American
Dynamics

DSC PowerSeries Integration for victor 6.0 User Guide

Johnson
Controls

Contents

Introduction

The victor DSC PowerSeries Integration provides advanced integration with the DSC PowerSeries Security System. The integration allows customers to monitor their intrusion system devices from the victor Client interface.

The general DSC PowerSeries Security System consists of DSC control panels, one or more keypads and various sensors and detectors. All the keypads have an audible indicator and command entry key. You can use keypads to send commands to the system and to display the current system status. The security system has several zones of area protection, and each of these zones is connected to one or more sensors, such as Motion detectors or door contacts. A sensor in alarm will be indicated by corresponding zone.

The service can be used by victor to access DSC Control Panels through the IT-100 data integration module.the module provides an Application Programming Interface to allow third-party applications to communicate with the PowerSeries Security System.

The union of this high-end DSC PowerSeries product and victor Client provides extensive system integration opportunities. It allows you to import a DSC Control Panel configuration and acquire DSC Control Panel status changes. Partition and Zone status and all alarms, troubles, and emergency information from the DSC PowerSeries Security System are stored in victor's detailed journal. The integration also provides a virtual keypad.

ⓘ **Note:** The only way to change the configuration in the physical DSC panel is to use the actual keypad or virtual keypad.

Features

The following is a list of major features supported by the victor DSC PowerSeries Integration:

- PC1864, PC1832, and PC1616 panels.
- Remote management of DSC panels through Lantronix devices.
- Communication with the DSC panel, journal and acquisition of panel, partition, and zone status.
- Arm and disarm partition.
- Import panel configuration, and show partition and zone mapping.
- Use of the virtual keypad.
- Implement arm/disarm partition, Fire/Auxiliary/Panic alarm, and command output actions.

Architecture

The objective of the victor DSC PowerSeries Integration service is to provide a standard interface between the DSC PowerSeries product family and victor through an RS-232 serial port or network port when you used UDS1100 to convert serial port of IT-100 module into a network port. The service listens to DSC PowerSeries unsolicited messages and communicates them to victor. victor processes these messages and communicates them to users as object state changes, activities, events, and alarms according to the way the DSC PowerSeries objects in the victor database are configured. You can view these through victor Journal messages. The DSC PowerSeries Integration service gives you the ability to import a DSC panel's configuration in victor, and arm/disarm partitions.

Configuring the connection to a DSC Panel

DSC panel hardware must have an IT-100 module to provide an RS-232 serial port to connect to DSC PowerSeries Integration. This section explains how to configure the connection to a DSC panel in the victor system.

Serial Connectivity Settings

To connect the IT-100 module to the victor server's COM port, use a null-modem RS-232 cable with a DB25 connector on the DSC panel end, and a DB9 connector on the victor server end.

You need to configure both the IT-100 module and the victor DSC integration with the same communication settings.

Network Connectivity Settings

To use a network port to establish communication between the victor server and DSC panel, you must use the third party device to convert the serial port into network port. This is intended for users that use third party UDS1100 hardware with the victor DSC PowerSeries Integration system. This is a brief instruction on how to install the UDS1100 hardware device and how to use it to convert a serial port to network port. Refer to the *UDS1100 User Guide* for more information.

Installing the UDS1100 Hardware Device

1. Connect the serial port of IT-100 to the serial port of UDS1100 unit by a straight-through RS-232 cable. The IT-100 uses only the RX, TX, and GND connections.
2. Connect an Ethernet cable to the RJ45 port of UDS1100 unit.
3. You can supply power to the UDS1100-POE unit through the Ethernet interface using an 802.3afPOE-compliant power source such as a POE midspan or POE Ethernet switch.
4. For a non-POE UDS1100 unit, supply power to the UDS1100 unit using the power supply that was included in the packaging.

   ⓘ   **Note:** The required input voltage for the non-POE DUS1100 is 9-30 VDC (center +) or 10-24 VAC, 1.5 W maximum power required.

Figure 1: UDS1100-POE unit
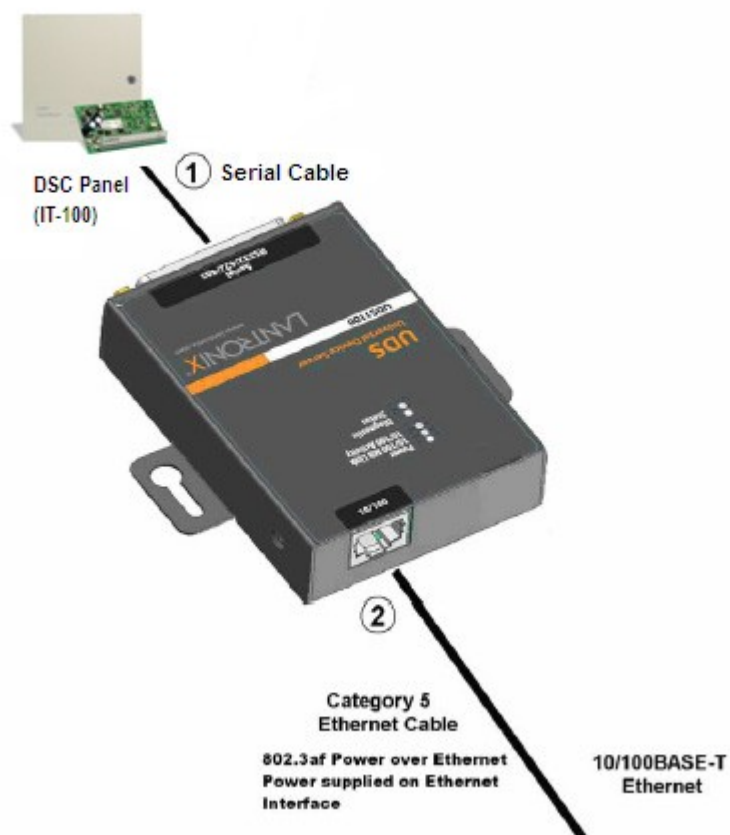
Callout	Description
1	Serial cable
	DSC Panel IT-100
2	Category 5 Ethernet Cable
	802.3af Power ove Ethernet Power supplied on Ethernet Interface
	10/100 BASE-T Ethernet

