



# Luxriot Evo with RISCO

## How-to

24 Jan 2025

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## Overview

Security panels are a frequent addition to the VDMS and a vital part of any security system. They are responsible for multiple complex processes and have their own extended interfaces, but the tasks they manage frequently overlap with the VDMS functionality. To simplify security management for specialists, we have integrated RISCO's Security panel systems with the Luxriot Evo VDMS.

In **Luxriot Evo Console**, you can:

- Set events and actions related to Security system items.
- Assign status severity levels to Security system items for prioritized monitoring.
- Place zone and partition controls on maps for intuitive management.

In **Luxriot Evo Monitor**, you can:

- Review the statuses of received Security system items.
- Search through events to analyze historical data.
- Control zones and partitions directly, enhancing operational efficiency.

### Supported Versions

- **Luxriot Evo version:** 1.30 and later

## Setup Instructions

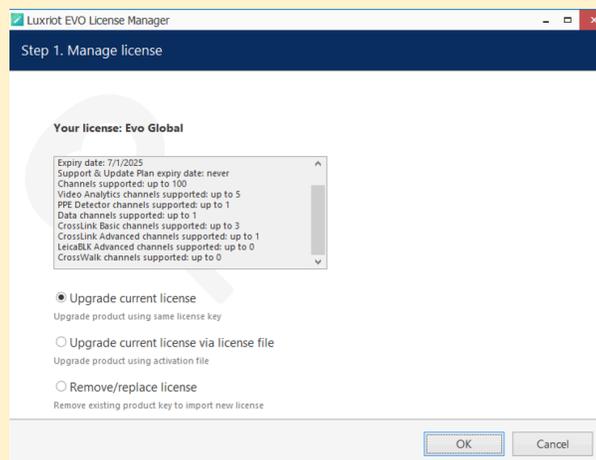
The details below will help you set up Luxriot Evo to work with RISCO's Security system software. It is presumed that you already have RISCO's Security panel system up and running and are familiar with its initial configuration process. For details on the RISCO software setup, please see its supporting documentation.

**!N.B.** This article explains how to connect RISCO with the Luxriot Evo. For the backward integration - please contact our representatives for the plugin and consult the RISCO documentation.

## 1. Luxriot Evo server Configuration

The rest of the setup will be on the Luxriot Evo Console side. For the Security system tab to appear, the Luxriot Evo Server must have an Evo Global or a Standalone license applied. If you are running Luxriot Evo Global, make sure to connect to the central server and use a privileged user account.

**!N.B.** If you don't see the *Security system integrations license* in the license manager, or see the *License is missing* error when trying to apply RISCO settings in the Console, contact our sales representatives, then go to: *Luxriot Activation Wizard -> Upgrade license*, and follow the wizard prompts.



You also may need to reactivate the license if you are migrating from the previous versions (1.29 and earlier) even if you already have a *Security system integrations license*.

### Creating a new RISCO connection

Open the *Configuration* section in your Luxriot Evo Console and choose the *Security Systems* component on the left. Click the *New Security System Configuration* button on the upper panel and fill in the settings in the dialog box.

- **Title:** user-defined service name, which will appear in Luxriot Evo Console
- **Security System type:** RISCO LightSys
- **Host:** IP or hostname of the RISCO server

- **Port:** server base port from the REST API settings (default: 1000)
- **Remote Id:** configured on the RISCO side (default 0001)
- **Remote Access Code:** configured on the RISCO side (default 5678)
- **Command timeout:** Delay in seconds
- **Merge:** enable this option if you have multiple Security System systems and you want to have them all in a single tab in the Luxriot Evo Monitor application

Security system RISCO\*

Security system

Details

Details\*

Configuration

Items

Permissions

Title

RISCO

Security system title

Security system type

RISCO LightSys

Security system type

Host

192.168.1.108

Host name or IP address

Port

1000

Port number

Remote Id

0001

Remote identifier

Remote access code

5678

Remote access code

Command timeout

5

Command timeout in seconds

Merge

Display security system items in Luxriot EVO Monitor on the same tab or multiple tabs

