tyco | American Dynamics

Galaxy Intrusion Integration for victor Unified Client

User Guide

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www.americandynamics.net

Johnson Controls

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Galaxy Integration Overview

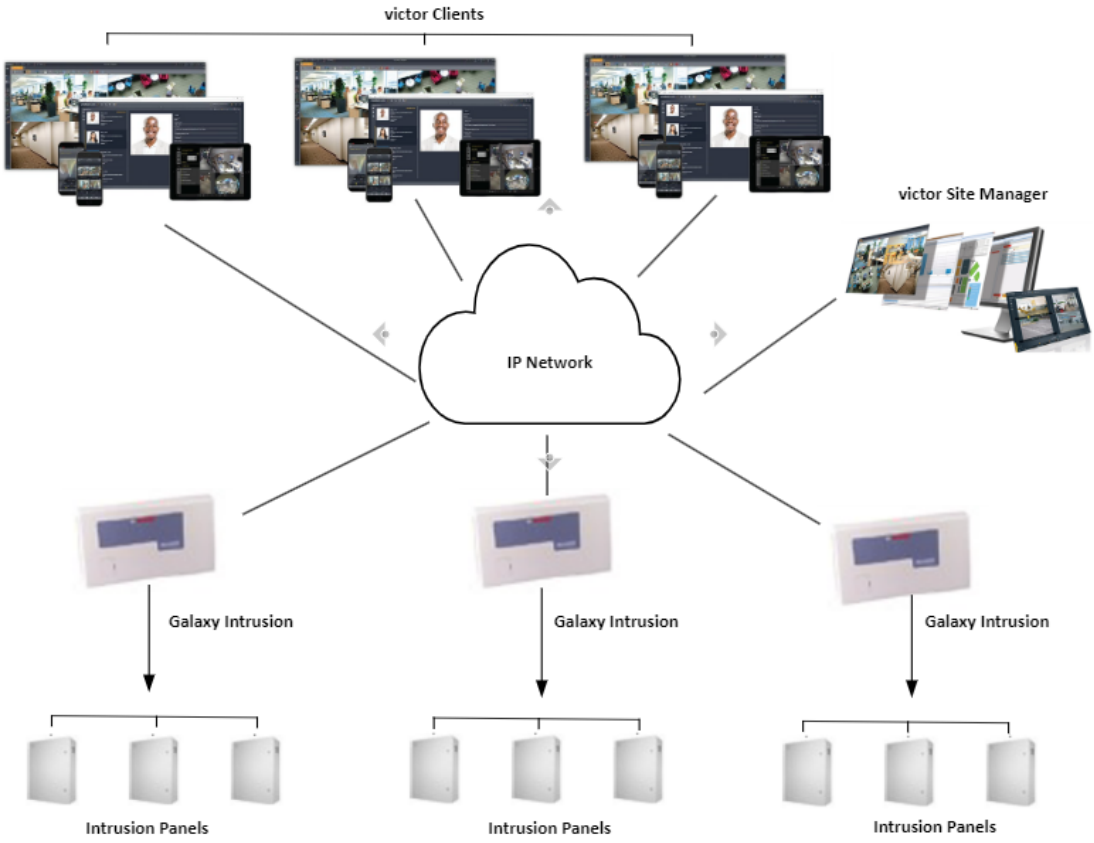
Galaxy Intrusion integration provides advanced, seamless integration between victor unified systems and Honeywell Galaxy Intrusion Security System, allowing users of victor Unified Client to monitor and configure their Galaxy Intrusion device hardware, alarms from the victor environment.

This document describes the Galaxy Intrusion integration from within the victor environment. All the features/functionality explained are with respect to the victor platform.

Product Components

- **Galaxy Client:** Used to specify connection details and synchronization actions to Galaxy panels
- **Galaxy Objects:** Physical or logical Galaxy entities within the victor environment.
- **Galaxy Server Component:** The heart of the integration, facilitates and maintains communication with the Galaxy devices and auto-creates partitions, zones, outputs and secondary devices based on the panel capabilities.
- **Galaxy Intrusion Panel:** Control panel used to detect intrusion in a partition and report the alarm. The Panel types are supported are GD-48, GD-96, GD-264, GD-520.

Figure 1: System Overview: IP Configuration



All relevant Galaxy object editors are available from victor's intrusion ribbon bar after driver installation.

Features

The objective of the Galaxy Intrusion integration is to provide a standard, single interface between Galaxy Intrusion devices and American Dynamic's victor Unified Management product.

The following are the features supported:

- Supports GD-48/96/264/520 Panels.
- Supports Manual synchronization of Galaxy objects.
- Supports the following manual actions to control the Galaxy objects.
    - Partition: Set or Unset
    - Zone: Bypass or Reset
    - Output: Activate or Deactivate
- Allows to add new Galaxy Intrusion panels.
- Allows to edit Galaxy Intrusion objects (Panels, Partitions, Zones, Outputs, Secondary devices).
- Allows to view status and information of configured Galaxy devices and objects.
- Supports victor role respect.
- Provides integration with victor Object Association.
- Provides victor Client-side event management.
- Monitor devices on victor Maps and Health dashboard.
- Supports TLS 1.2 for security.

Minimum Hardware Requirements

Galaxy Intrusion integration has the same hardware requirements as victor Unified Client and victor Site Manager. Therefore, if your machine can successfully run victor then it satisfies the requirements for the Galaxy Intrusion Integration.

The integration requires approximately 50MB of hard disk space.

Installation Prerequisites

Prerequisites to install Galaxy Intrusion Integration are:

- To install the Galaxy Intrusion Integration on victor Application Server, you must install the .NET Framework 3.5 on victor server.
- You must install the Galaxy Intrusion driver on both the victor Site Manager and all victor Unified Client machines.

Installing Galaxy Intrusion Integration to victor

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

1. Close the victor Unified Client.
2. Open the Server Configuration Application and stop the following server services.
   - CrossFire Framework Service
   - CrossFire Server Component Framework Service
3. Close the Server Configuration Application.