Figure 2: non-POE UDS1100 unit
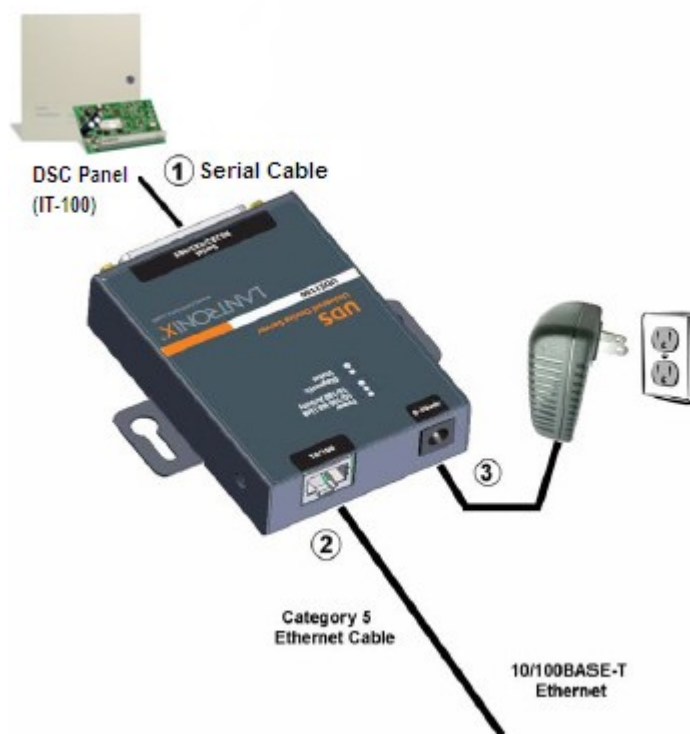
Callout	Description
1	Serial cable
	DSC Panel IT-100
2	Category 5 Ethernet Cable
	10/100 BASE-T Ethernet
3	1.5 W maximum power source

Assigning an IP Address and TCP Port

About this task:
To complete this task, you need to install the Device Installer Utility. See *UDS1100 User Guide* for more information about Device Installer Utility.

1. Open your web browser and type 172.18.11.190 in the Address Bar. This is the default address. The USD1100 prompts for a user name and password.
2. Perform one of the following:
   a. If no Telnet password has been defined, leave both fields blank and click **OK**.
   b. If a Telnet password has been defined, leave the username blank, type in the password, and click **OK**. The Web-Manager displays.
3. From the left main menu select **Network**. The Network Setting page displays.
4. In Network Setting page, you can assign an IP Address automatically or manually. If you select Network Port in DSC panel **General** tab, in the IP Address field, enter the IP Address configured here.

5. If you want to assign an IP Address automatically, select **Obtain IP Address automatically**:
    - **BOOTP**
    - **AutoIP**
    - **DHCP**
    - **DHCP**
6. If you want to assign an IP Address manually: Select **Use the following IP configuration**.
    a. Select the required configuration. See Network Settings Options for more information regarding these fields.
7. Select **Auto Negotiate**. For descriptions of this field, see Network Settings Options.
8. To finish, click **OK**.

Assigning a TCP Port

1. In the Web-Manager page, select **Connection** from the left main menu.
2. On the Connection Settings page, from the **Protocol** drop-down list, select **TCP** .
3. From the **Active Connect** dropdown list, select **Auto Start**.
4. In the **Local Port** field, type the port number. If you select Network Port in the DSC Panel **General** tab enter this number in the **TCP Port** field.
5. Click **OK** to finish.

Network settings options

Table 1: Network settings options

Options	Descriptions
BOOTP	Select **Enable** to permit the Bootstrap Protocol (BOOTP) server to assign the IP address from a pool of addresses automatically. Enable is the default.
DHCP	Select **Enable** to permit the Dynamic Host Configuration Protocol (DHCP) to assign a leased IP address to the UDS 1100 unit automatically. Enable is the default.
AutoIP	Select **Enable** to permit the UDS1100 to generate an IP in the 169.254.x.x address range with a Class B subnet. Enable is the default.
DHCP Host Name	Enter the name of the host on the network that provides the IP address.
IP Address	If DHCP is not used to assign IP addresses, enter the address manually in decimal-dot notation. The IP address must be set to a unique value in the network.
Subnet Mask	You can use a subnet mask to assign a specific number of bits from the IP address for the host part.
Default Gateway	The gateway address, or router, allows communication to other LAN segments. The gateway address should be the IP address of the router connected to the same LAN segment as the unit. The gateway address must be in the local network.
DHCP Server	The DNS server allows the name of a remote machine to be resolved automatically. Enter the IP address of the DNS server. If the device is DHCP enabled, the DHCP server provides the DNS server IP address, which
Auto Negotiate	With this option, the Ethernet port auto-negotiates the speed and duplex with the hardware endpoint to which it is connected. This is the default. If this option is not selected, Speed and Duplex become available: Speed is the rate of data transmission. The default setting is 100 Maps. Duplex is the direction of data transmission. The default setting is Full.

Installation

Install victor Client before you install the Integration. For information on how to install victor, refer to the *victor Administration guide*.

Install the DSC PowerSeries Integration on every victor server and client system.

The DSC PowerSeries Integration has the same hardware, software, and disk space requirements as victor Client. If the target computer can install victor, then it satisfies the DSC PowerSeries Integration requirements.

You need to perform the installation process described in the following pages on each computer in your victor system.

ⓘ **Note:** Be advised that the DSC PowerSeries Integration installation shuts down temporarily and the CrossFire Services restart. Therefore, plan the the DSC PowerSeries installation accordingly.

Installing the DSC PowerSeries integration

Before you begin:
Before installing the DSC PowerSeries Integration, ensure the following:

- To install the DSC PowerSeries Integration on a corporate network, coordinate with your corporate network administrator.
- The required Windows permissions.
- Membership of the local administrators group or that you have equivalent privileges.

ⓘ **Note:** Refer to the Microsoft Operating System documentation or your system administrator for more information.

About this task:

ⓘ **Note:** The DSC PowerSeries Integration installation temporarily shuts down and restarts the CrossFire services. The DSC PowerSeries Integration should be planned accordingly.

To install the DSC PowerSeries integration, complete the following steps:

1. Double-click setup.exe. .

    A Tyco CrossFire Service Alert appears indicating that Tyco CrossFire services will be shut down

2. To continue installation, click **OK**. The Welcome dialog box opens.
3. Click **Next**. The License Agreement dialog box opens.
4. Select the **I accept the terms of the license agreement** check box, and then click **Next**.

