate the output, select the **Activate** option and to deactivate the output select **Deactivate** option.
   - For Activate, the selected Output is activated and messages are displayed in the Monitoring Station.
   - For Deactivate, the selected Output is deactivated and messages are displayed in the Monitoring Station.

Galaxy Output Tabs

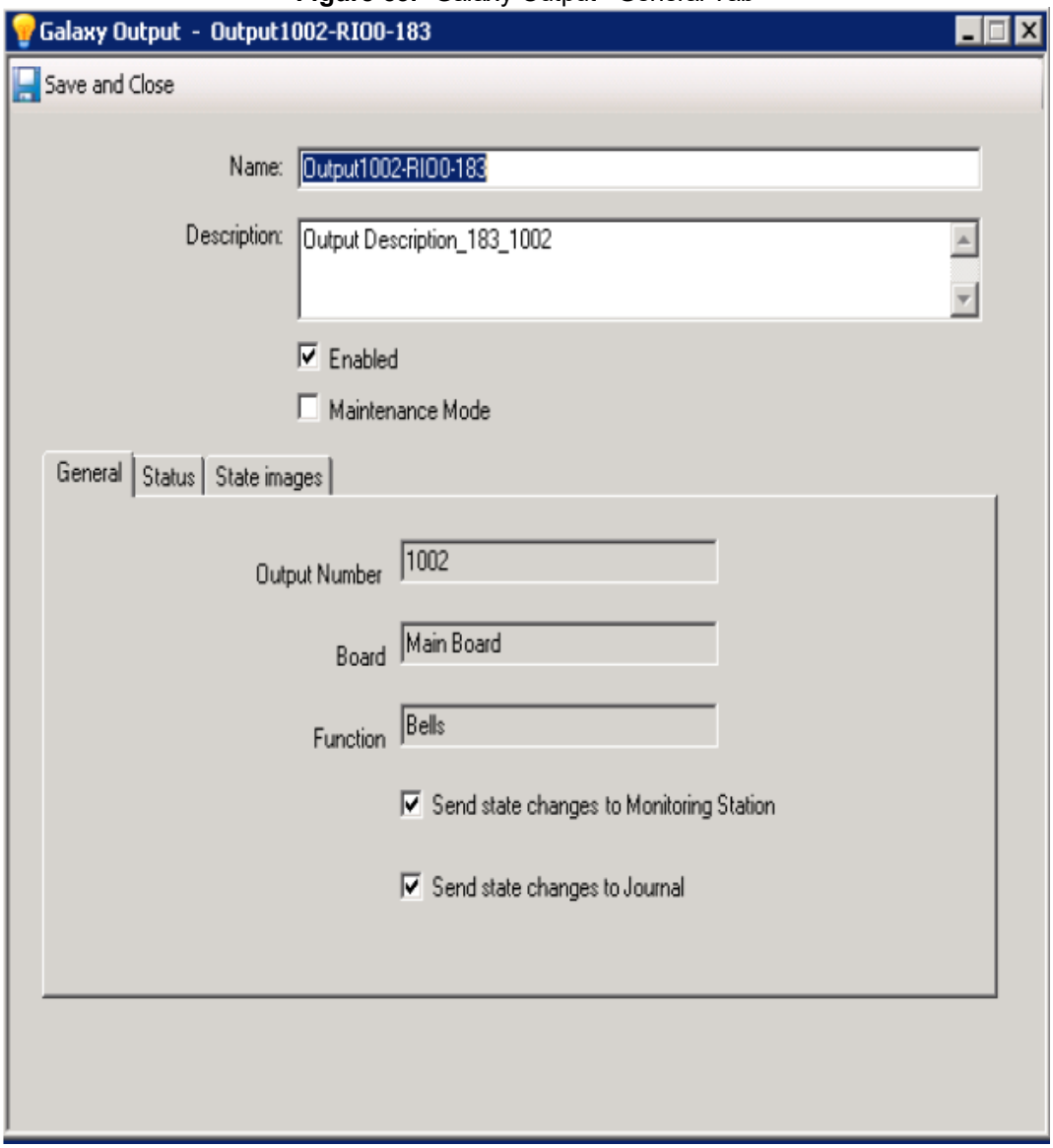
This section provides information about the following tabs:

- Galaxy Output - General Tab on Page 104
- Galaxy Output - Status Tab on Page 106
- Galaxy Output - State Images Tab on Page 107

Galaxy Output - General Tab

The **General** tab in the **Galaxy Output** editor displays information that is used to identify an Output. The fields displayed on the general tab are read-only.

Figure 53: Galaxy Output - General Tab



Galaxy Output - General Tab Definitions

The following table describes the fields in the **Galaxy Output - General** tab:

Table 21: Galaxy Output - General Tab

Fields	Descriptions
Name	Displays the name of the Galaxy Output. You can modify the name of the output. Ensure the name is unique, else an error message is displayed.
Description	Displays a general description about the Galaxy Output. You can modify the description of the output.

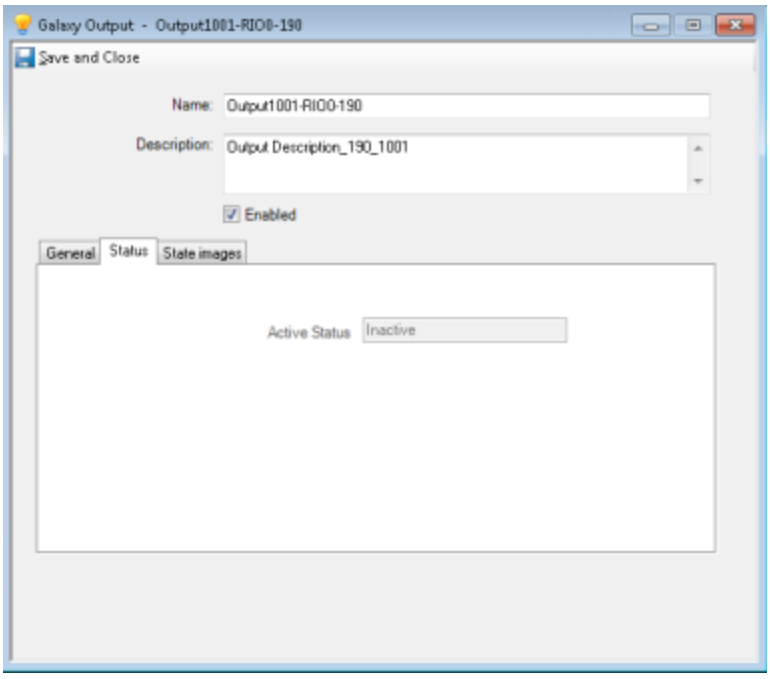
Galaxy Output - General Tab (continued)

Fields	Descriptions
Enabled	Select the check box to establish the communication between C•CURE 9000 and the Galaxy output. **Note:** If you cannot establish a connection successfully, check the physical connection between the Galaxy output and the server.
Maintenance Mode	Select the Maintenance Mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see, "Maintenance Mode" on page 29.
Output Number	This field is read-only. Displays the Galaxy Output number. The output number is auto generated during Panel synchronization.
Output Type	This field is read-only. Displays the type of Output selected.
Board	This field is read-only. Displays the Board name. Board can be either main or secondary device.
Send state changes to Monitoring Station	Select the check box to send state changes made on the Output to the Monitoring Station.
Send state changes to Journal.	Select the check box to add state change messages to the Journal.

Galaxy Output - Status Tab

The **Status** tab in the **Galaxy Output** editor displays the Dynamic Status of the Galaxy Outputs.

Figure 54: Galaxy Output - Status Tab



Galaxy Output - Status Tab Definitions

The following table describes the fields on the **Galaxy Output - Status** tab:

Table 22: Galaxy Output - Status Tab

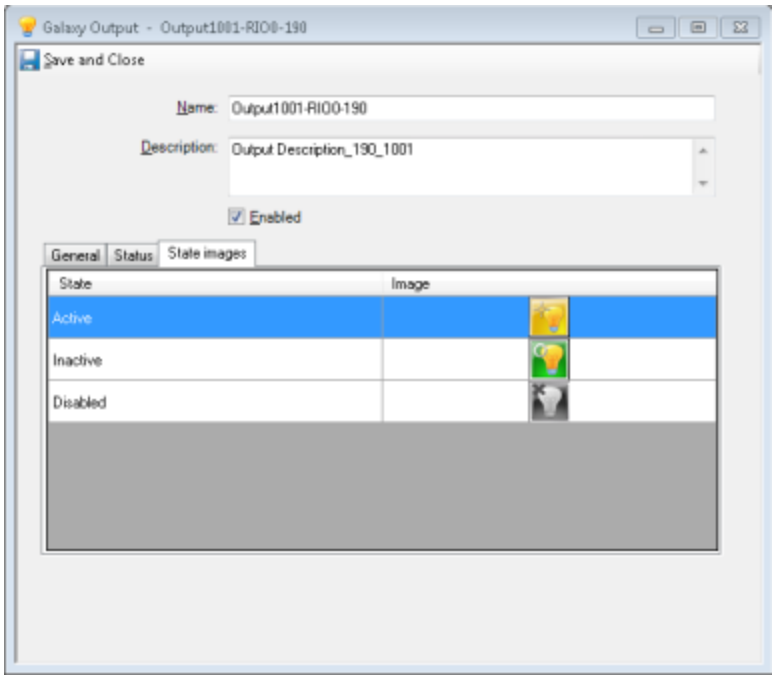
Active Status	Description
Unknown	The Output is unknown.
Active	The Output is active.
Inactive	The Output is in inactive state.
Disabled	The Output is disabled.

These fields are read-only.

Galaxy Output - State Images Tab

The **State Images** tab in **Galaxy Output** editor displays the list of images that indicate state of the **Galaxy Output**. You can use this tab to change the default images.

Figure 55: Galaxy Output - State Images Tab



For the Galaxy Output, state images on the Monitoring Station display according to the priority of:

1. Active
2. Inactive
3. Disabled

Customizing Galaxy Output State Images

The **State Images** tab lists the images that are displayed in the Monitoring Station to represent the activities of the Output. You can use the **State Images** tab to select other images and restore the default image.