1	Close all programs.
2	Go to http://www.americandynamics.net
3	Download the appropriate version of the Galaxy Integration Software Driver according to your version of victor.
4	Start the Galaxy Integration driver installer. The **End User License Agreement** window appears.
5	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.
6	Click **OK** to continue with the installation. The **Welcome to the Integration Setup Wizard** appears.
7	Click **Next** to continue with the installation. The **Installation Options** dialog box appears.
8	(Optional) 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.
9	Click **Next**. The **Ready to Install the Integration** dialog box appears.
10	Click **Install**. After a few minutes, the **Completed the Integration Setup Wizard** appears.

Note:
• If you click Cancel, installation is rolled back to clean state.
• The **Start the Tyco CrossFire services** check box is selected by default. If this check box is not selected, then the CrossFire services will not start automatically

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

Uninstalling the Galaxy Intrusion Integration to victor

1. Close the victor Unified Client.
2. Open the Server Configuration Application, and stop the following server services:
    - CrossFire Framework Service
    - CrossFire Server Component Framework Service
    - Galaxy Driver Service
3. Close the Server Configuration Application.
4. Open **Control Panel** and click **Programs and Features**.
5. Right-click **Galaxy** and select **Uninstall**.
6. The Modify Setup dialog box appears dialog box opens.
7. Click **Uninstall**. The **Drop Database** dialog box appears.
8. Select one of the following options:
9. Click **Yes** to delete the database used in the Galaxy integration configuration.
10. Click **No** to retain the database used in the Galaxy integration configuration.
11. The **Setup Successful** dialog box appears.
12. Click **Close** to exit from the uninstallation wizard.

Note:
The Galaxy integration shuts down and restarts the CrossFire services. Therefore, the Galaxy integration uninstall should be planned accordingly.

Configuring Galaxy Panel to Communicate with victor

The following Galaxy Dimension Panels and Ethernet Modules are supported:

Table 1: 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 2: 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 victor

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 victor 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 victor Server (same needs to be configured in victor 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

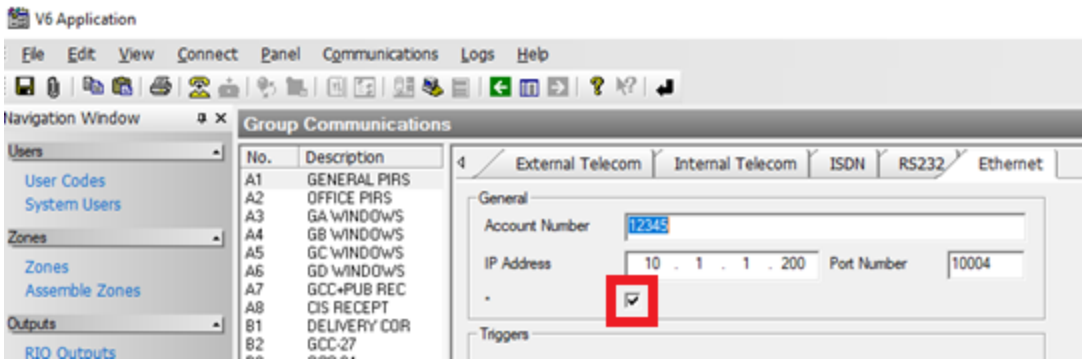
Enabling Group Mode

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

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"

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 victor.

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.

General Hardware information

Detailed hardware information is available for all configured Galaxy Intrusion devices within victor. To access this information, on the Setup tab in the Intrusion group, click the required object and then select Show All. A new tab opens and all available objects are listed, right-click a desired object and click Edit. This information is also available if you right-click an object on the Device List and click Edit.

victor integration information

Roles

victor roles support Galaxy Intrusion device privileges. All context menu actions that are associated with the devices are added to existing victor roles which can be edited accordingly. For more information on Roles, refer to victor Unified Client / victor Application Server Administration and Configuration Guide.

Associations

victor's Object Association supports Galaxy Intrusion objects. Object Association refers to linking unrelated victor objects with the intent of enabling incident building capability. For more information about Object Associations, refer to the victor Unified Client Configuration and User Guide.

Reports

victor's report selection tool and Find in Journal feature support Galaxy Intrusion objects. For more information on Reports and the Find in Journal feature, refer to the victor Unified Client Configuration and User Guide.

Events

victor Events supports Galaxy Intrusion objects support allowing you to detect, monitor and record specific activities on the system. For further information on Events, refer to the victor Unified Client Configuration and User Guide.

Maps

victor Maps and Find on Map features support Galaxy Intrusion objects. For more information on Maps and the Find on Map feature, refer to the victor Unified Client Configuration and User Guide available on the American Dynamics website www.americandynamics.net

Note:
victor editors offer various save options when creating or editing objects:
- **Save and Close** - Save the current object and close the editor.
- **Save (Apply)** - Save changes and keep the editor open, so that you can make further changes.
- **Save and New** - Save the current object and open a new editor to create a new object with default values populated.
- **Close** - Cancel changes and close the editor without saving.

Adding and Editing Galaxy Intrusion Panels

Before you add Partitions, Zones, and Outputs, you should configure new panels using the Galaxy Panel editor.

1 Select **Galaxy Panel** from the **Create New Item** screen. The **New Galaxy Panel** opens.

2 Click **General**. In the expanded list, add the following details:

Property	Description
Name	Enter a name for the panel in the Name text box.
Description	Enter a description for the panel in the Description text box.
Enabled	By default, the Enabled check box is selected. To deactivate the Panel, clear the check box.

3 Click **Panel Configuration**. In the expanded list, add the following details:

Property	Description
Controller Type	This field is read-only. It displays a type of Galaxy Panel. For example: GD, 48,96,116, 520.
Account Number.	Enter the account number. This is used to uniquely identify a Panel. Account number can have 1 - 10 digits and the default value is null.
Panel IP Address	Type the TCP/IP network address of the Galaxy Panel. Note: Ensure that the IP Address is unique and in the IPV4 format, else an error message is displayed.
Remote Command Port	Enter the port number that is used to send and receive data from panel. By default, the command port is 10001. The port number can have 1 - 5 digits.
Host IP Address	Type the TCP/IP network address of the host machine. The address must be in IPv4 format and unique within the system network. Note: When the you upgrade from an older driver version, this field is automatically set to 0.0.0.0 so that the panel comes online irrespective of the NIC. If there are multiple NICs in the host machine, you must configure this field with the Host IP address after upgrading. Ensure that the IP address of the host machine is configured in each Galaxy panel.
Local Alarm Port	Enter the port number that is used to receive alarms from the Panel. The port number can be in the range of 1 to 5 digits. By default, the Local port is 10002. NOTE: The same port number needs to be programmed in respective Galaxy panel. If multiple Galaxy Panels are in use, there should be a unique Alarm port number. If not the error message: The same Alarm Port already exists appears.