    ⓘ **Note:** If you are installing the DSC PowerSeries integration on a victor server computer, the Database Server dialog box opens. The dialog box automatically selects the victor database server/instance and catalog. From this dialog box you can choose the authentication method.

5. Click **Next**.

    The Ready to Install the Program dialog box opens.
6. Click **Install**. The Installing victor DSC PowerSeries Integration dialog box opens.

    When the installation is complete, the InstallShield Wizard Completed dialog box opens.
7. To automatically start the CrossFire Services after the installation, select the **Start the Tyco CrossFire services** check box.

8. Click **Finish**.

Starting the Server Application Services

Before you begin:
Before you can configure a DSC PowerSeries integration object, the **CrossFire Framework Service**, **CrossFire Server Component Framework Service**, and **DSC PowerSeries Driver Service** must be running.

If you do not select the **Start the Tyco CrossFire services** check box during the installation, you must manually start the services.

1. From the Start Menu, select **Start**>**All Programs**>**Tyco**>**Server Configuration**.
2. In the Server Configuration Application, click the **Services** tab.
3. If the Status is Stopped for the CrossFire Framework Service under **Framework Services**, click **Start.**
4. If the Status is Stopped for the Crossfire Server Component Framework Service under Framework Services, click **Start**.

   ⓘ **Note:** Proceed to Step 5 after the CrossFire Framework Services each display a status of Running.

5. If the DSC PowerSeries Driver Service does not display as Running, select the **Enabled** check box, and click **Start**. When the Crossfire Framework Service, CrossFire Server Component Framework Service, and the DSC PowerSeries Driver Service each display a status of **Running**, you can configure DSC PowerSeries objects in victor.

Uninstalling the DSC PowerSeries Integration

Before you begin:
This section describes how to uninstall the DSC PowerSeries Integration from the Server computer and Client computers in your security system.

The uninstall process removes all software components that were installed on the computer by the DSC PowerSeries integration installation.

Uninstalling this integration does not automatically remove objects that were configured in the victor Client. Before you proceed with this uninstall, you must manually remove the objects from victor to avoid potential issues with functions, such as partition deletion. Unless you intend to reinstall the integration and continue using it, ensure that the objects are deleted before removing the integration.

⚠ **CAUTION:** The DSC PowerSeries Integration uninstall procedure shuts down and restarts the CrossFire services. Plan the The DSC PowerSeries Integration uninstall accordingly.

The uninstall procedure described is on a Windows 10 system. For other supported operating systems, refer to your operating system guide.

To uninstall the DSC PowerSeries integration, complete the following steps:

1. Close all open applications.
2. From the Windows **Start** menu, select **Settings**>**Apps**.
3. In the list, click **DSC PowerSeries Integration**.
4. Click **Modify**.
5. Click **Next**. The Synchronize or remove installation dialog box opens.
6. Click **Remove** and click **Next**. The Ready Remove dialog box opens.

7. Select from the following:
   - Leave the **Drop database tables** check box unchecked and the databases used in the DSC PowerSeries integration configurations are kept. Select this option to keep the existing configurations if you plan to reinstall the DSC PowerSeries integration at a later date.
   - Select the **Drop database tables** check box, and the databases used in the DSC PowerSeries integration configurations are deleted.
8. Click **Remove**. The Removing dialog box opens.

   ⓘ **Note:** If there are files in use that need to be updated by the uninstall, the Files in Use dialog box opens. You need to close the applications listed, and then go back and click **Retry** to continue with the uninstall.

9. The InstallShield Wizard Completed dialog box opens when the uninstall is complete. Select the **Start the Tyco CrossFire services** check box to automatically start the services. Selecting this check box means you do not have to manually start the Tyco CrossFire services.
10. Click **Finish**.

DSC panels

To add a DSC panel to victor, or to edit or delete a DSC panel perform the following tasks.

Adding a DSC panel

1. In the Navigation bar, click the **New** icon, and then click **DSC Panel**. The DSC panel editor appears.
2. Enter a **Name**.
3. Enter a **Description**.
4. Select the **Enabled** check box to put the panel online after configuration.
5. Select either **Serial Port** or **Network Port** depending on the communication requirements for the panel.

   ⓘ **Note:** Fields modify depending on whether you choose the **Serial Port** or **Network Port** option. Refer to DSC panel editor fields for further information regarding these fields.

6. Enter the **Installer Code** of this panel.
7. Select a time in minutes for the **Auto Time Update Delay**.
8. Select a time zone for the panel.
9. Select the **Add** icon to add associated hardware to this panel.
10. Click **Save**.

Editing a DSC panel

1. In the Navigation bar, click the **Edit** icon, and then select **DSC Panel**.
2. Select the panel that you want to edit. The DSC panel editor opens.
3. Editing a DSC panel requires the panel to be offline. If the panel is already enabled, clear the **Enabled** check box and click **Save**.
4. Edit the panel as required.
5. Click **Save**.

Deleting a DSC panel

1. In the Navigation bar, click the **Show All** icon, and then click **DSC Panel**. A list of configured DSC panels displays.
2. Right-click the panel that you want to delete and click **Delete**.The **Deleting Objects in Use** dialog box appears.
3. Click **Yes**.

DSC panel editor fields

The following tables describe the fields of the DSC panel editor.

General section

Field	Description
Name	Enter a unique name up to 50 characters long for the DSC panel.
Description	Enter a general comment about the Panel.
Enabled	Select this option to establish the communication between victor and the DSC panel. ⓘ **Note:** Note: If you cannot enable it successfully, please check your connection. Clear this option to disable the DSC panel.

Communication Protocol section

Field	Description
Communication Type	**Serial Port**: In the **COM Port** drop-down list, select the COM Port number connected to serial port of IT-100 module, with which the DSC panel communicates with the DSC hardware. In the Baud Rate drop-down list, select associated baud rate. The default baud rate is 9600.
	Network Port: Type the IP address and TCP Port when you used UDS1100 to convert serial port of IT-100 module into a network port, with which the victor server can remote manage DSC panel.
Installer Code	This is the installer code for the panel.
Software Version	This field displays the software version of the panel.
Auto Time Update Delay (min)	This field displays the time interval for updating the date and time in the DSC system.
Last Sync Partition-Zone Time	This field displays the specific time when you last synchronized the partition and zone mapping.
Synchronize	Click this field to synchronize the partition and zone mapping from DSC hardware when it is connected to victor.
Time Zone	This field displays the current time zone configured on the DSC panel or configures the time zone for the panel.