To Customize Galaxy Output State Images

1. To change an image, double-click the default image. A Windows file selection dialog box opens.
2. Select the desired replacement image, and then click **Open**. The new image replaces the default image and is displayed in the **State Images** tab.
3. Click **Save and Close.**

After customizing the state images, you can view the status in the Monitoring Station.

Restoring the Default Image

1. To restore the default image, right-click the image and select **Restore Default**.
2. Click **Save and Close.**

8

Galaxy Secondary Devices

This chapter describes the secondary devices that can be connected to a Galaxy Panel and provides instructions how to use the available tabs like Zones, Outputs, Status and State Images.

This chapter covers

Galaxy Secondary Devices Overview

You can connect the following secondary devices to the Galaxy Panel:

- Remote Input Output (RIO)

Each RIO supports eight Inputs and four Outputs.

The following sections provide more information about using Galaxy Panel.

- Galaxy Secondary Devices Tasks on Page 110
- Galaxy Secondary Devices Tasks on Page 110

Galaxy Secondary Devices Tabs

The following sections provide more information about each Galaxy Secondary Devices tab and how to use it.

- Galaxy Secondary Devices - General Tab on Page 116
- Galaxy Secondary Devices - Zone Tab on Page 117
- Galaxy Secondary Devices - Output Tab on Page 118
- Galaxy Secondary Devices - Status Tab on Page 119
- Galaxy Secondary Devices - State Images Tab on Page 120

Galaxy Secondary Devices Tasks

The following sections provide instruction on performing these tasks.

- Accessing a Configured Galaxy Secondary Devices on Page 110
- Deleting a Galaxy Secondary Devices on Page 111
- Adding Galaxy Secondary Device to a Group on Page 112
- Customizing Galaxy Secondary Device State Images on Page 120

Galaxy Secondary Devices Tasks

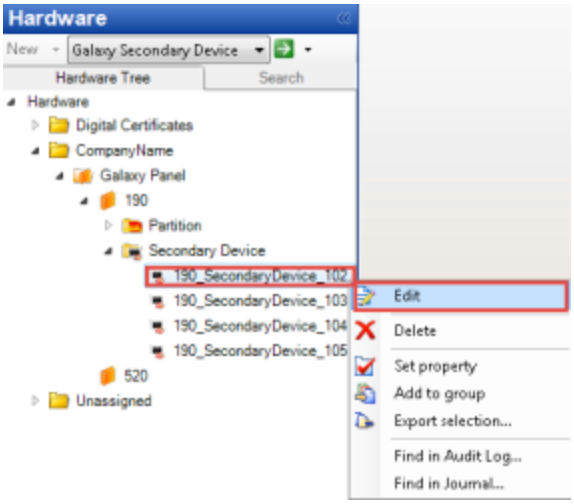
The following sections provide instruction on performing these tasks.

Accessing a Configured Galaxy Secondary Devices

1. In the **Navigation** pane of the C•CURE 9000 Administration Station, click **Hardware**.
2. In the **Hardware** pane, expand the **CompanyName** folder and then the **Secondary Device** folder.
3. In the **Secondary Device** folder, right-click the Secondary Device that you want to access and select **Edit**.

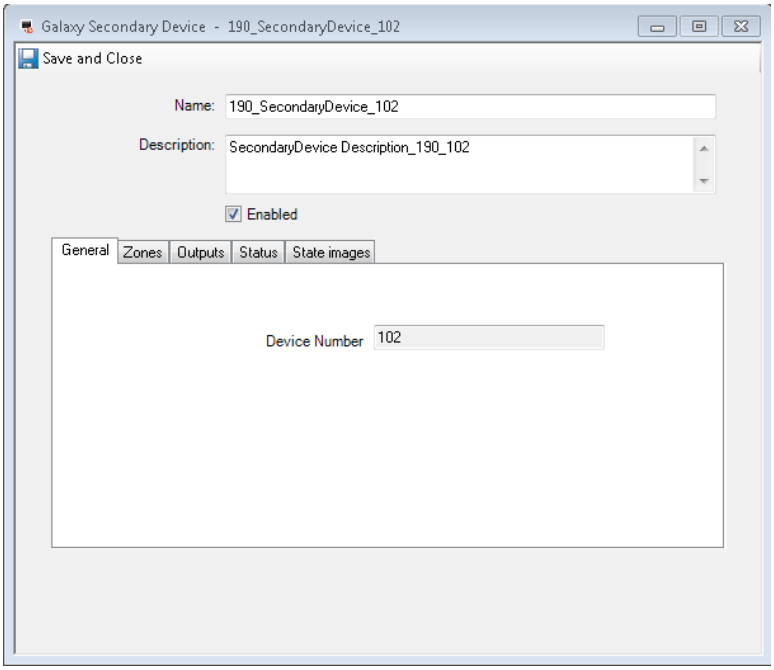
   Alternatively, select **Galaxy Secondary Device** from the **Hardware** pane drop-down list and, then click  to open a Dynamic View showing all Galaxy **Secondary Devices.**

Figure 56: Hardware Tree



4. The **Galaxy Secondary Device** opens in the **General** tab.

Figure 57: Galaxy Secondary Device - General Tab



What to do Next

You can do the following:

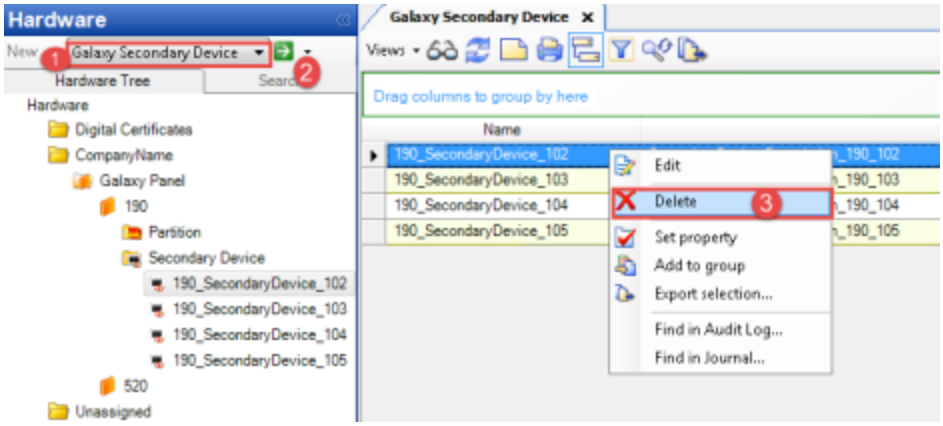
- Add a Secondary Devices to a Group. See Adding Galaxy Secondary Device to a Group on Page 112
- Delete the Secondary Device. See Deleting a Galaxy Secondary Devices on Page 111
- Customize the State Images. See Galaxy Zone - Triggers Tasks on Page 69

Deleting a Galaxy Secondary Devices

To Delete a Galaxy Secondary Device from the Dynamic View

1. In the Navigation pane of the Administration Station, click **Hardware** to open the Hardware pane.
2. Select **Galaxy Secondary Device** from the **Hardware** pane drop-down list.
3. Click  to open a Dynamic View showing all Galaxy **Secondary Device**.

Figure 58: Galaxy Secondary Device- Dynamic View

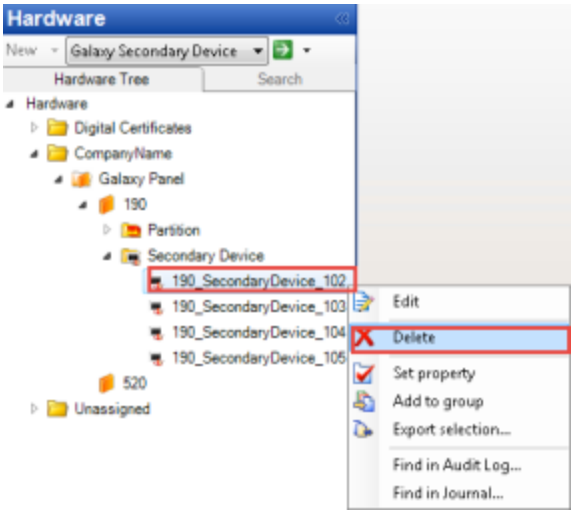


4. Right-click the Secondary Device in the list that you want to delete and click **Delete**.
   Alternatively, right-click the Galaxy Secondary Device from the **Hardware** pane and click **Delete**.
5. The message, **Are you sure you want to delete the selected Galaxy Secondary Device object?** appears. Click **Yes** in the message box to delete the Galaxy Secondary Device.

To Delete a Galaxy Secondary Device from the Hardware Pane

1. In the Navigation pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. In the **Hardware** pane, expand the **Company Name** folder, the **Galaxy Panel** folder and then the **Secondary Device** folder.
3. Right-click a **Secondary Device** that you want to delete and click **Delete**.

Figure 59: Hardware Pane



Adding Galaxy Secondary Device to a Group

Groups are used for organizing C•CURE 9000 objects and are created in the **Configuration** pane. You can add secondary devices to a group.

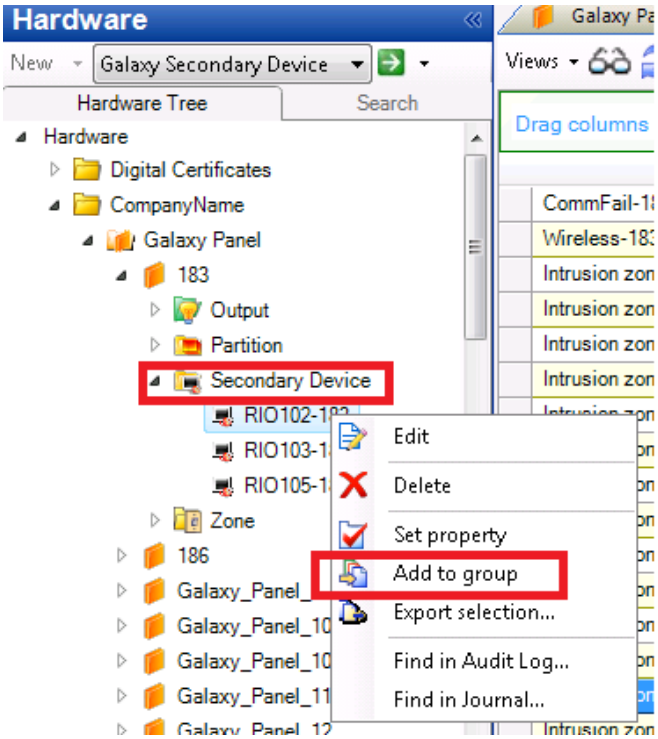
Ensure the following, before you add the Galaxy Secondary Device to a group:

- A group with the Group Type as **Galaxy Secondary Device** is created. For more information, see *Group Editor General Tab* in the *C•CURE 9000 User Guide.*
- The Panel is synchronized and all the Secondary Devices associated with the Panel are available.