4 (Optional) Click **Panel Information** to view the following information:

- FirmwareVersionContent
- Last Synchronization Time

5 (Optional) Click **Panel Status** to view the following information:

- Command Channel Status:
  - Online
  - Offline
  - Unknown
- Alarm Channel Status:
  - Online
  - Offline
  - Unknown
- Synchronization Status
  - Unknown
  - Synchronizing
  - Synchronized
  - Synchronization failed

Note:
• 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.
• Driver will disconnect and reconnect panel, if valid ack from the panel is not received for more than 25 packets.

6 Click **Associations**:

a Click  to open the Object Selector.
b From the **Type** list in the Object Selector, select an object to associate it with the Galaxy panel.
c Click **OK**.

7 Click **Save**.

Editing the Galaxy Panels

You can configure server connection details from within victor, using the Galaxy Panel editor. For more information, see "Adding and Editing Galaxy Intrusion Panels".

1 Select **Galaxy Panel** from **Edit Existing Item** screen.
2 Click the **Galaxy Panel** to be edited.
3 Click **General**. In the expanded list, edit the required details.
4 Click **Panel Configuration**. In the expanded list, edit the required details.
5 Click **Panel Information** to view more details.
6 Click **Panel Status** to view more details.
7 Click **Associations**. Use the Object Selector to associate other hardware devices with the Galaxy panel.
8 Click **Save**.

View and Edit Galaxy Partitions

Depending on your victor Role assignment, you can view and edit Galaxy Partitions but cannot create Partitions directly from victor.

1. Select **Galaxy Partition** from **Show all Items** screen.
2. The **Galaxy Partitions** tab opens and a list containing all available Partitions is displayed.
3. To Edit Partitions, select **Galaxy Partition** from **Edit Existing Item** screen.
4. Click **General**. In the expanded list, edit the required details:

Property	Description
Name	Enter or edit the name for the Partition.
Description	Enter or edit the description for the Partition.
Enabled	By default, the Enabled check box is selected.

5. Click **Partition Information** to view the **Group Number**.
6. Click **Partition Zone Mapping** to view the following details:

Property	Description
Zone Name	This field is read-only. Auto generated based on synchronized zones
Zone Number	This field is read-only. Auto generated based on synchronized zones.
Zone Type	This field is read-only. Auto generated based on synchronized zones.
Board	This field is read-only. Auto generated based on synchronized zones.

7. Click **Partition Status** to view the Mode Status.
8. Click **Save**.

View and Edit Galaxy Zones

Depending on your victor Role assignment, you can view and edit Zones but cannot create Zones directly from victor.

1. Select **Galaxy Zone** from **Show all Items** screen.
2. The **Galaxy Zones** tab opens and a list containing all available zones is displayed.
3. To Edit Zones, select **Galaxy Zone** from **Edit Existing Item** screen.
4. Click **General**. In the expanded list, edit the required details:

Property	Description
Name	Enter or edit the name for the Zone.
Description	Enter or edit the description for the Zone.
Enabled	By default, the Enabled check box is selected.

5 Click **Zone Information**. In the expanded list, edit the required details:

Property	Value
Zone number	This field is read-only. Auto generated based on synchronized zones.
Zone Type	This field is read-only. Displays the synchronized value for each zone.
Board	This field is read-only. Displays the synchronized value for each zone.
Send state changes to Activity Viewer	Select this check box to send state changes to Activity Viewer.
Send state changes to Journal	Select this check box to send state changes to Journal.

6 Click **Zone Status** to view the following:

Property	Value
Active Status	The possible values are: • Active • Inactive
Hardware Status	The possible values are: • Closed • Open • Short Circuit • Low Resistance • Masked • Faulted

Property	Value
Alarm Status	The possible values are: • Normal • Alarm
Supervision Status	The possible values are: • Close • Loop • Open Loop • Tamper • Trouble • Zone Masked • Zone Faulted • Bypass • Suspended • Soak Test • Reset

7 Click **Save**.

View and Edit Galaxy Outputs

Depending on your victor Role assignment, you can view and edit Outputs but you cannot create Outputs directly from victor.

1 Select **Galaxy Output** from **Show all Items** screen. The Galaxy Outputs tab opens and a list containing all available Outputs are displayed.

2 To Edit Outputs, select **Galaxy Zone** from **Edit Existing Item** screen. A new tab opens.

3 Click **General**. In the expanded list, edit the required details:

Property	Description
Name	Enter or edit the name for the Output
Description	Enter or edit the description for the Output.
Enabled	By default, the Enabled check box is selected.

4 Click **Output Information**. In the expanded list, edit the required details:

Property	Value
Output number	This field is read-only.

Property	Value
	Auto generated based on synchronized outputs.
Output Type	This field is read-only. Displays the synchronized value for each zone.
Board	This field is read-only. Displays the synchronized value for each zone.
Send state changes to Activity Viewer	Select this check box to send state changes to Activity Viewer.
Send state changes to Journal	Select this check box to send state changes to Journal.

5 Click **Output Status** to view whether the Active Status.

6 Click **Save**.

View and Edit Galaxy Secondary Devices

Depending on your victor Role assignment, you can view and edit Secondary Devices but cannot create Secondary Devices directly from victor.

1 Select **Galaxy Secondary Device** from **Show all Items** screen. The **Galaxy Secondary Devices** tab opens and a list containing all available secondary devices are displayed.

2 To Edit Secondary Devices, select **Galaxy Secondary Device** from **Edit Existing Item** screen.

3 Click **General**. In the expanded list, edit the required details:

Property	Description
Name	Enter or edit the name for the secondary device.
Description	Enter or edit the description for the secondary device.
Enabled	By default, the Enabled check box is selected.