Panel Status

Field	Values	Description
Online Status	Online	The panel is online.
	Offline	The panel is offline.
	Disabled	The panel is unavailable.
Trouble Status	Trouble	The DSC panel is in trouble status and the trouble LED is ON.
	Unknown	The DSC driver is shut down or disabled.
	Normal	The DSC panel is not in trouble status.

Field	Values	Description
Tamper Status	Tamper	The system is tampered.
	Unknown	The DSC driver is shut down or disabled.
	Normal	The DSC panel is not in Tamper status.
Communication Status	Comm Unknown	The DSC driver is shut down or disabled.
	Comm Fail	The Com Port connection failed.
	Comm Normal	The Com Port connection is successful.

Configuring DSC Partitions

A DSC Partition object represents the partitions in the victor database. To edit, arm or disarm or to select a partition command output, perform one of the following tasks.

Editing a DSC Partition

1. From the **Navigation** bar, click **Edit**.
2. Click **DSC Partitions**.
3. Select the partition that you want to edit. The DSC Partition editor appears.
4. Make the required edits for the partition. For more information regarding the DSC Partition editor, see Fields of the DSC Partition editor.
5. Select **Save**.

Arming a Partition

1. From the **Navigation** bar, click **Show All**.
2. Click **DSC Partitions**.
3. Right-click the partition and then select **Arm** from the drop-down list.
4. The **Partition Operation** dialog box opens. Select an operation mode and click **OK**. If armed successfully, the dialog box closes automatically.
5. **Optional:** You can check the partition's status in the Partition Status section of the DSC Partition editor. If the partition fails to arm, the dialog box remains open and is registered in the **Activity** list.

Disarming a Partition

1. From the **Navigation** bar, click **Show All**

2. Click **DSC Partitions**.
3. Right-click the partition you want to disarm, and then select **Disarm** from the drop-down list. The Partition Operation dialog box opens.
4. The default operation mode is **Disarm with Code**.
5. Type the Access Code in the **Access Code** field and click **OK**.

Using Command Output

About this task:
Selecting Command Output for a partition activates any PGM output assigned to the command output in a partition.

1. From the **Navigation** bar, click **Show All**, and then click **DSC Partitions**.
2. Right-click the partition and select **Command Output** from the drop-down list. The Partition Command Output dialog box appears.
3. Select an output and click **OK**.
4. If the DSC hardware requires an access code, the Code Operation dialog box appears. Enter the valid access code and click **OK**. The DSC panel activates any PGM output assigned to the selected command output in this partition.

Fields of the DSC Partition editor

The following tables describe the fields of the DSC Partition editor.

General section

Table 2: DSC panel editor general section

Field	Description
Name	Displays a unique name up to 50 characters long for the DSC partition.
Description	Enter a general comment about the DSC partition.
Enabled	Select this option to enable this DSC partition or clear this option to disable the DSC partition.

Partition Information section

Table 3: DSC panel editor partition information section

Field	Description
Partition Number	Displays the DSC partition number.
Assigned To	Displays which DSC panel this partition belongs to.
Send state changes to Activity	Select this option to send changes to the Activity list.

Associations section

Table 4: DSC panel editor associations section

Field	Description
	Click the add icon to associate additional hardware with this partition.

Partition Status section

DSC panel editor partition status section

Field	Values	Description
Ready Status	Ready	Ready to arm.
	Not Ready	Not ready to arm.
	Busy	The Keypad is occupied.
	Unknown	The DSC driver is shut down or disabled.
Armed Status	Away armed	The partition is away armed.
	Stay armed	The partition is stay armed.
	Disarmed	The partition is disarmed.
	Unknown	The DSC driver is shut down or disabled.
Alarm Status	Alarm	The partition is in fault status.
	Normal	The partition is normal, no alarm.
	Unknown	The DSC driver is shut down or disabled.

DSC Zones

A DSC Zone refers to the physical interface in the panel. The DSC Zone editor provides related zone information.

Editing a DSC Zone

About this task:
To edit a DSC Zone, complete the following steps:

1. In the Navigation bar, click the **Edit** icon, and then select DSC Zones.
2. Select the zone. The DSC Zone editor appears.
3. Make the edits you require for the partition. See Fields of the DSC Zone editor for more information regarding the fields of this editor.
4. Click **Save**.

Fields of the DSC Zone editor

The following sections describe the fields of the DSC Zone editor.

General section

Field	Description
Name	Displays a unique name up to 50 characters long for the DSC zone.
Description	Enter a general comment about the DSC zone.
Enabled	Select this option to enable this DSC zone or clear this option to disable the DSC zone.

Zone Information section

Field	Description
Zone Number	Displays the DSC zone number.
Assigned To	Displays which DSC panel this zone belongs to.
Send state changes to Activity	Select this option to send changes to the Activity list.

Partitions section

The partitions section displays information of the partition that belongs to this zone.

Associations section

Field	Description
	Click the add icon to associate additional hardware with this zone.

Zone Status section

| Field	Values	Description
Alarm Status	Alarm	The zone is in alarm status.
	Alarm Restore	The zone is not in alarm status.
	Unknown	The DSC driver is shut down or disabled.
Tamper Status	Tamper	The zone is in tamper status.
	Tamper Restore	The zone is not in tamper status.
	Unknown	The DSC driver is shut down or disabled.
Fault Status	Fault	The zone is in fault status.
	Fault Restore	The zone is not in fault status.
	Unknown	The DSC driver is shut down or disabled.
Open Status	Open	The zone is in open status.
	Open Restore	The zone is not in open status.
	Unknown	The DSC driver is shut down or disabled.

19

Virtual Keypad

Visual Keypad is the simulation of a Power Series keypad. The four symbols on the top-right represent the four status LEDs on the Power Series keypad respectively. All keyboard buttons function the same as those on the PowerSeries keypad. If you want to configure the panel with the keypad, refer to the *PC1166/PC1832/PC1864 User Manual* for more information.