To Add Galaxy Secondary Device to a Group from the Hardware Pane

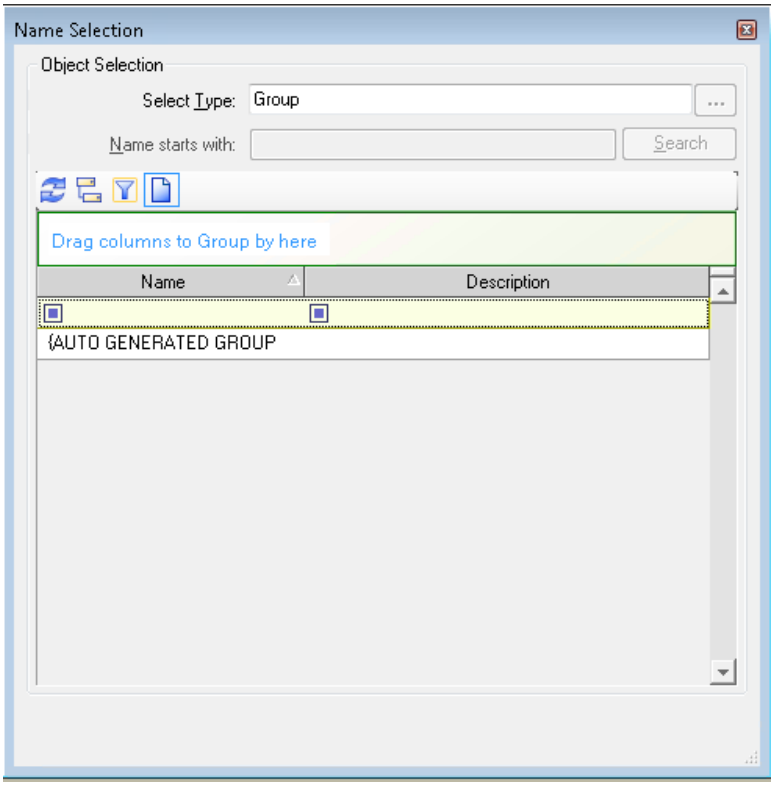
1. In the **Navigation** pane of the Administration Workstation, click **Hardware.**
   The **Hardware** pane opens.
2. In the **Hardware** pane, expand the **CompanyName** folder and then the **Galaxy Secondary Device** folder.
   Alternatively, select **Galaxy Secondary Device** from the **Hardware** pane drop-down list and click to open a Dynamic View showing all Galaxy **Secondary Device.**
3. Right-click a Galaxy Secondary Device that you want to add to a group and select **Add to Group**.
   A dialog box appears with the list of available groups for the Galaxy Secondary Device.

Figure 60: Accessing the Galaxy Secondary Device - Add to Group



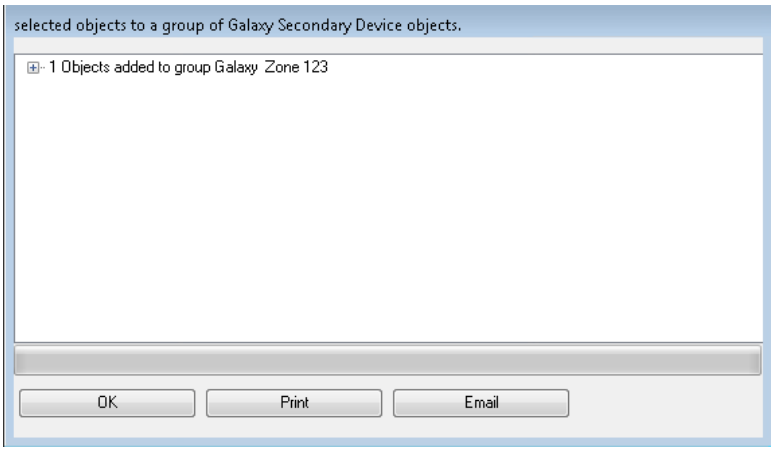
4. Select the group to which you want to add the Galaxy Secondary Device.
   The Secondary Device is added to the selected group.

Figure 61: Galaxy Secondary Devices - Add to Group Selection Dialog Box



5. In the **Selected Objects to a Group** dialog box, click **OK** to save and exit.
   (Optional) Click **Print** to print the list or click **Email** to mail the list.

Figure 62: Selected Objects to a Group Dialog Box



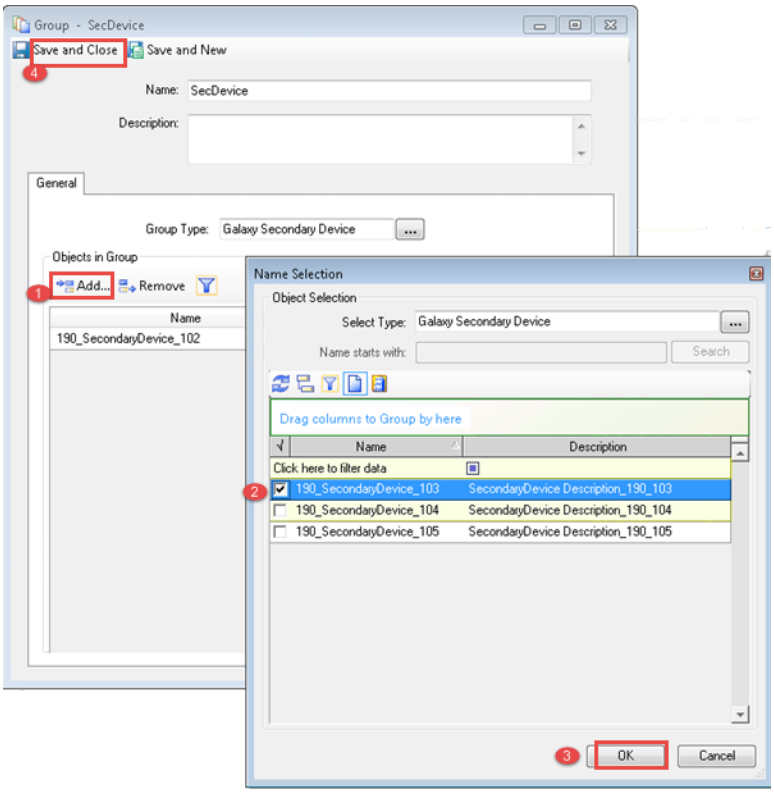
To Add a Galaxy Secondary Device to a Group from the Configuration Pane

1. In the **Configuration** pane, select **Group** from the drop-down list, and then click  to open a Dynamic View showing all Groups.
2. Right-click the Group that you want to associate with the Secondary Device, and click **Edit**.
   The **Group** dialog box opens.
3. Click **Add** in the **Group - General** tab to add a Secondary Devices to a group.

   The dialog box appears with a list of existing Secondary Devices.

4. Select the check box in the dialog box and click **OK**.
   You can add more than one Galaxy Secondary Device to a group.

Figure 63: Adding Galaxy Secondary Device to a Group



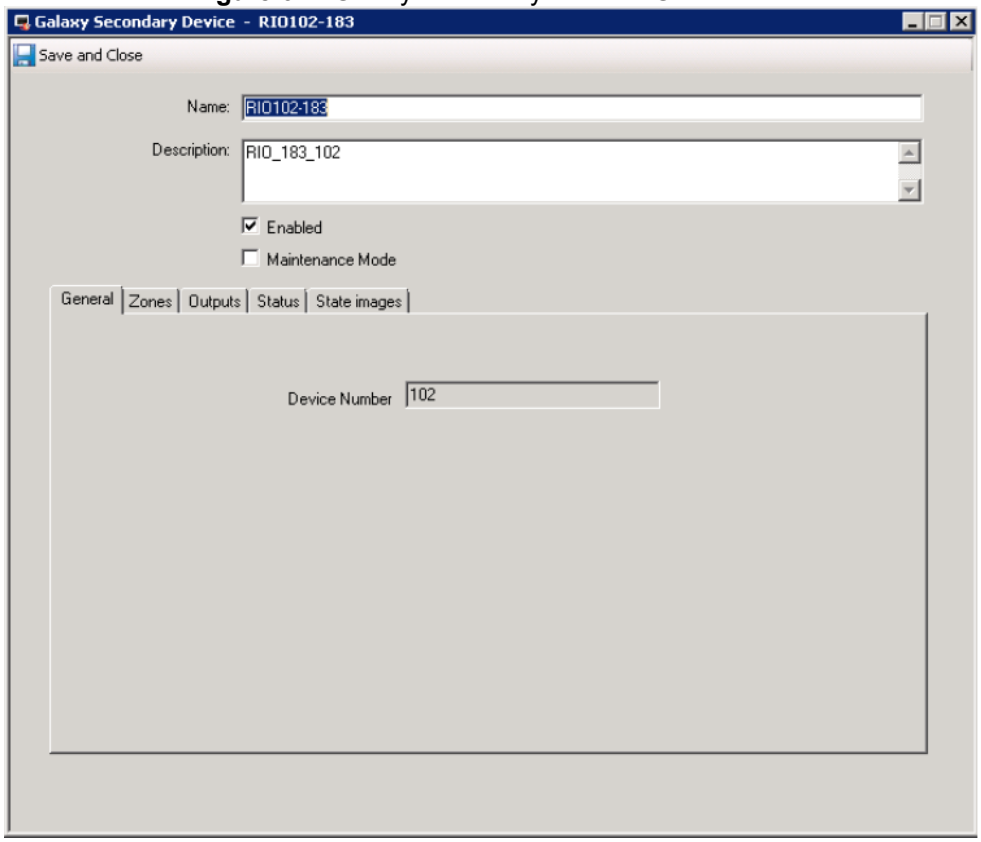
The selected Galaxy Secondary Device are added to the Group and is displayed under the **Groups** tab.