4 Click the **Secondary Device Information** to view the Device Number.

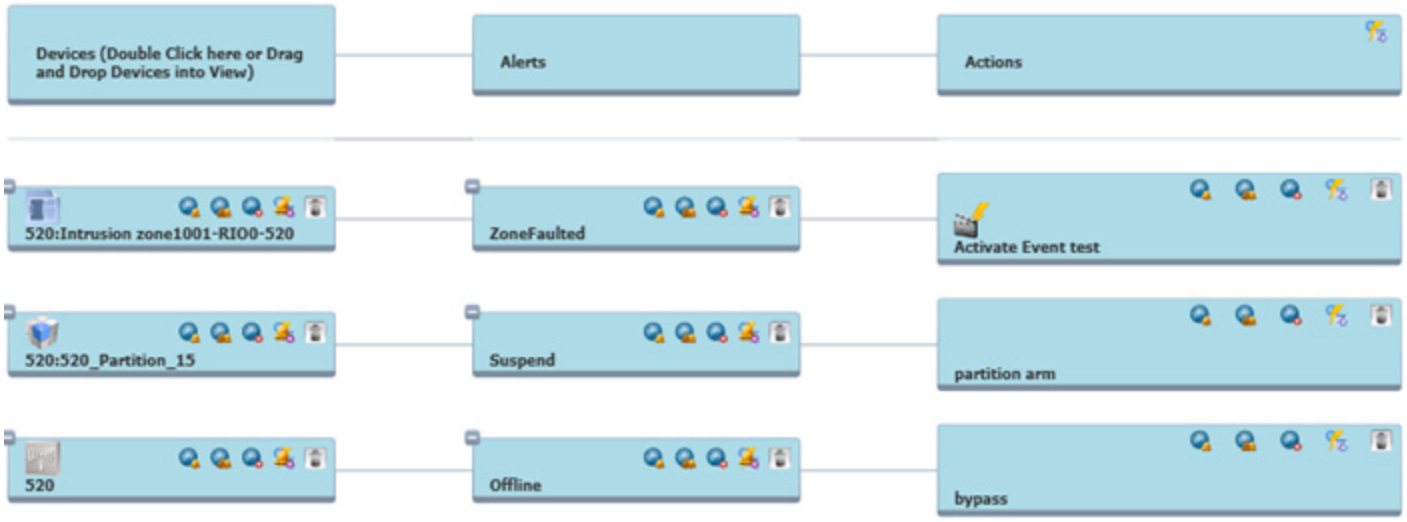
5 Click the **Secondary Device Zones** to view the zone information that is mapped to the secondary devices.

6 Click the **Secondary Device Output** to view the output information that is mapped to the secondary devices.

7 Click **Save**.

Configuring Galaxy Alerts

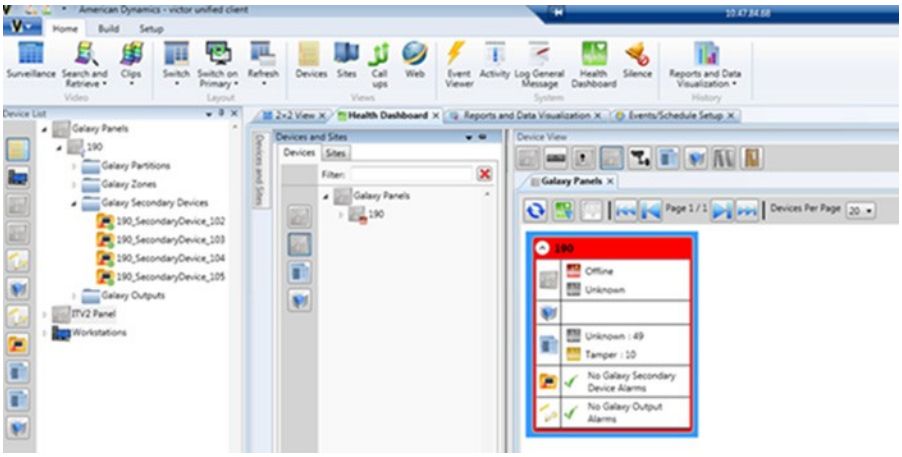
You can use the Event Setup editor to configure alerts for Galaxy Panels, Alerts, Zones and Outputs. You can configure alerts for Communication Status, Synchronization Status, and Trouble Status properties of panels.



Refer to Alert Types on page 29 for a full list of victor support alert types.

Health Dashboard

The health status of all Galaxy objects is annunciated in victor's Health Dashboard as follows:



Refer to Health Status on page 29 for a full list of supported health statuses.

Reports

You can use the victor journal type Journal Intrusion Message to search for Galaxy related report entries as detailed below:

For more information on reporting within victor, refer to the victor Unified Client / victor Application Server Administration and Configuration Guide.

Dynamic Views

All configured Galaxy Panels, Zones, Partition and Outputs can be displayed in victor's object list views (dynamic views). From here you can perform manual actions on configured objects.

Manual Actions

You can perform various manual actions from within victor client:

Panel Synchronization

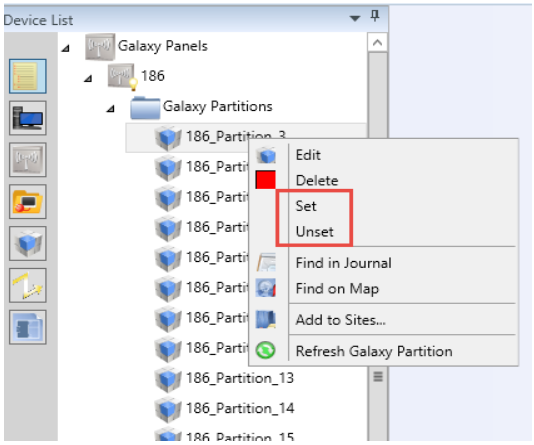
You can synchronize Galaxy panels directly from the victor device list.

- Select **Right Click>Synchronize** (Panel UI is disabled during synchronization)

Set and Unset Partitions

You can set or unset partitions directly from the victor device list.