ⓘ **Note:** The visual keypad functions identically to an actual PowerSeries keypad and is provided for convenience only. Refer to your DSC documentation for instructions of using the keypad. American Dynamics is not responsible for supporting usage of this feature.

DSC Keypad Editor
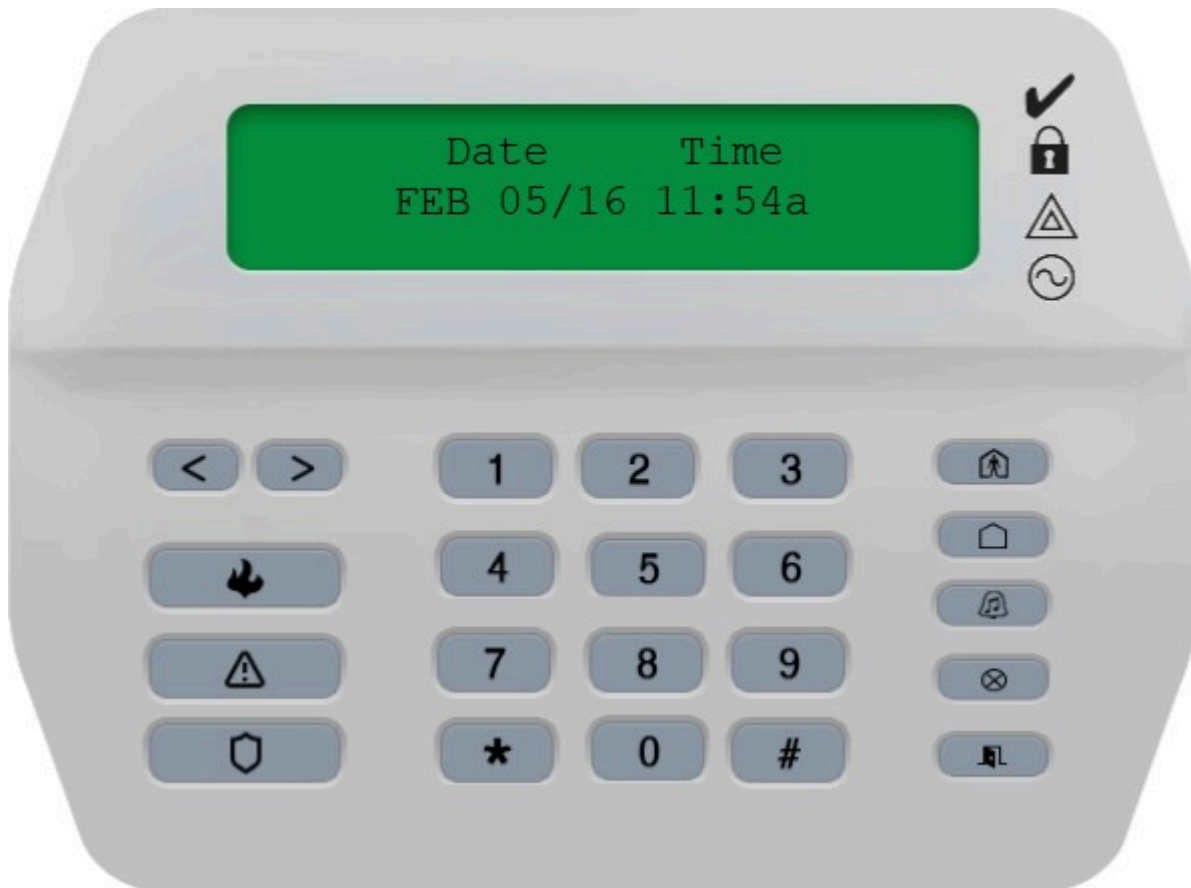
Accessing the DSC Keypad Editor

About this task:
To open the virtual keypad, complete the following steps:

1. In the Navigation bar, click the **Devices** icon.
2. In the Devices list, click **Keypad** icon to display all DSC Keypads.
3. Right-click the keypad that you want to access, and then click **View Keypad**. The virtual keypad appears.

   ⓘ   **Note:** If there is nothing to show on the green LED area, you can click # to initiate the communication between the Virtual Keypad with the DSC panel.

Events and actions

Adding DSC Armed Command Actions

1. In the Navigation bar, click the **New** icon, then select **DSC Armed Command Actions**. The DSC Armed Command Action editor opens.

   ⓘ   **Note:** For more information about the fields, refer to Fields of the DSC Armed Command Actions editor .

2. Enter a **Name**.

3. **Optional:** Enter a **Description**.
4. To enter a **DSC Partition**, complete the following steps:
   a. Click the **Add** icon to open the **Object Selector**.
   b. Select the partition to be the object of this action.
   c. Click **OK**.

Fields of the DSC Armed Command Actions editor

The following tables describe the fields of the DSC Armed Command Actions editor.

General section

Field	Description
Name	Displays a unique name up to 50 characters long for the DSC Command Output Action.
Description	Enter a general comment.

Details section

Field	Description
DSC Partition	Click the **Add** icon to select a partition from the **Object Selector** as the object of this action.
Modes	Select an alarm mode.
Access Code	Enter the access code.

Adding DSC Command Output Actions

1. In the Navigation bar, click the **New** icon, and then click **DSC Command Output Actions**. The Command Output Action editor opens. For more information about the fields of the DSC Command Output Action editor, see Fields of the Command Output Actions editor.
2. Enter a **Name**.
3. Enter a **Description**.
4. Enter a **DSC Partition**.
   a. Click the **Add** icon to open the **Object Selector**.
   b. Select the partition to be the object of this action.
   c. Click **OK**.
5. Select a **Command Control** by selecting the radio button of the required output.
6. Click **Save**.

Fields of the Command Output Actions editor

The following tables describe the fields and values of the Command Output Action editor.

General section

Field	Description
Name	Displays a unique name up to 50 characters long for the DSC Command Output Action.
Description	Enter a general comment.

Details section

Field	Description
DSC Partition	Click to open the **Object Selector** and select a partition as the object of this action.
Command Control	Select an Output for the action of the DSC Command Output Action.