5. Click **Save and Close**.

Galaxy Secondary Devices - General Tab

The **General** tab in the **Secondary Device** Editor provides you information about the Galaxy Secondary Devices.

Figure 64: Galaxy Secondary Device - General Tab



Galaxy Secondary Devices - General Tab Definitions

The following table describes the fields in the **Galaxy Secondary Device -General** tab.

Table 23: Galaxy Secondary Device - General Tab

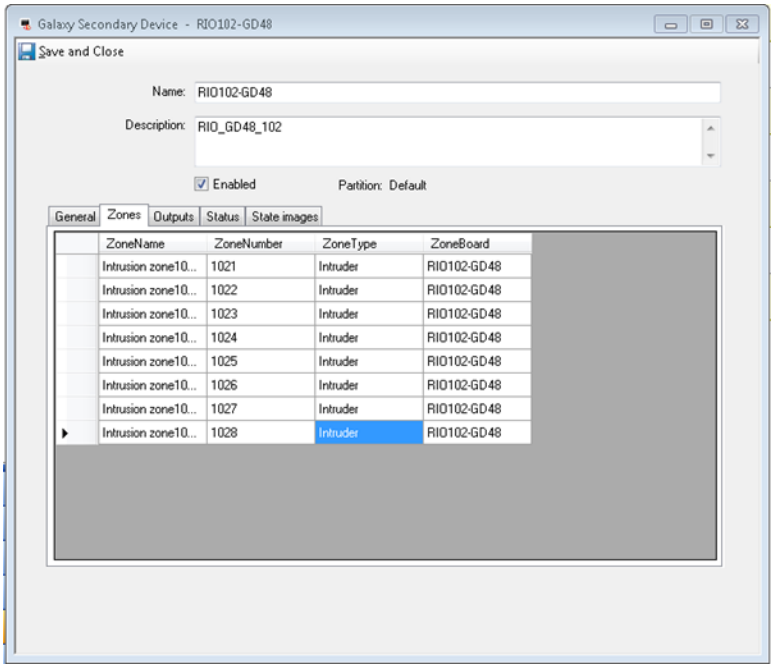
Fields	Descriptions
Name	Displays the name of the Galaxy Secondary Device. You can modify the name. Ensure the name is unique, else an error message is displayed.
Description	Enter a general description about the Galaxy Secondary Device.
Maintenance Mode	Select the Maintenance Mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see, "Maintenance Mode" on page 29.
Device Number	Displays the Secondary Device number**.** The Secondary Device number is auto generated during Panel synchronization.

Note: Secondary Devices are displayed under **Secondary Device** tab, only when the Galaxy Panel is synchronized with C•CURE 9000.

Galaxy Secondary Devices - Zone Tab

The **Galaxy Secondary Device -Zone** tab displays the list of Zones in a RIO connected to the Galaxy Panel. The Galaxy Secondary Device Zone tab provides information about the Galaxy Secondary Device Zone.

Figure 65: Galaxy Secondary Device - Zone Tab



Galaxy Secondary Devices - Zone Tab Definitions

The following table describes the fields in the **Galaxy Secondary Device-Zone** tab:

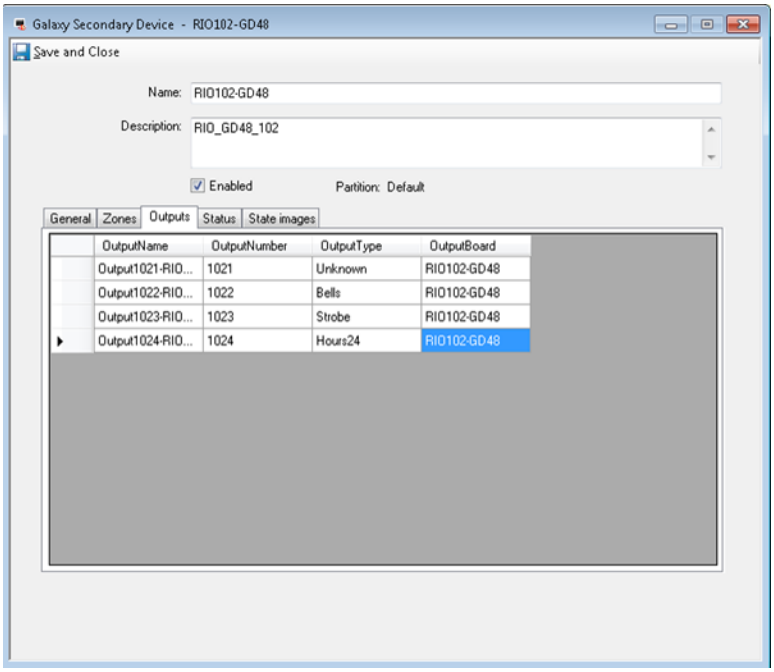
Table 24: Galaxy Secondary Devices - Zone Tab.

Field	Definition
Zone Name	The name of the zone that is associated with the secondary device.
Zone Number	The number of the zone that is associated with the secondary device.
Zone Type	The type of the zone that is associated with the secondary device.
Zone Board	The board that is associated with the secondary device.

Galaxy Secondary Devices - Output Tab

The **Galaxy Secondary Device - Output** tab displays the list of Outputs in a RIO. The **Galaxy Secondary Device - Outputs** tab provides information about the Galaxy Secondary Device Outputs.

Figure 66: Galaxy Secondary Device - Output Tab



Galaxy Secondary Devices- Output Tab Definitions

The following table describes the fields in the **Galaxy Secondary Device - Outputs** tab:

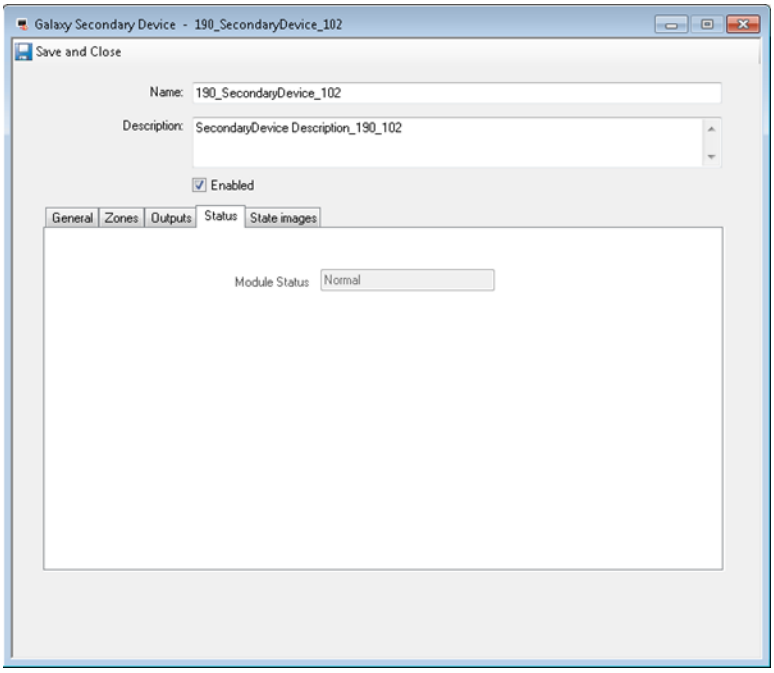
Table 25: Galaxy Secondary Device - Outputs Tab

Field	Definition
Output Name	The name of the output that is associated with the secondary zone.
Output Number	The number of the output that is associated with the secondary zone
Output type	The type of the output that is associated with the secondary zone
Output Board	The board that is associated with the secondary zone

Galaxy Secondary Devices - Status Tab

The **Status** tab in the **Galaxy Secondary Device** editor provides information about the status of the Galaxy Secondary device connected to the Panel.

Figure 67: Galaxy Secondary Device - Status tab



Galaxy Secondary Devices - Status Tab Definitions

The following table describes the fields in the **Galaxy Secondary Device - Status** tab:

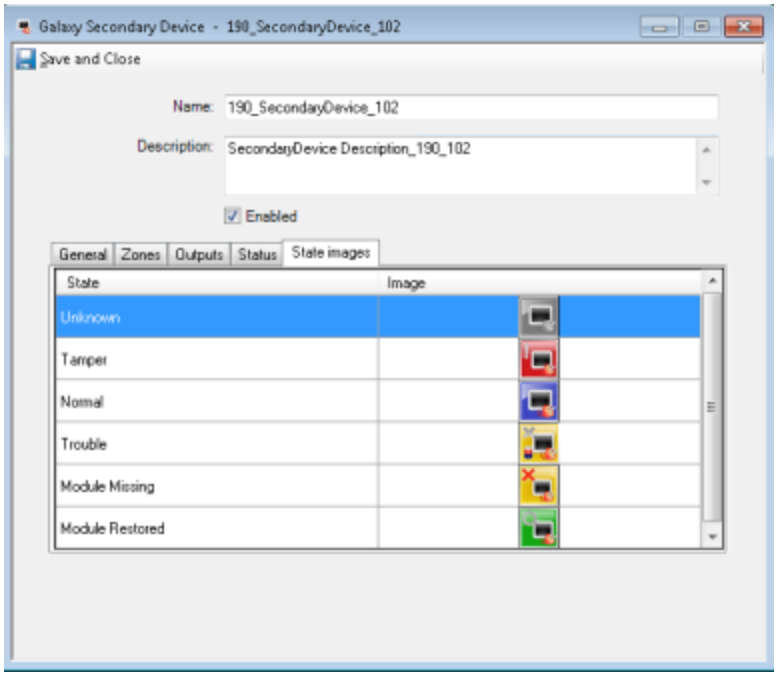
Table 26: Galaxy Secondary Device - State Image Tab

Module Status	Definition
Normal	The Module is normal.
Unknown	The Module is unknown.
Tamper	The Module is in a tampered state.
Trouble	The Module is in a troubled state.
Module Missing	The Module is missing.
Module Restore	The Module has been restored.