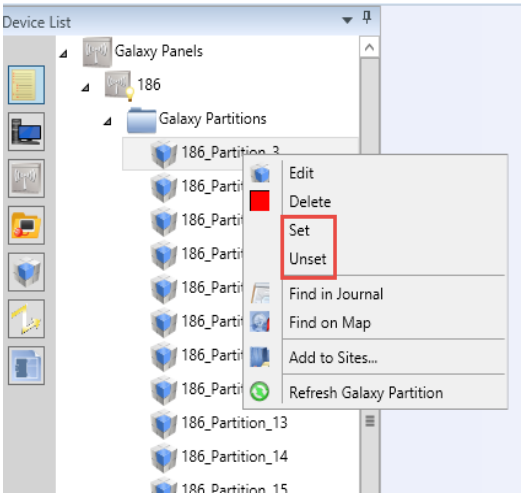
- To set the partition, right-click the partition and select **Set**.
- To unset the armed partition, right-click the partition and select **Unset**.



Activate and Deactivate Outputs

You can activate and deactivate outputs directly from the victor device list.

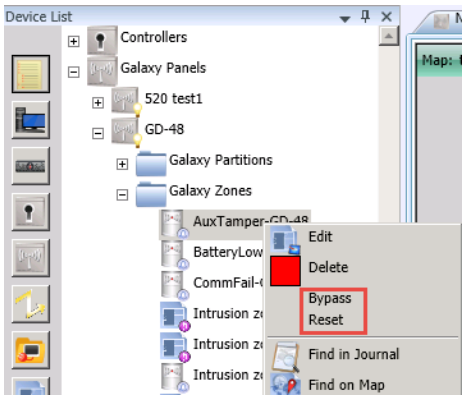
- To activate the output, right-click the output and select **Activate**.
- To deactivate the output, right-click the output and select **Deactivate**.



Bypass and Reset Zones

You can bypass and reset zones directly from the victor device list.

- To bypass the zone, right-click the zone and select **Bypass**.
- To reset the zone, right-click the zone and select **Reset**.

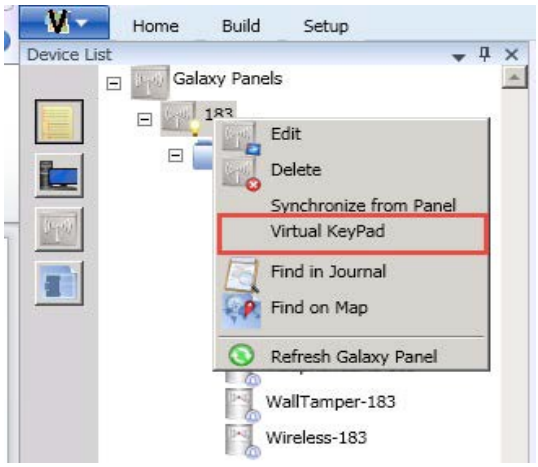


Accessing Virtual Keypad

Virtual keypad is used to acknowledge alarms. Follow the steps to access the virtual keypad:

- In **the Device List**, expand the **Galaxy Panels** folder.
- Right-click a panel and click **Virtual Keypad**.

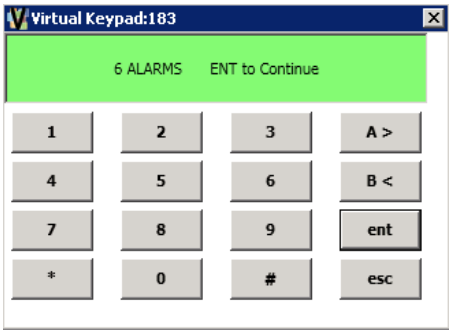
Figure 2: Accessing Virtual Keypad



Note:
On the context menu, the virtual keypad option is available only if:
• The Panel is online or enabled
• Synchronization is not in progress

The virtual keypad opens as shown in the following image:

Figure 3: Virtual Keypad



Note:
You can access either the physical keypad or the virtual keypad but cannot access both the keypads simultaneously.
• On a victor 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.

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.

Troubleshooting

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

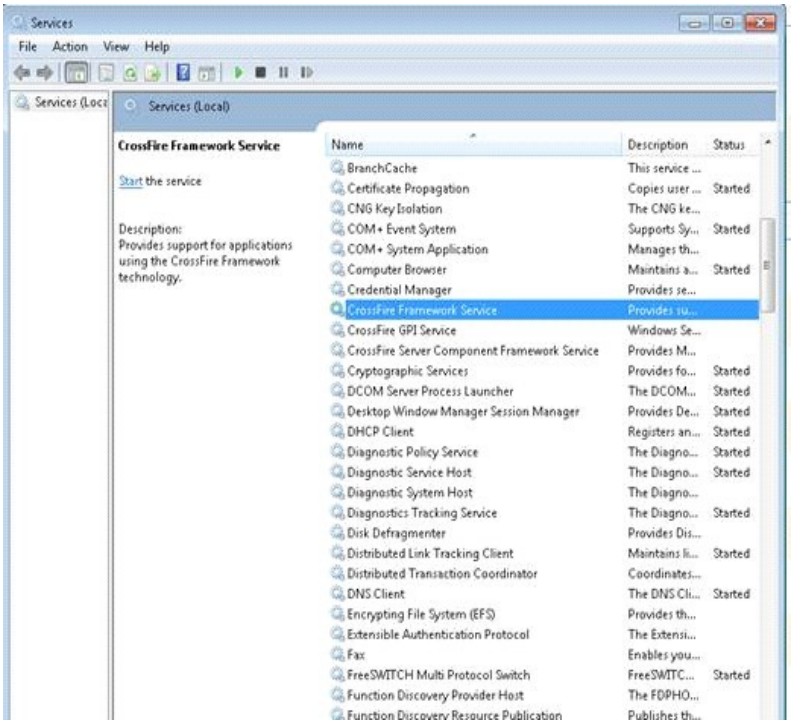
Problem:

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 the following image:



- Wait till the CrossFire service is stopped and then trigger the installation again. This will work fine as the service is stopped already.