Adding DSC FAP Alarm Command Actions

1. In the Navigation bar, click the **New** icon.
2. Click **DSC FAP Alarm Command Actions**. The DSC FAP Alarm Command Actions editor opens. For more information about the fields of this editor, refer to Fields of the DSC FAP Alarm Command Actions editor.
3. Enter a **Name**.
4. Enter a **Description**.
5. Enter a **DSC Panel**.
   a. Click the **Add** icon to open the **Object Selector**.
   b. Select the panel to be the object of this action.
   c. Click **OK**.
6. Select a **Key Type**.

Fields of the DSC FAP Alarm Command Actions editor

The following tables describe the fields of the DSC FAP Alarm Command Actions editor.

General section

Field	Description
Name	Displays a unique name up to 50 characters long for the DSC Command Output Action.
Description	Enter a general comment.

Details section

Field	Description
DSC Panel	Click the **Add** icon to open the Object Selector and select a panel as the object of this action.
Key Type	Select a key type.

Adding DSC Disarmed Command Actions

1. In the Navigation bar, click the **New** icon, and then click **DSC Disarmed Command Actions**. The DSC Disarmed Command Action editor opens. For more information about the fields, see Fields of the DSC Disarmed Command Actions editor.
2. Enter a name.
3. Enter a description.
4. Enter a DSC Partition.
    a. Click the **Add** icon to open the **Object Selector**.
    b. Select the partition to be the object of this action.
    c. Click **OK**.
5. Enter an **Access Code**.

Fields of the DSC Disarmed Command Actions editor

The following tables describe the fields of the DSC Disarmed Command Actions editor.

General section

Field	Description
Name	Displays a unique name up to 50 characters long for the DSC Command Output Action.
Description	Enter a general comment.

Details section

Field	Description
DSC Partition	Click to select a partition from the **Object Selector** as the object of this action.
Access Code	Enter the access code.

Scheduling an Event

You can create and configure Events in victor Client. Use the Event Setup editor to configure alerts for DSC specific actions. For more information regarding configuration of events, alerts, and actions refer to *victor Administration Guide*.

Creating an Event

1. From the Navigation bar, click the **New** icon, and then click **Event**.
2. In the **Name** field, enter a Name.
3. In the **Description** field, enter a Description.
4. **Optional:** To disable the event, clear the **Enabled** checkbox. The Enabled checkbox is checked by default.
5. To configure the Event Properties, complete the following steps:
    a. Select the **Priority** from the drop-down list.

   ⓘ **Note:** Each priority level is associated with a color that is made prominent in the Event viewer when the event is triggered.

b. The **Armed** check box is selected by default. Clear the check box to change the event's default state.

6. Configure the Event Text:

a. Enter the text in the **Activate Text** field. This text displays in the event viewer. If the activity list is open, this text displays when the event triggers.

b. Enter an **Instructions** for the user. The event triggers convey this information to the user.

7. To configure the Event Procedures use one of the following options:

- Click the **Select Procedure** icon to select a previously-uploaded procedure.

- Click the **Upload a procedure** icon to upload a procedure file.

- Click the **Add procedure as a link** icon to add a link to the procedure file.

8. Configure Event Sounds:

a. Select the **Play Sound When Active** check box if an audible alarm is required when the event triggers.

b. Select the **Sound** icon to open the Select Sound dialog box. Navigate to the sound and select the file.

c. Select **Open**.

ⓘ   **Note:** Only .wav sound files are supported. The files must be located in the ...C: \Windows\Media folder. If a custom .wav file is required, copy to this location.

9. Configure the Event Acknowledge and Clear options:

a. Expand the **Acknowledge and Clear Options** section.

b. Select or clear check boxes depending on how you want users to acknowledge or clear the event:

• Require log message to be entered when acknowledged

• Require log message to be entered when cleared

• User name and password required to acknowledge

• User name and password required to clear

• Breakthrough

Note: Event Breakthrough assigns priority to the event viewer. When the event triggers, it overrides anything else that the user views.

10. (Optional) Link the event to an action:

a. Expand the **Action Pairings** section.

b. Select one of the following options:

• Select an action from the list.

• Click the **New Item** icon to create a new action.

11. Select **Save**.

12. Select one of the following options:

- Click [icon] to open the Event/Schedule Setup editor.

- Click [icon] to open the Event/Action Pairing editor.

Event Configuration

Using the **Event/Action Pairing** editor and the **Event Setup** editor, you can build multiple even configurations quicker and easier than building single event configurations one at a time.

Pairing events and actions

There are three methods that you can use to link system events with actions that you want to trigger.

- You can use the Event/Action pairing editor to link events with actions.
- When you create a new event, you can select an action from the Action Pairings list.
- When you create a new action, you can select an event from the Event Pairings list.