Galaxy Secondary Devices - State Images Tab

The **State Images** tab in the **Galaxy Secondary Device** editor displays the list of images that indicate state of the Galaxy Secondary Devices. You can use this tab to change the default images.

Figure 68: Galaxy Secondary Device State Images Tab



For the Galaxy Secondary devices, state images on the Monitoring Station display according to the priority of:

1. Tamper
2. Trouble
3. Module missing
4. Module restored
5. Normal

Customizing Galaxy Secondary Device State Images

The **State Images** tab lists the images that are displayed in the Monitoring Station to represent the activities of the Secondary Devices. You can use the **State Images** tab to select other images and restore the default image.

To Customize Galaxy Secondary Device State Images

1. To change an image, double-click the default image. A Windows file selection dialog box opens.
2. Select the desired replacement image, and then click **Open**. The new image replaces the default image and is displayed in the **State Images** tab.

3. Click **Save and Close.**

After customizing the state images, you can view the status in the Monitoring Station.

Restoring the Default Image

1. To restore the default image, right-click the image and select **Restore Default**.
2. Click **Save and Close.**

9

Event and Action

This chapter provides basic information about Event and Action and how to configure an action.

This chapter covers

Galaxy Action Overview

In the C•CURE 9000 and Galaxy integration system, you can use an event as a trigger object. Events are components of the C•CURE 9000 Administration system programmable by the user. For information about how to configure an event, see the *C•CURE 9000 Software Configuration Guide*.

Actions are objects invoked by an event. Other than the actions in the C•CURE 9000 system, the integration system also provides some pre-defined actions for you to configure an event.

In Galaxy Integration, the following actions are available:

- Galaxy Partition Set
- Galaxy Partition Unset
- Galaxy Zone Bypass
- Galaxy Zone Reset
- Galaxy Output Activate
- Galaxy Output Deactivate
- Galaxy Panel Synchronization

Galaxy Actions

The section provides information about the list of Galaxy actions and how to use them.

Actions and Target Object

The following table lists the Action and its respective Target Object:

Table 27: Actions and Target Object

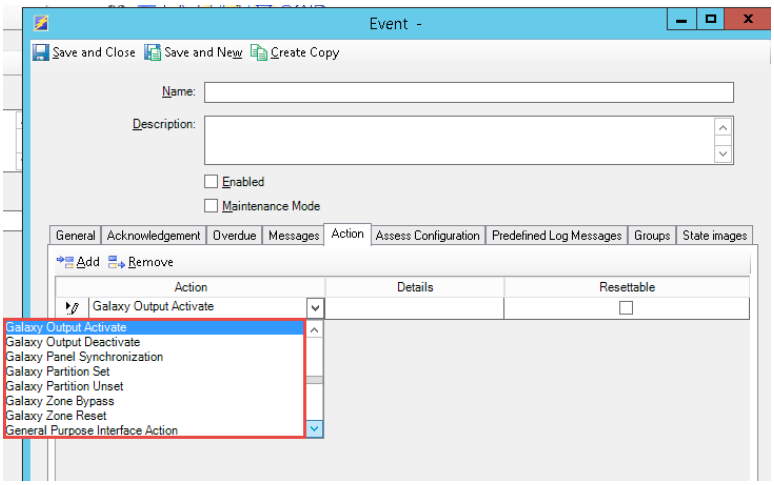
Action	Target Object	Explanation
Galaxy Partition Set	Galaxy Partition	The configured event will set the Partition
Galaxy Zone Bypass	Galaxy Zone	The configured event will bypass the Zone
Galaxy Partition Unset	Galaxy Partition	The configured event will unset the Partition
Galaxy Zone Reset	Galaxy Zone	The configured event will reset the Zone
Galaxy Panel Synchronization	Galaxy Panel	The configured event will synchronize the panel with C•CURE 9000
Galaxy Output Activate	Galaxy Output	The configured event will activate the output
Galaxy Output Deactivate	Galaxy Output	The configured event will deactivate the output

Accessing the Galaxy Actions

To Access the Galaxy Actions from the Configuration Pane

1. Click the **Configuration** pane of the Administration Workstation and select Event.
2. Click  to open a Dynamic View showing all Events.
3. Right-click a Event and select **Edit**.
4. In the Event dialog box, select **Action tab** and then click **Add**.
5. Select the required Galaxy actions from the drop-down list.

Figure 69: Galaxy Action List



The following table describes the fields in the **Galaxy Event -Action** tab:

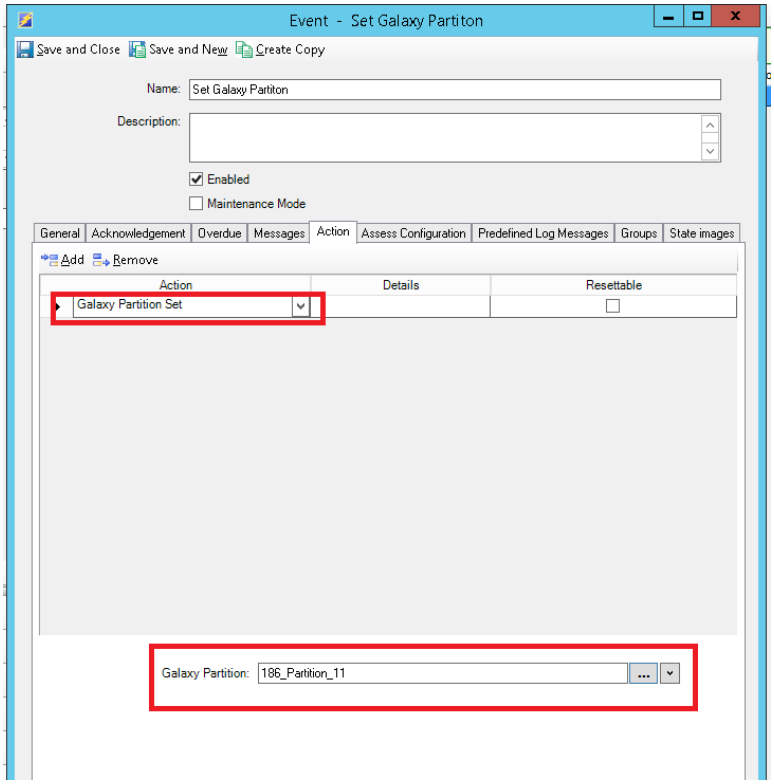
Table 28: Galaxy Action List

Field	Description
Action	Displays a drop-down list of available actions for Galaxy Controller. The selected action is displayed in the field at the bottom of the screen.
Details	Displays the details of the selected action, as displayed in the field .
Resettable	Select this check box to make the selected action resettable.

Galaxy Partition Set

If you select **Galaxy - Galaxy Partition Set** in the **Action** drop-down list, the related field and pane appears.

Figure 70: Galaxy Partition Set - Action Tab



The following table describes the **Galaxy Partition Set**field in the **Action** tab:

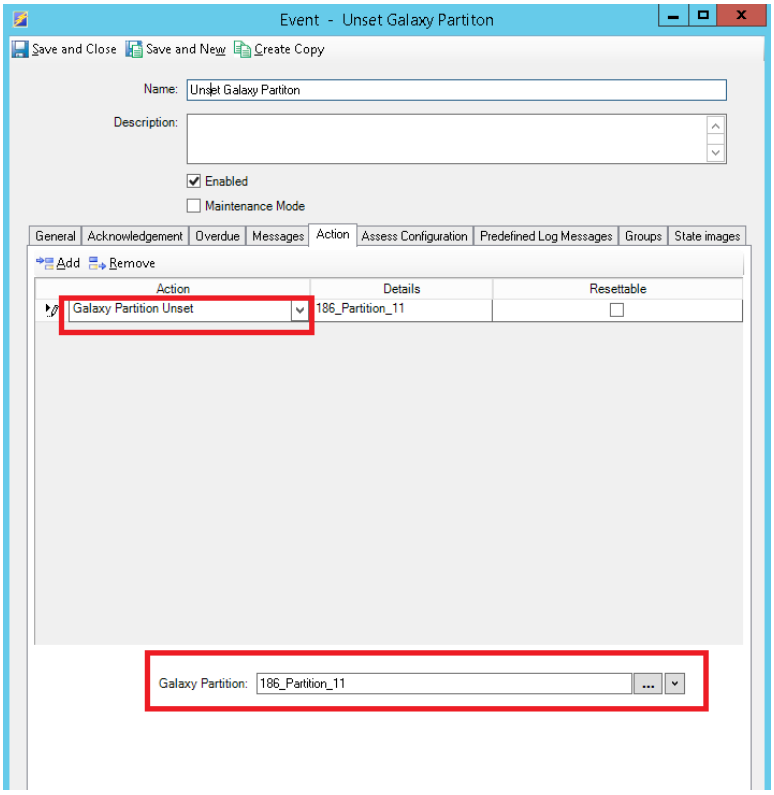
Table 29: Galaxy Partition Set - Action Tab

Field	Description
Galaxy Partition	Click ... to open the **Galaxy Partition** list. Select an **Partition** as the object of this action.

Galaxy Partition Unset

If you select **Galaxy - Galaxy Partition Unset** in the **Action** drop-down list, the related field and pane appears.