Problem:

Occasionally Partition does not get Set

Solution:

This occurs if one or more zones in the partition are not in a normal condition. Check for the zone status in that partition and restore the state of the zone to normal.

OR

This occurs when multiple Partitions are selected and the user performs a Set/Unset manual action. In order to Set/Unset the Partition, it is recommended that you add the Partitions to a group and then perform a Set/Unset manual action on that group.

Problem:

The Galaxy Panel does not connect.

Solution:

Ensure that you have completed the following:

- Configure the Panel as per the instructions in Configuring Galaxy Panel to Communicate with victor.
- Check your firewall settings and ensure ports configured in the panel are opened.
- Disable the panel in victor and telnet to the panel on Command Port.

Problem:

Alarms are not received from the Panel.

Solution:

Complete the following:

- Check your firewall settings and ensure ports configured in the panel are opened.
- Configure the Panel as per the instructions in Configuring Galaxy Panel to Communicate with victor.

Appendix A: Alert Types

Use the Event Configuration editor to configure alerts for Galaxy objects. The following tables list the Galaxy object Alert Types that are supported in victor:

Table 3: Alert Types for Galaxy Panels

Panel Alert Type	Value
Online Status	Online Offline Disabled
Synchronization Status	Synchronizing Synchronized Synchronization Failed

Table 4: Alert Types for Galaxy Partitions

Partition Alert Type	Value
Armed State	Unknown Armed Disarmed Unset Setting Suspend Set Unsetting PartSetAndUnset AlarmAndUnset SystemAndUnset PAAlarmAndUnset TamperAndUnset PartSetAndSetting AlarmAndSetting SystemAndSetting

Partition Alert Type	Value
	PAAlarmAndSetting TamperAndSetting PartSetAndSuspend AlarmAndSuspend SystemAndSuspend PAAlarmAndSuspend TamperAndSuspend PartSetAndSet AlarmAndSet SystemAndSet PAAlarmAndSet TamperAndSet PartSetAndUnsetting AlarmAndUnsetting SystemAndUnsetting PAAlarmAndUnsetting TamperAndUnsetting
Armed State	PartSetAlarmAndUnset PartSetSystemAndUnset PartSetPAAlarmAndUnset PartSetTamperAndUnset PartSetAlarmAndSetting PartSetSystemAndSetting PartSetPAAlarmAndSetting PartSetTamperAndSetting PartSetAlarmAndSuspend PartSetSystemAndSuspend PartSetPAAlarmAndSuspend PartSetTamperAndSuspend PartSetAlarmAndSet

Partition Alert Type	Value
	PartSetSystemAndSet PartSetPAAlarmAndSet PartSetTamperAndSet, PartSetAlarmAndUnsetting PartSetSystemAndUnsetting PartSetPAAlarmAndUnsetting PartSetTamperAndUnsetting AlarmSystemAndUnset AlarmPAAlarmAndUnset AlarmTamperAndUnset AlarmSystemAndSetting AlarmPAAlarmAndSetting AlarmTamperAndSetting AlarmSystemAndSuspend AlarmPAAlarmAndSuspend AlarmTamperAndSuspend AlarmSystemAndSet AlarmPAAlarmAndSet AlarmTamperAndSet AlarmSystemAndUnsetting
Armed State	AlarmPAAlarmAndUnsetting AlarmTamperAndUnsetting SystemPAAlarmAndUnset SystemTamperAndUnset SystemPAAlarmAndSetting SystemTamperAndsetting SystemPAAlarmAndSuspend SystemTamperAndSuspend SystemPAAlarmAndSet SystemTamperAndSet

Partition Alert Type	Value
	SystemPAAlarmAndUnsetting SystemTamperAndUnsetting PartSetAlarmSystemAndUnset PartSetAlarmPAAlarmAndUnset PartSetAlarmTamperAndUnset PartSetAlarmSystemAndSetting PartSetAlarmPAAlarmAndSetting PartSetAlarmTamperAndSetting PartSetAlarmSystemAndSuspend PartSetAlarmPAAlarmAndSuspend PartSetAlarmTamperAndSuspend PartSetAlarmSystemAndSet PartSetAlarmPAAlarmAndSet PartSetAlarmTamperAndSet PartSetAlarmSystemAndUnsetting PartSetAlarmPAAlarmAndUnsetting PartSetAlarmTamperAndUnsetting, PartSetAlarmSystemTamperAndUnset PartSetAlarmSystemTamperAndsetting PartSetAlarmSystemTamperAndSuspend
Armed State	PartSetAlarmSystemTamperAndSet PartSetAlarmSystemTamperAndUnsetting PartSetAndAlarm PartSetAndSystem PartSetAndPAAlarm PartSetAndTamper AlarmAndSystem AlarmAndPAAlarm AlarmAndTamper SystemAndPAAlarm

Partition Alert Type	Value
	SystemAndTamper PartSetAlarmSystemPAAlarmAndTamper PartSetAlarmSystemPAAlarmAndUnset PartSetAlarmSystemPAAlarmAndSetting PartSetAlarmSystemPAAlarmAndSuspend PartSetAlarmSystemPAAlarmAndSet PartSetAlarmSystemPAAlarmAndUnsetting AlarmSystemPAAlarmTamperAndUnset AlarmSystemPAAlarmTamperAndSetting AlarmSystemPAAlarmTamperAndSuspend AlarmSystemPAAlarmTamperAndSet AlarmSystemPAAlarmTamperAndUnsetting AlarmSystemPAAlarmAndUnset AlarmSystemAndPAAlarmAndSetting AlarmSystemAndPAAlarmAndSuspend AlarmSystemAndPAAlarmAndSet, AlarmSystemAndPAAlarmAndUnsetting PartSetSystemPAAlarmAndUnset PartSetSystemPAAlarmAndSetting PartSetSystemPAAlarmAndSuspend
Armed State	PartSetSystemPAAlarmAndSet PartSetSystemPAAlarmAndUnsetting PAAlarmTamperAndUnset PAAlarmTamperAndSetting PAAlarmTamperAndSuspend PAAlarmTamperAndSet PAAlarmTamperAndUnsetting SystemPAAlarmTamperAndUnset SystemPAAlarmTamperAndSetting SystemPAAlarmTamperAndSuspend