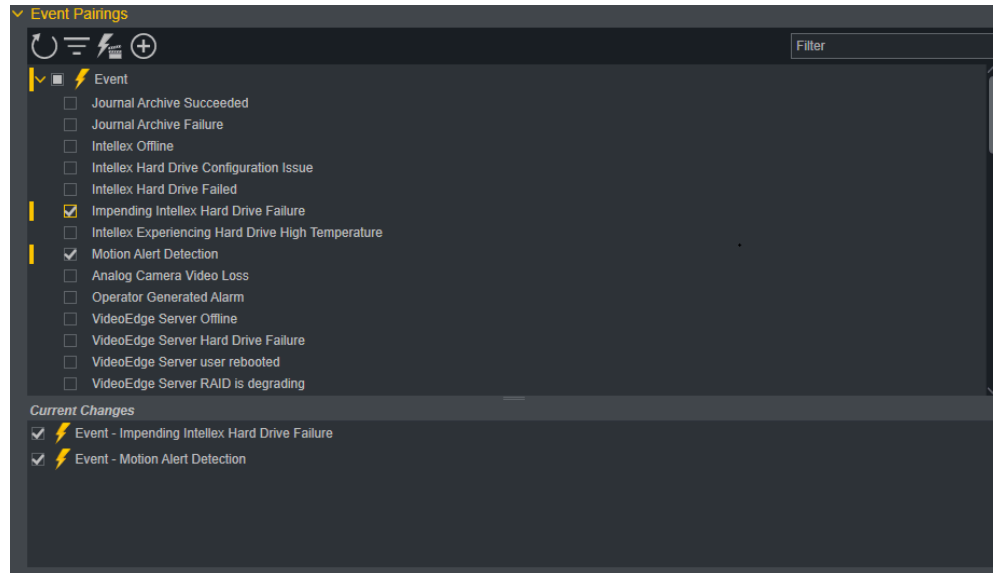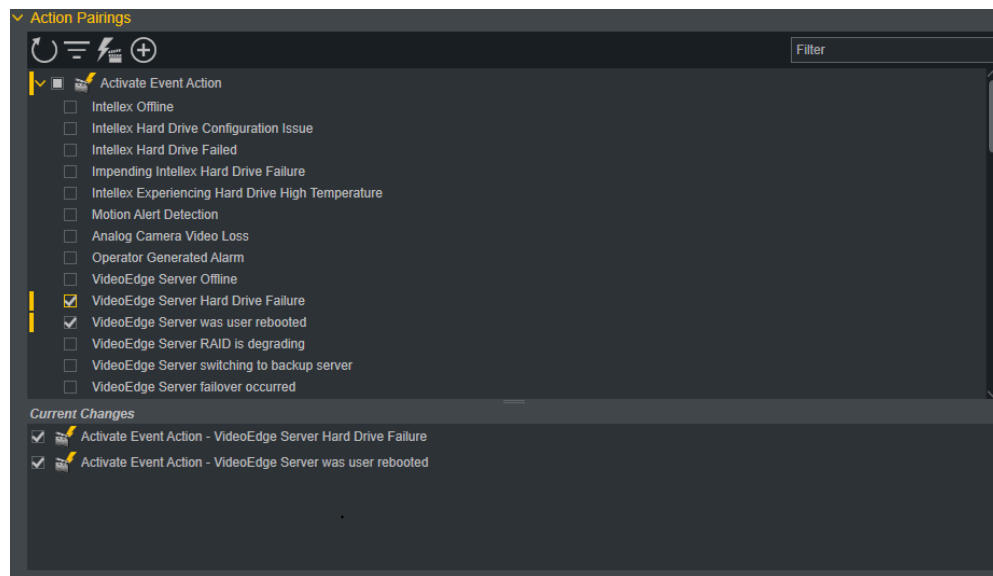**Figure 3: Event and action Pairing editor**

Figure 4: Event Pairings list

Figure 5: Action Pairings list

Pairing events and actions

1. Click the **Configuration** icon and select **Event/Action Pairing**.
2. Click the **Events** node and use the Object Selector to select events as required.
3. In the **Event** node, click the 🔔 icon and use the Object Selector to assign event **Actions**.
4. Click **Save**.

Using the Events/Schedule Setup editor

The Events/Schedule Setup editor provides a dynamic, visual method of batch-linking Devices, Alerts, and Actions as well as to set up event scheduling.

Figure 6: The Events/Schedule Setup editor
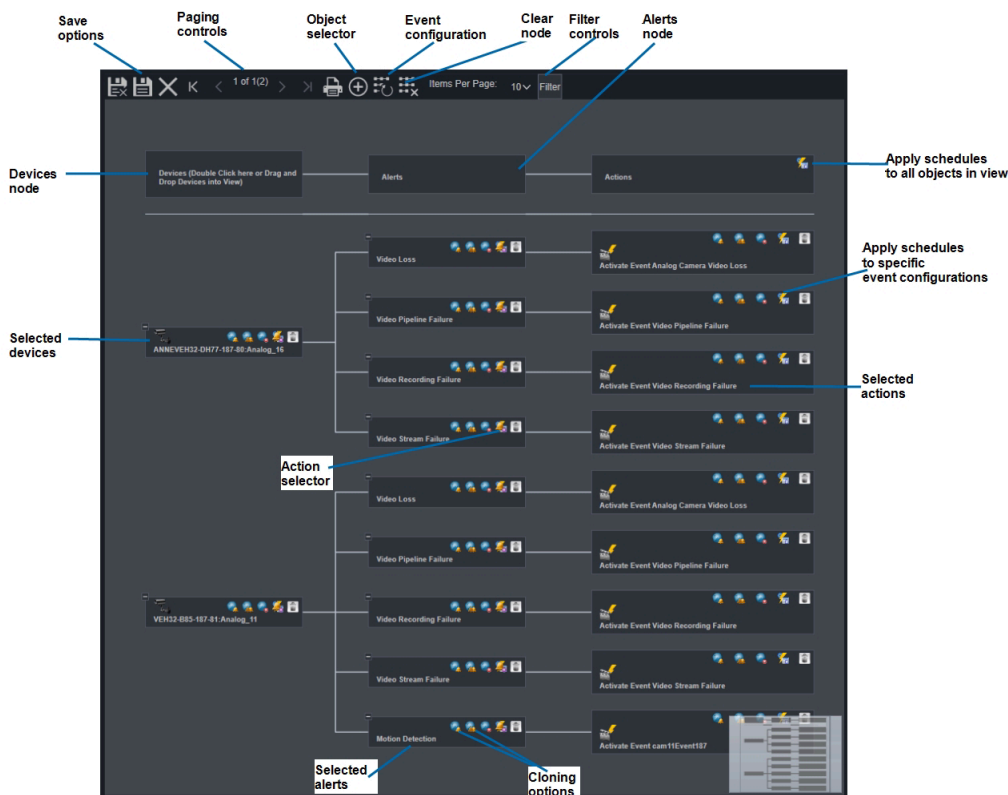
1. From the **Navigation bar**, click the **Configuration** icon.
2. Select **Events/Schedule Setup**. The Events Setup editor appears.
3. Double-click the **Devices** node and use the object selector to select the device, or drag and drop from the device list.
4. Click the 🔔 icon in node of the device added and use the check boxes in the list to assign alerts as required.
5. Click **Add Alerts**. Selected alerts are displayed under the Alerts node.
6. Click the 🔔 icon in the **Alerts** node and use the Object Selector to assign Actions.
7. Use merge and clone options as required to copy configurations:

   - 🌐🔔 Merge and clone target configuration

   - 🌐🔔 Duplicate source configuration to all targets

   - 🌐❌ Remove configuration on source and target
8. **Optional:** To add a schedule to an action, complete the following steps:
   a. In the action note, click the **Schedules** icon.
   b. From the **Schedules** list, select the schedule check boxes.
   c. Select a time zone for each selected schedule.
   d. Click **Apply Schedules**.

      ⓘ   **Note:** For more information about creating and configuring event schedules see .