Figure 71: Galaxy Partition Unset - Action Tab



The following table describes the **Galaxy Partition Unset** field in the **Action** tab:

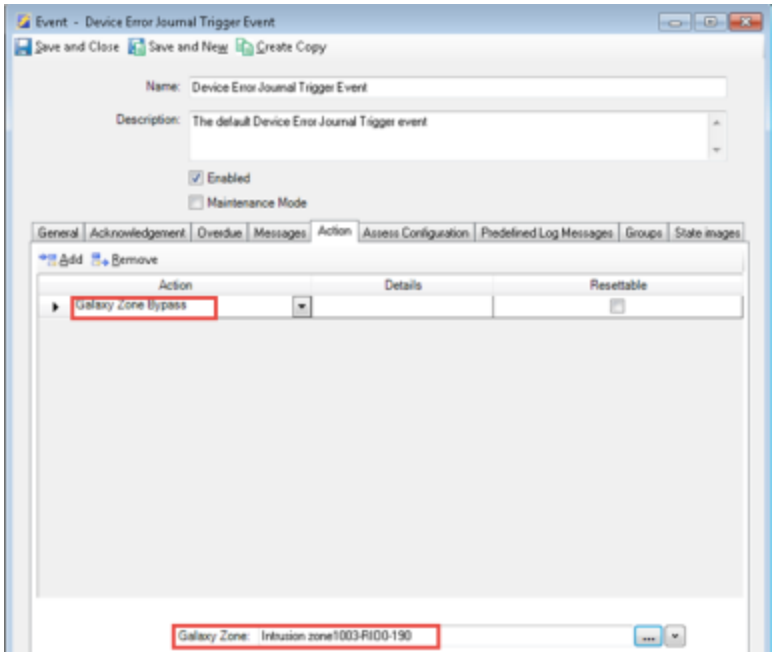
Table 30: Galaxy Partition Unset - Action Tab

Field	Description
Galaxy Partition	Click ... to open the **Galaxy Partition** list. Select an **Partition** as the object of this action.

Galaxy Zone Bypass

If you select **Galaxy Zone Bypass** in the **Action** drop-down list, the related field and pane appears.

Figure 72: Galaxy Zone Bypass -Action Tab



The following table describes the **Galaxy Zone Bypass** field in the **Action** tab:

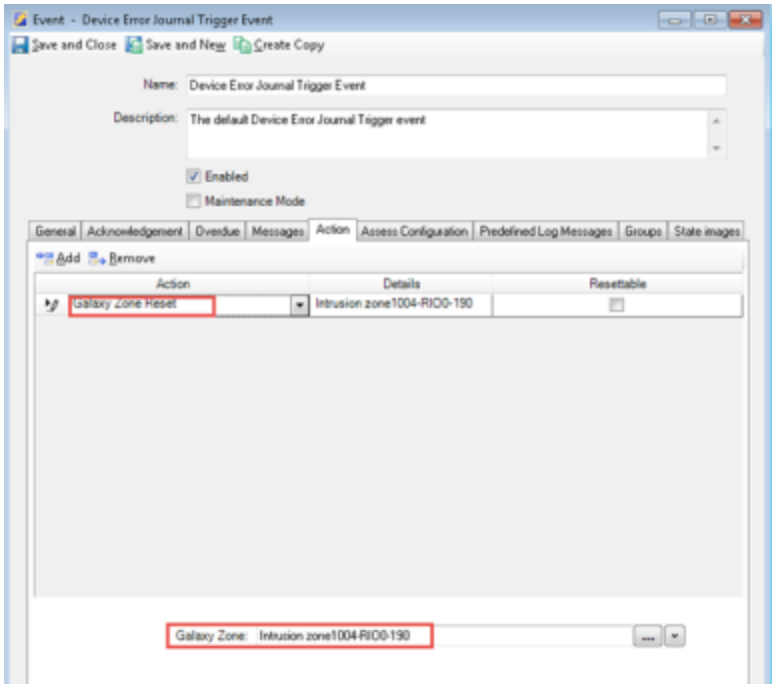
Table 31: Galaxy Bypass Input - Action Tab

Field	Description
Galaxy Zone	Click ... to open the **Galaxy Input** list. Select a **Galaxy Zone** as the object of this action.

Galaxy Zone Reset

If you select **Galaxy Zone Reset** in the **Action** drop-down list, the related field and pane appears.

Figure 73: Galaxy Zone Reset - Action Tab



The following table describes the **Galaxy Zone Reset** field in the **Action** tab:

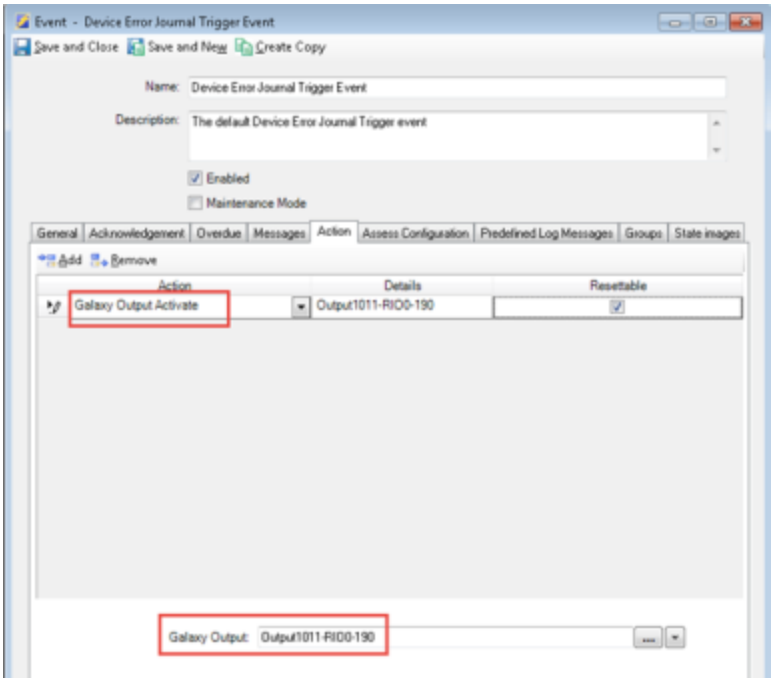
Table 32: Galaxy Zone Reset - Action Tab

Field	Description
Galaxy Zone	Click ... to open the **Galaxy Input** list. Select a **Galaxy Zone** as the object of this action.

Galaxy Output Activate

If you select **Galaxy Output Activate** in the **Action** drop-down list, the related field and pane appears.

Figure 74: Galaxy Output Activate - Action Tab



The following table describes the **Galaxy Output Activate** field in the **Action** tab:

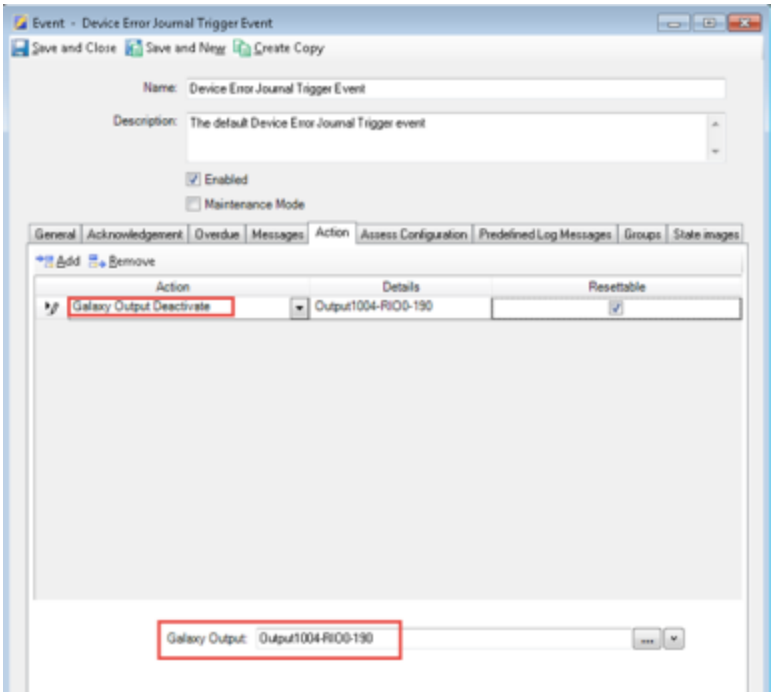
Table 33: Galaxy Output Activate- Action Tab

Field	Description
Galaxy Output	Click ... to open the Activate **Output** list. Select a **Galaxy Output** as the object of this action.

Galaxy Output Deactivate

If you select **Galaxy Output Deactivate** in the **Action** drop-down list, the related field and pane appears.

Figure 75: Galaxy Output Deactivate - Action Tab



The following table describes the **Galaxy Output Deactivate** field in the **Action** tab:

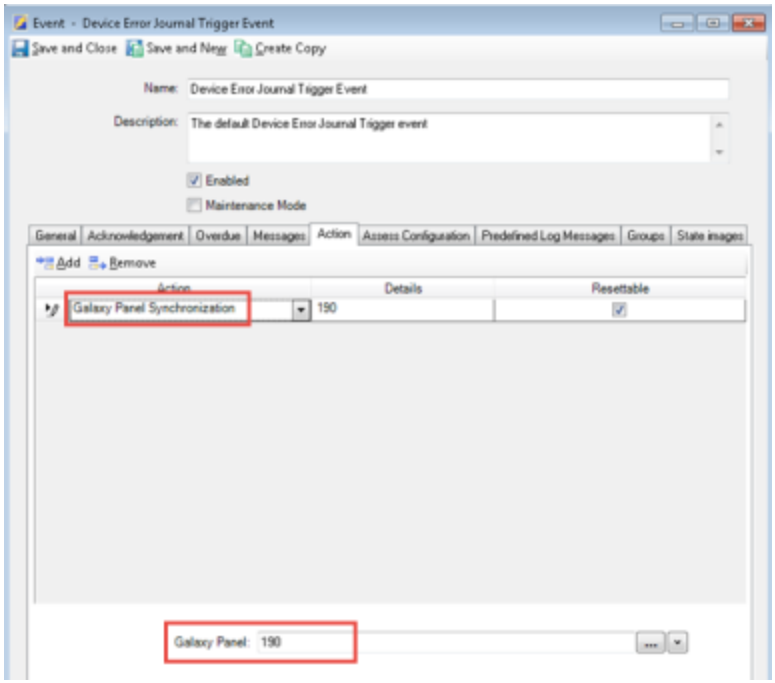
Table 34: Galaxy Output Deactivate - Action Tab

Field	Description
Galaxy Output	Click ... to open the **Output** list. Select a **Galaxy Output** as the object of this action.