Partition Alert Type	Value
	SystemPAAlarmTamperAndSet SystemPAAlarmTamperAndUnsetting AlarmPAAlarmTamperAndUnset AlarmPAAlarmTamperAndSetting AlarmPAAlarmTamperAndSuspend AlarmPAAlarmTamperAndSet AlarmPAAlarmTamperAndUnsetting AlarmSystemTamperAndUnset AlarmSystemTamperAndsetting AlarmSystemTamperAndSuspend AlarmSystemTamperAndSet AlarmSystemTamperAndUnsetting PartSetPAAlarmTamperAndUnset PartSetPAAlarmTamperAndSetting PartSetPAAlarmTamperAndSuspend PartSetPAAlarmTamperAndSet PartSetPAAlarmTamperAndUnsetting PartSetSystemTamperAndUnset PartSetSystemTamperAndsetting PartSetSystemTamperAndSuspend
Armed State	PartSetSystemTamperAndSet PartSetSystemTamperAndUnsetting PartSetPAAlarmSystemTamperAndUnset PartSetPAAlarmSystemTamperAndsetting PartSetPAAlarmSystemTamperAndSuspend PartSetPAAlarmSystemTamperAndSet PartSetPAAlarmSystemTamperAndUnsetting PartSetAlarmPAAlarmTamperAndUnset PartSetAlarmPAAlarmTamperAndSetting PartSetAlarmPAAlarmTamperAndSuspend

Partition Alert Type	Value
	PartSetAlarmPAAlarmTamperAndSet PartSetAlarmPAAlarmTamperAndUnsetting

Table 5: Alert Types for Galaxy Zones

Zone Alert Type	Value
AlarmStatus	Alarm Alarm Restore
Active Status	Active Inactive Disabled
Hardware Status	Closed Open Short Circuit Open Circuit Low Resistance High Resistance Masked Faulted
Supervision Status	Zone Masked Zone Faulted Zone Supervision Fail Bypass Suspended Soak Test Reset Closed Loop Open Loop Trouble Tamper

Zone Alert Type	Value
	Soak Test and Omitted

Appendix B: Health Status

The following tables list the Galaxy object Health status annunciations that are supported in victor.

Table 6: Health status for Galaxy Panels

Panel Status	Health Status
Online Synchronized Synchronizing	Normal
Offline SynchronizationFailed	Device Alert
Disabled Unknown	Unknown

Table 7: Health status for Galaxy Partitions

Partition Status	Health Status
Setting/ Unset/ Unsetting/ Set/ Suspend/ Armed/ Disarmed	Normal
AlarmAndSet / AlarmSystemAndSet / TamperAndSet / AlarmTamperAndSet / SystemTamperAndSet / PartSetAndTamper / AlarmAndTamper / SystemAndTamper / PAAlarmTamperAndSet / AlarmPAAlarmTamperAndSet / AlarmSystemTamperAndSet / SystemPAAlarmTamperAndSet /AlarmTamperAndUnset / SystemTamperAndUnset / AlarmSystemTamperAndSuspend / AlarmAndPAAlarm / AlarmAndSuspend / AlarmAndSystem / AlarmAndUnset / AlarmPAAlarmAndSet / AlarmPAAlarmAndUnset / AlarmPAAlarmTamperAndUnset / AlarmSystemAndPAAlarmAndSuspend / AlarmSystemAndSetting / AlarmSystemAndUnset / AlarmSystemPAAlarmAndUnset / AlarmSystemPAAlarmTamperAndSetting / AlarmSystemPAAlarmTamperAndSet / AlarmSystemPAAlarm TamperAndUnset / AlarmSystemTamperAndsetting / AlarmSys temTamperAndUnset / AlarmTamperAndSuspend / PAAlarmAndUnset / PAAlarmTamperAndSuspend / PAAlarmTamperAndUnset / PartSetAndPAAlarm / PartSetAlarmAndSet / PartSetAlarmAndUnset / PartSetAlarmPAAlarmAndSet / PartSetAlarmPAAlarmTamperAndUnset / PartSetAlarmSystemPAAlarmAndSet / PartSetAlarmSystemPAAlarmAndTamper / PartSetAlarmSystemTamperAndSet / PartSetAlarmSystemTamperAndUnset / PartSetAlarmTamperAndSet / PartSetAlarmTamperAndUnset / PartSetPAAlarmAndSet / PartSetTamperAndSet / PartSetTamperAndUnset / PartSetSystemTamperAndUnset / PartSetSystemTamperAndSet / PartSetSystemPAAlarmAndUnset / PartSetSystemPAAlarmAndSet	At Risk
Unknown	Unknown

Table 8: Health status for Galaxy Zones

Zone Status	Value
ClosedLoop / Closed / Active / NORMAL	Normal
Tamper / Trouble / ShortCircuit / Open / OpenCircuit / LowResistance / HighResistance / Masked / Faulted	At Risk
Inactive / Disabled / Alarm	Device Alert
Unknown	Unknown

Table 9: Health status for Galaxy Outputs

Output Status	Value
Inactive / Active	Normal

Table 10: Health status for Galaxy Outputs

Output Status	Value
Normal/ModuleRestored	Normal
Tamper/Trouble	AT_RISK
ModuleMissing	Device Alert
Unknown	Unknown

Appendix C: Galaxy Journal Messages

The following table lists the Journal messages that are reported by the Galaxy Integration products to the victor database:

Table 11: Journal Messages Reported to victor by the Galaxy Integration

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

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

Hardware Status	Alarm Status	Supervision Status	Condition	Activity Viewer/Journal Message
FAULT	Normal	Bypass	Acknowledged	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
CLOSED	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
OPEN	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
SHORT CIRCUIT	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
OPEN CIRCUIT	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
LOW RESISTANCE	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
HIGH RESISTANCE	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
MASKED	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
FAULT	Normal	Suspended		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
CLOSED	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
OPEN	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
SHORT CIRCUIT	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal

Hardware Status	Alarm Status	Supervision Status	Condition	Activity Viewer/Journal Message
OPEN CIRCUIT	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
LOW RESISTANCE	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
HIGH RESISTANCE	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
MASKED	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
FAULT	Normal	SoakTest		Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
CLOSED	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
OPEN	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
SHORT CIRCUIT	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
OPEN CIRCUIT	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
LOW RESISTANCE	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
HIGH RESISTANCE	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal
MASKED	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal

Hardware Status	Alarm Status	Supervision Status	Condition	Activity Viewer/Journal Message
FAULT	Normal	Reset	Reset manual action from victor	Changes in any/combination of the status (Hardware/Alarm/Supervision status) will reflect in Activity Viewer/Journal

When an area is disarmed and the zone under that area is bypassed, Supervision status of that zone is reset.