9. Click **Save**.

ⓘ **Note:** You can configure all system objects of a single type by using the **Search for Event Configurations** and filtering by the required type.

Linking events and actions

1. In the Navigation bar, click the **Configuration** icon, and then click **Event/Schedule Setup**.
2. Double-click the **Devices** node and use the **Object Selector** to select the device, or drag and drop from the **Device List**.

3. Select in the **Devices** node and use the check boxes in the drop-down list to assign alerts as required. Click **Add Alerts**. These alerts are displayed under the **Alerts** node.

4. Select in the **Alerts** node and use the **Object Selector** to assign **Actions**. Repeat as required.
5. Use merge and clone options as required to copy configurations:
   -
   - Select to merge and clone target configuration.

   - Select to duplicate source configuration to all targets.

   - Select to remove configuration on source and target.

6. Select to add or remove schedules as you require. Refer to the *victor Administration Guide* for more information about schedules.
7. Click **Save**.

Event triggered

DSC Activity Messages

This section describes the actions that you can configure in victor for DSC objects.

DSC Activity messages tables

The following tables list the messages that can be reported by the DSC Integration products to the victor database.

in the table is used to represent an object such a panel name, point name, or computer name, The actual value for the object property will replace the "#" in the Journal.

DSC Device Activity Messages

Message Type	Object	State Change	Message
DSC Object Change State	DSC Panel	Enabled	DSC Panel # is enabled.
		Disabled	DSC Panel # is disabled.
		Online	DSC Panel #, communication restored.
		Offline	DSC Panel #, communication failure.
	DSC Partition	Ready	DSC Panel #, Partition # is ready.
		Not Ready	DSC Panel #, Partition # is not ready.
		Away Armed	DSC Panel #, Partition # is away armed
		Stay Armed	DSC Panel #, Partition # is stay armed.
		Away No Delay Armed	DSC Panel #, Partition # is away no delay armed.
		Stay No Delay Armed	DSC Panel #, Partition # is stay no delay armed.
		Ready to Force Arm	DSC Panel #, Partition # is ready to force arm.
		Busy	DSC Panel #, Partition # is busy.
		Disarmed	DSC Panel #, Partition # is disarmed.
		Alarm	DSC Panel #, Partition # is in alarm.
	DSC Zone	Zone Alarm	DSC Panel #, Zone # alarm.
		Zone Alarm Restore	DSC Panel #, Zone # alarm restore.
		Zone Tamper	DSC Panel #, Zone # tamper.
		Zone Tamper Restore	DSC Panel #, Zone # tamper restore.
		Zone Fault	DSC Panel #, Zone # fault.
		Zone Fault Restore	DSC Panel #, Zone # fault restore.
		Zone Open	DSC Panel #, Zone # open.
		Zone Restored	DSC Panel #, Zone # open restore.
DSC Device Activity	DSC Panel DSC Partition	Duress Alarm	DSC Panel # system duress alarm.
		Key Alarm	DSC Panel # Fire (Auxiliary, Panic) key alarm.
		Key Restoral	DSC Panel # Fire (Auxiliary, Panic) key alarm restore.
		Auxiliary Input Alarm	DSC Panel # auxiliary input alarm.
		Auxiliary Input Alarm	DSC Panel # auxiliary input alarm restoral.

Message Type	Object	State Change	Message
		Restoral	
		Exit Delay in Progress	DSC Panel #, Partition # exit delay in progress.
		Keypad Lock out	DSC Panel #, Partition # keypad lock out.
		Keypad Blanking	DSC Panel #, Partition # command output in progress.
		Command Output In Progress	DSC Panel # command output in progress.
		Invalid Access Code	DSC Panel #, Partition # invalid access code.
		Function Not Available	DSC Panel #, Partition # function not available
		Fail to arm	DSC Panel #, Partition # fail to arm, please contact administrator.
		User Closing	DSC Panel #, Partition # has been armed but one or more zones have been bypassed.
		Panel Battery Trouble	DSC Panel # battery trouble.
		Panel Battery Trouble Restore	DSC Panel # battery trouble restore.
		Panel AC Trouble	DSC Panel # AC trouble.
		System Bell Trouble	DSC Panel # system bell trouble.
		System Bell Trouble Restoral	DSC Panel # system trouble/restore.
		TLM Line 1 Trouble	DSC Panel # TLM line 1 trouble.
		TLM Line 1 Trouble Restored	DSC Panel # TLM line 1 trouble restore.
		TLM Line 2 Trouble	DSC Panel # TLM line 2 trouble.
		TLM Line 2 Trouble Restored	DSC Panel # TLM line 2 trouble restore.
		FTC Trouble	DSC Panel # FTC trouble.
		Buffer Near Full	DSC Panel # buffer near full.
		General Device Low Battery	DSC Panel #, Zone # general device low battery.
		General Device Low Battery Restore	DSC Panel #, Zone # general device low battery restore.
		Wireless Key Low Battery Trouble	DSC Panel # wireless key low battery trouble.
		Wireless Key Low Battery Trouble Restore	DSC Panel # wireless key low battery trouble restore.
		Handheld Keypad Low Battery Trouble	DSC Panel # handheld keypad low battery trouble.

Message Type	Object	State Change	Message
		Handheld Keypad Low Battery Trouble Restore	DSC Panel # handheld keypad low battery trouble restore.

Message Type	Object	State Change	Message
		General System Tamper	DSC Panel # general system tamper.
		General System Tamper Restore	DSC Panel # general system tamper restore.
		Home Automation Trouble	DSC Panel # home automation trouble.
		Home Automation Trouble Restore	DSC Panel # home automation trouble restore.
		Trouble Status	DSC Panel # trouble status open.
		Trouble Status Restore	DSC Panel # trouble status off.
		Fire Trouble Alarm	DSC Panel #fire trouble alarm.
		Fire Trouble Alarm Restore	DSC Panel # fire trouble alarm restore.

DSC System Activity and Error Messages

Message Type	Object	State Change	Message
DSC System Activity	Driver	Start	System Activity: DSC PowerSeries Integration driver start on computer #.
		Shut down	System Activity: DSC PowerSeries Integration driver shut down on computer #.
DSC System Error	Driver	Start error	System Error: DSC PowerSeries Integration driver start failed on computer #.
		Shut down error	System Error: DSC PowerSeries Integration driver shut down failed on computer #.