Galaxy Panel Synchronization

When you select **Galaxy Panel Synchronization** in the **Action** drop-down list, the related fields and pane appears.

Figure 76: Galaxy Panel Synchronization - Action Tab



The following table describes the **Galaxy Panel Synchronization** filed in the **Action** tab:

Table 35: Galaxy Panel Synchronization - Action Tab

Field	Description
Galaxy Panel	Click ... to open the **Galaxy Panel** list. Select a **Galaxy Panel** as the object of this action.

10

Monitoring Galaxy Activities

This chapter describes the C•CURE 9000 Monitoring Station Activity Viewer and also provides the procedure to cancel Galaxy manual actions.

In this chapter

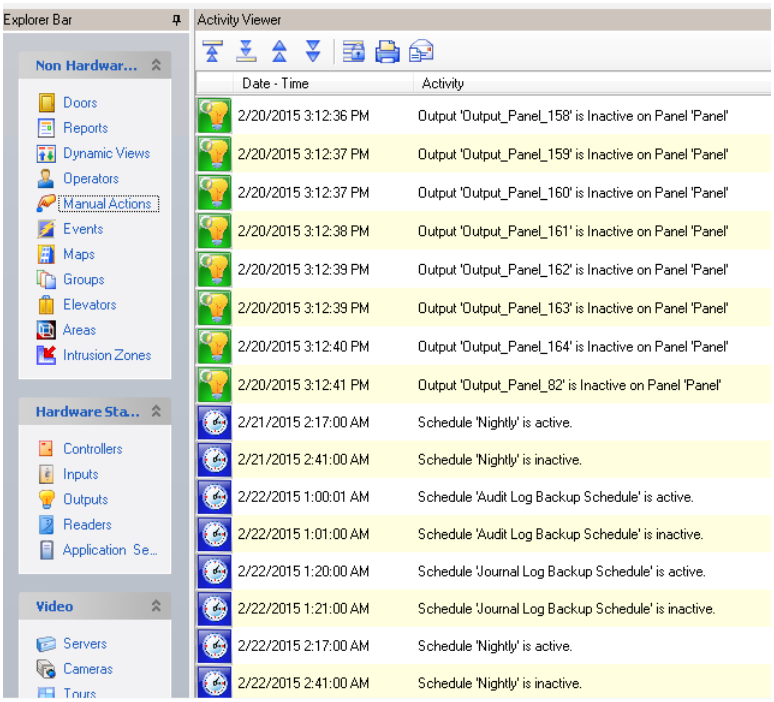
C•CURE 9000 Monitoring Station Activity Viewer

The C•CURE 9000 Monitoring Station Activity Viewer displays the Galaxy access control activities.

Activities are displayed in rows. Each row contains a icon, the date and time of the activity, the type of activity or object, object name, the partition name of the object [in brackets] and an activity message. You can click the activity icon to view additional information about the object or right-click the icon to view the context menu for more options or to initiate a manual action.

See the *C•CURE 9000 Monitoring Station Guide* for more information about the Activity Viewer.

Figure 77: Monitoring Station Activity Viewer



Canceling Manual Actions

To Cancel a Manual Action in the Activity Viewer

1. Go to the Monitoring Station Activity Viewer.

   A list of all activities since the Monitoring Station was opened are displayed.

2. Under the **Explorer Bar** click **Non-Hardware Status**.

3. Under **Non-Hardware Status** click **Manual Actions**.

   The Status List - Manual Action dialog box opens displaying a list of manual actions and their current status.

4. Right-click the manual action in the dialog box that you want to cancel and select **Cancel** from the drop-down menu.
   A new entry appears in the Activity Viewer to indicate that the manual action was canceled.

A

Galaxy Journal Messages

This chapter describes the customized Journal messages in the Galaxy integration panel.

This chapter covers

C•CURE 9000-Galaxy Integration Journal Messages

Table 36 on Page 136 lists the Journal Messages that are reported by the Galaxy Integration products to the C•CURE 9000 database:

Table 36: Journal Messages Reported to C•CURE 9000 by Galaxy Integration

Hardware Status	Alarm Status	Supervision Status	Condition	Monitoring Station/Journal Message
CLOSED	Normal	Closed Loop	Acknowledged and not omitted	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN	Normal	Open Loop	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
SHORT CIRCUIT	Normal	Tamper	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN CIRCUIT	Normal	Tamper	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
LOW RESISTANCE	Normal	Trouble	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
HIGH RESISTANCE	Normal	Trouble	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
MASKED	Normal	Zone Masked	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
FAULT	Normal	Zone Faulted	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
CLOSED	Alarm	Closed Loop	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN	Alarm	Open Loop	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
SHORT CIRCUIT	Alarm	Tamper	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN CIRCUIT	Alarm	Tamper	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal

Journal Messages Reported to C•CURE 9000 by Galaxy Integration (continued)

Hardware Status	Alarm Status	Supervision Status	Condition	Monitoring Station/Journal Message
HIGH RESISTANCE	Alarm	Trouble	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
MASKED	Alarm	Zone Masked	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
FAULT	Alarm	Zone Faulted	Alarm	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
CLOSED	Normal	Bypass	Acknowledged and omitted	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
SHORT CIRCUIT	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN CIRCUIT	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
LOW RESISTANCE	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
HIGH RESISTANCE	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
MASKED	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
FAULT	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
CLOSED	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
SHORT CIRCUIT	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal

Journal Messages Reported to C•CURE 9000 by Galaxy Integration (continued)

Hardware Status	Alarm Status	Supervision Status	Condition	Monitoring Station/Journal Message
OPEN CIRCUIT	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
LOW RESISTANCE	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
HIGH RESISTANCE	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
MASKED	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
FAULT	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
CLOSED	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
SHORT CIRCUIT	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN CIRCUIT	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
LOW RESISTANCE	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
HIGH RESISTANCE	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
MASKED	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
FAULT	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
CLOSED	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal

Journal Messages Reported to C•CURE 9000 by Galaxy Integration (continued)

Hardware Status	Alarm Status	Supervision Status	Condition	Monitoring Station/Journal Message
OPEN	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
SHORT CIRCUIT	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
OPEN CIRCUIT	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
LOW RESISTANCE	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
HIGH RESISTANCE	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
MASKED	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal
FAULT	Normal	Reset	Reset manual action from C•CURE	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in MS/Journal

When Partition is unset and the zone under that Partition is bypassed, Supervision status of that zone is reset.

Partition Status in C•CURE 9000

Table 37 on Page 140 describes the Partition Status in C•CURE 9000:

Table 37: Partition Status in C•CURE 9000

Property	Value	Status
Mode status	Arm	Armed
	Disarm	Disarmed
	Forced Arm	Armed
	Unset	Unset
	Set	Set
	Setting	Setting
	Suspend	Suspend
	Part Set and Unset	Part Set and Unset
	Part Set and Setting	Part Set and Setting
	Part Set and Suspend	Part Set and Suspend
	Part Set and Set	Part Set and Set
	Part Set and Unsetting	Part Set and Unsetting
	Alarm and Unset	Alarm and Unset
	Alarm and Setting	Alarm and Setting
	Alarm and Suspend	Alarm and Suspend
	Alarm and Set	Alarm and Set
	Alarm and Unsetting	Alarm and Unsetting

Partition Status in C•CURE 9000 (continued)

Property	Value	Status
	System and Unset	System and Unset
	System and Setting	System and Setting
	System and Suspend	System and Suspend
	System and Set	System and Set
	System and Unsetting	System and Unsetting
	PA Alarm and Unset	PA Alarm and Unset
	PA Alarm and Setting	PA Alarm and Setting
	PA Alarm and Suspend	PA Alarm and Suspend
	PA Alarm and Set	PA Alarm and Set
	PA Alarm and Unsetting	PA Alarm and Unsetting
	Tamper and Unset	Tamper and Unset
	Tamper and Setting	Tamper and Setting
	Tamper and Suspend	Tamper and Suspend
	Tamper and Set	Tamper and Set
	Tamper and Unsetting	Tamper and Unsetting
	Part Set and Alarm	Part Set and Alarm
	Part Set and PA Alarm	Part Set and PA Alarm
	Part Set and System	Part Set and System
	Part Set and Tamper	Part Set and Tamper
	Alarm and PA Alarm	Alarm and PA Alarm
	Alarm and System	Alarm and System
	Alarm and Tamper	Alarm and Tamper
	System and PA Alarm	System and PA Alarm
	System and Tamper	System and Tamper
	PA and Tamper	PA and Tamper

Galaxy Zones Status in C•CURE 9000

The priority of icons displayed for Galaxy Zones in C•CURE 9000 are as follows:

1. Disabled
2. Alarm
3. Bypass
4. Active/Inactive
5. Supervision Status
6. Open/closed
7. Unknown

In Table 38 active status is shown in alarm and tamper conditions. It is possible that Galaxy Input can be in multiple states (Example: Alarmed and Open) and since only one icon can be shown in C•CURE 9000 at a time. Active/Inactive icon takes priority over Open/Closed this might not display according to Table 38.

Active/Inactive status is displayed only for the conditions displayed in Table 38. Also see the Galaxy Zone Galaxy Zone Overview on Page 56.

Table 38 describes the Input Status in C•CURE 9000.