Galaxy Zones Status in victor

The priority of icons displayed for Galaxy Zones in victor is as follows:

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

The following table lists details about the input statuses in victor and the Status Images assigned to them. Active or Inactive status is displayed only for the conditions displayed in this table.

Table 12: Input Status in victor

Status	Input Status in victor				
	Active Status	Hardware Status	Alarm Status	Supervision Status	Status Image
Alarmed and Open	Active	Open	Alarm	Open Loop	Active
Alarmed and Short Circuited	Active	Short Circuit	Alarm	Tamper	Active
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

Status	Input Status in victor				
	Active Status	Hardware Status	Alarm Status	Supervision Status	Status Image
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	Byass
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
Suspended and Faulted	Inactive	Fault	Normal	Suspended	Inactive
Soak Test	Inactive	Closed	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

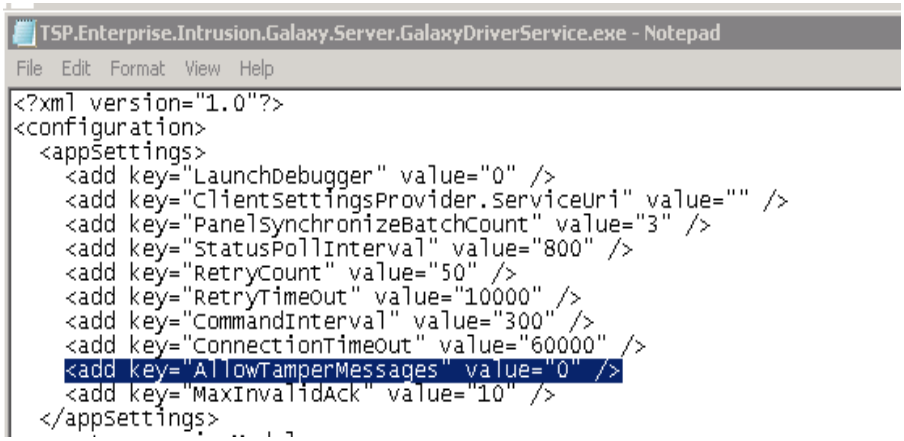
Status	Input Status in victor				
	Active Status	Hardware Status	Alarm Status	Supervision Status	Status Image
Soak Test and Masked	Inactive	Masked	Normal	Soak Test	Inactive
Soak Test and Faulted	Inactive	Fault	Normal	Soak Test	Inactive
Soak Test, Omitted, and Closed	Inactive	Closed	Normal	Bypass	Inactive
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	Soak Test and Omitted	Inactive

Appendix D: 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.

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 4: Config Key - AllowTamperMessages



The following table lists the different combinations of Enabled check box and AllowTamperMessages config entry and the expected results.

Table 13: Different Combinations of Enabled Check Box and AllowTamperMessages Config Entry

Sl. No	Partition Status	AllowTamperMessages config entry	Enabled check box	Result on generating Alarms (ShortCircuit, OpenCircuit, LowResistance, HighResistance, Masked, Faulted, ZoneMasked, ZoneFaulted, Tamper, Trouble, Alarm)	Results of clearing the alarm or tamper	Result on generating toggling (PIR) (Open /Open Loop/Close/Closed Loop)	Results on changing the toggle switch
1	Set	1	Disabled	Alarm is reported in victor. All statuses (Alarm,	Closed and closed loop is	Alarm is reported in victor. All statuses (Alarm, Active, HW and Supervision) change in Dynamic	Closed and closed loop is

Sl. No	Partition Status	AllowTamperMessages config entry	Enabled check box	Result on generating Alarms (ShortCircuit, OpenCircuit, LowResistance, HighResistance, Masked, Faulted, ZoneMasked, ZoneFaulted, Tamper, Trouble, Alarm)	Results of clearing the alarm or tamper	Result on generating toggling (PIR) (Open /Open Loop/Close/Closed Loop)	Results on changing the toggle switch
				Active, HW and Supervision) change in Dynamic View and are journaled in victor.	reported in victor. Alarm is then cleared in victor.	View and are journaled in victor.	reported in victor. Alarm is then cleared in victor.
2	Set	1	Enabled	Alarm is reported in victor. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in victor.	Closed and closed loop is reported in victor. Alarm is then cleared in victor.	Alarm is reported in victor. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in victor.	Closed and closed loop is reported in victor. Alarm is then cleared in victor.
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 victor. All statuses (Alarm, Active, HW and Supervision)	Closed and closed loop is reported in victor.	Alarm is reported in victor. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are	Closed and closed loop is reported in victor.

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

Sl. No	Partition Status	AllowTamperMessages config entry	Enabled check box	Result on generating Alarms (ShortCircuit, OpenCircuit, LowResistance, HighResistance, Masked, Faulted, ZoneMasked, ZoneFaulted, Tamper, Trouble, Alarm)	Results of clearing the alarm or tamper	Result on generating toggling (PIR) (Open /Open Loop/Close/Closed Loop)	Results on changing the toggle switch
					View. No journaling.		View. No journaling.
8	Unset	0	Enabled	Alarm is reported in victor. All statuses (Alarm, Active, HW and Supervision) change in Dynamic View and are journaled in victor.	Closed and closed loop is reported in victor. Alarm is then cleared in victor.	HW, Active, Supervision states change (Open, open loop, active) and journaled in victor. Alarm states do not change and are not journaled.	Closed and closed loop is reported in victor. Alarm is then cleared in victor.