Table 38: Input Status in C•CURE 9000

Status	Input Status in C•CURE 9000				
	Active Status	**Hardware Status**	**Alarm Status**	**Supervision Status**	**Status Image**
Closed	Inactive	Closed	Normal	Closed Loop	Inactive
Open	Active	Open	Normal	Open Loop	Active
Short Circuit	Active	Short Circuit	Normal	Tamper	Active
Open Circuit	Active	Open Circuit	Normal	Tamper	Active
Low Resistance	Active	Low Resistance	Normal	Trouble	Active
High Resistance	Active	High Resistance	Normal	Trouble	Active
Masked	Active	Masked	Normal	Zone Masked	Active
Fault	Active	Fault	Normal	Zone Faulted	Active
Alarmed	Active	Closed	Alarm	Closed Loop	Active
Alarmed and Open	Active	Open	Alarm	Open Loop	Active
Alarmed and Short Circuited	Active	Short Circuit	Alarm	Tamper	Active

Input Status in C•CURE 9000 (continued)

Status	Input Status in C•CURE 9000				
	Active Status	**Hardware Status**	**Alarm Status**	**Supervision Status**	**Status Image**
Alarmed and Open Circuited	Active	Open Circuit	Alarm	Tamper	Active
Alarmed And Low Resistance	Active	Low Resistance	Alarm	Trouble	Active
Alarmed And High Resistance	Active	High Resistance	Alarm	Trouble	Active
Alarmed And Masked	Active	Masked	Alarm	Zone Masked	Active
Alarmed And Faulted	Active	Fault	Alarm	Zone Faulted	Active
Omitted	Inactive	Closed	Normal	Bypass	Bypass
Omitted and Open	Inactive	Open	Normal	Bypass	Bypass
Omitted and Short Circuited	Inactive	Short Circuit	Normal	Bypass	Bypass
Omitted and Open Circuited	Inactive	Open Circuit	Normal	Bypass	Bypass
Omitted and Low Resistance	Inactive	Low Resistance	Normal	Bypass	Bypass
Omitted and High Resistance	Inactive	High Resistance	Normal	Bypass	Bypass
Omitted and Masked	Inactive	Masked	Normal	Bypass	Bypass
Omitted and Faulted	Inactive	Fault	Normal	Bypass	Bypass
Suspended	Inactive	Closed	Normal	Suspended	Inactive
Suspended and Open	Inactive	Open	Normal	Suspended	Inactive
Suspended and Short Circuited	Inactive	Short Circuit	Normal	Suspended	Inactive
Suspended and Open Circuited	Inactive	Open Circuit	Normal	Suspended	Inactive
Suspended and Low Resistance	Inactive	Low Resistance	Normal	Suspended	Inactive
Suspended and High Resistance	Inactive	High Resistance	Normal	Suspended	Inactive
Suspended and Masked	Inactive	Masked	Normal	Suspended	Inactive

Input Status in C•CURE 9000 (continued)

Status	Input Status in C•CURE 9000				
	Active Status	**Hardware Status**	**Alarm Status**	**Supervision Status**	**Status Image**
Suspended and Faulted	Inactive	Fault	Normal	Suspended	Inactive
Soak Test	Inactive	Closed	Normal	Soak Test	Inactive
Soak Test and Open	Inactive	Open	Normal	Soak Test	Inactive
Soak Test and Short Circuited	Inactive	Short Circuit	Normal	Soak Test	Inactive
Soak Test and Open Circuited	Inactive	Open Circuit	Normal	Soak Test	Inactive
Soak Test and Low Resistance	Inactive	Low Resistance	Normal	Soak Test	Inactive
Soak Test and High Resistance	Inactive	High Resistance	Normal	Soak Test	Inactive
Soak Test and Masked	Inactive	Masked	Normal	Soak Test	Inactive
Soak Test and Faulted	Inactive	Fault	Normal	Soak Test	Inactive
SoakTest, Omitted and Closed	Inactive	Closed	Normal	Bypass	Inactive
Soak Test_Omitted and Open	Inactive	Open	Normal	Bypass	Inactive
Soak Test_Omitted and Short Circuited	Inactive	Short Circuit	Normal	Bypass	Inactive
Soak Test_Omitted and Open Circuited	Inactive	Open Circuit	Normal	Bypass	Inactive
Soak Test_Omitted and Low Resistance	Inactive	Low Resistance	Normal	Bypass	Inactive
Soak Test_Omitted and High Resistance	Inactive	High Resistance	Normal	Bypass	Inactive
Soak Test_Omitted and Masked	Inactive	Masked	Normal	Bypass	Inactive
Soak Test_Omitted and Faulted	Inactive	Fault	Normal	SoakTest and Omitted	Inactive

B

AllowTamperMessages Config Entry

This chapter describes about the new config key added to the Galaxy Configuration File.

This chapter covers

AllowTamperMessages Config Entry

A new config key **AllowTamperMessages** is added to the Galaxy configuration file located in the path: Program Files (x86) \Tyco\CrossFire\ServerComponents. Refer to Figure 78 on Page 146.

Messages are filtered from the Zones based on the combination of **Enabled** check box (present on individual zone configuration window) and **AllowTamperMessages** config entry.

Figure 78: Config Key - AllowTamperMessages

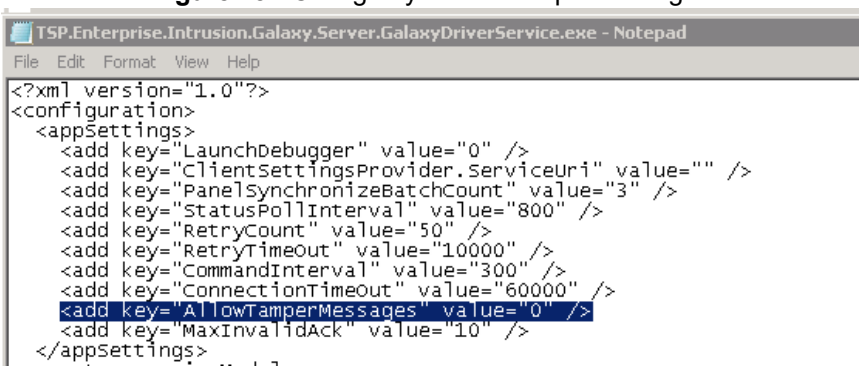


Table 39 on Page 146 lists the different combinations of Enabled check box and AllowTamperMessages config entry and the expected results.

Table 39: Different Combinations of Enabled Check Box and AllowTamperMessages Config Entry

Sl. No	Partition Status	Allow Tamper Messages config entry	Enable check box status	Result on generating Alarms (ShortCircuit, OpenCircuit, LowResistance, HighResistance, Masked, Faulted, ZoneMasked, ZoneFaulted, Tamper, Trouble, Alarm)	Results of clearing the alarm/ tamper	Result on generating toggling (PIR) (Open/ OpenLoop/ Close/ClosedLoop)	Results on changing the toggle switch
1	Set	1	Disabled	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.

Different Combinations of Enabled Check Box and AllowTamperMessages Config Entry (continued)

Sl. No	Partition Status	Allow Tamper Messages config entry	Enable check box status	Result on generating Alarms (ShortCircuit, OpenCircuit, LowResistance, HighResistance, Masked, Faulted, ZoneMasked, ZoneFaulted, Tamper, Trouble, Alarm)	Results of clearing the alarm/ tamper	Result on generating toggling (PIR) (Open/ OpenLoop/ Close/ClosedLoop)	Results on changing the toggle switch
2	Set	1	Enabled	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.
3	Set	0	Disabled	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.
4	Set	0	Enabled	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE. .
5	Unset	1	Disabled	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.

Different Combinations of Enabled Check Box and AllowTamperMessages Config Entry (continued)

Sl. No	Partition Status	Allow Tamper Messages config entry	Enable check box status	Result on generating Alarms (ShortCircuit, OpenCircuit, LowResistance, HighResistance, Masked, Faulted, ZoneMasked, ZoneFaulted, Tamper, Trouble, Alarm)	Results of clearing the alarm/ tamper	Result on generating toggling (PIR) (Open/ OpenLoop/ Close/ClosedLoop)	Results on changing the toggle switch
6	Unset	1	Enabled	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.	HW, Active, Supervision states change (open, open loop, active) and journaled in C•CURE. Alarm states do not change and are not journaled.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.
7	Unset	0	Disabled	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.	No status update in Dynamic View. No journaling.
8	Unset	0	Enabled	Alarm is reported in C•CURE. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in C•CURE.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.	HW, Active, Supervision states change (open, open loop, active) and journaled in C•CURE. Alarm states do not change and are not journaled.	Closed and closed loop is reported in C•CURE. Alarm is then cleared in C•CURE.

C

Troubleshooting

This chapter helps to resolve the problems occurred in C•CURE 9000 Galaxy Integration software product.

This chapter covers

Troubleshooting

This section provides troubleshooting information for issues that may occur in the Galaxy Intrusion Integration.

Problem: Sometimes the installation may fail if the CrossFire service does not stop on time and throws a time out error.

Solution:

Ensure that you have completed the following steps:

- Check if the CrossFire service is stopped from services panel in case of installation failure. Refer to Figure 79 on Page 150.
- Wait till the CrossFire service is stopped and then trigger the installation again. This will work fine as the service is stopped already.

Figure 79: CrossFire Services

Problem: Occasionally Partition does not get Set

Solution

This happens when Panel doesn't allow to Set the Partition if one or more zones are not in normal condition. Check for the Zone status present in that Partition and restore the state of the zone to normal.

OR

This happens when you select multiple Partitions and you perform the manual action Set/Unset. In order to Set/Unset the Partition, it is recommended to add the Partitions to a group and then perform Set/Unset action on the group itself.

Problem: Occasionally Panel does not connect

Solution

Check the following:

- Check if configuration in Panel is as mentioned in Configuring Galaxy Dimension Panels and Firmware on Page 24".
- Check for firewall and ensure ports configured in controllers are allowed
- Disable the panel in C•CURE 9000 and telnet to the panel on Command Port= 10001.

Problem: Alarms are not received from Panel.

Solution

Do the following:

1. Check for firewall and ensure ports configured in controllers are allowed.

2. Check if configuration in controller is as mentioned in Configuring Galaxy Dimension Panels and Firmware on Page 24.

Problem: Galaxy Panel is not communicating with Server after fail over to Backup or Disaster Recovery Node.

Solution

If C•CURE 9000 is configured as 2 node EMC or Marathon setup and Nodes are configured in different subnet, it is recommended to configure Galaxy Controller with both Primary and Backup path each communicating with specific node. Galaxy Hardware supports only 2 communication paths (Primary & Secondary). In case of 3 node redundancy at least 2 nodes should be on same subnet.

Index

H

I

J

L

M

N

R

S

T

Z