Apply OK Cancel

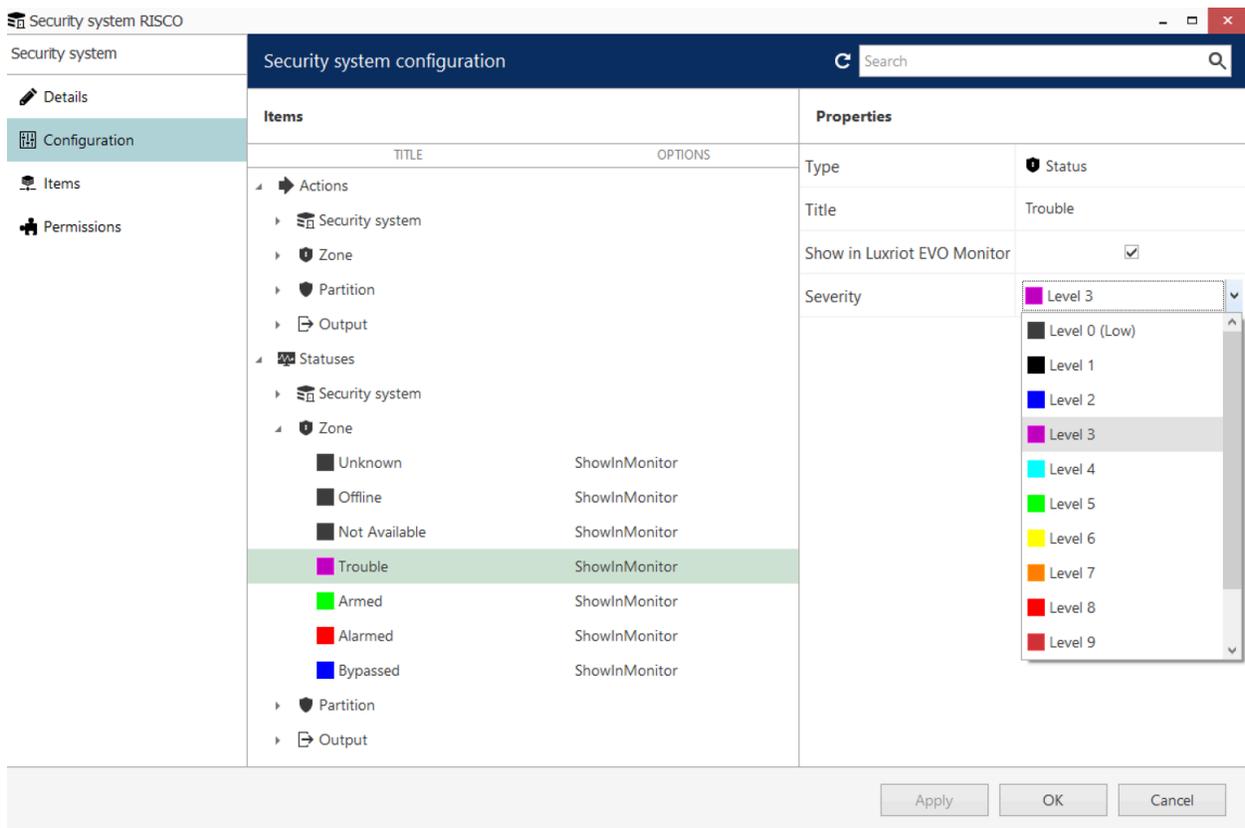
### *Create a new RISCO LightSys Security System connection*

When done, click OK to save the settings and close the dialog box. The newly created connection will appear in the list. Use the buttons on the upper panel to alter the connection details and to disable it temporarily, if required.

## Security System configuration

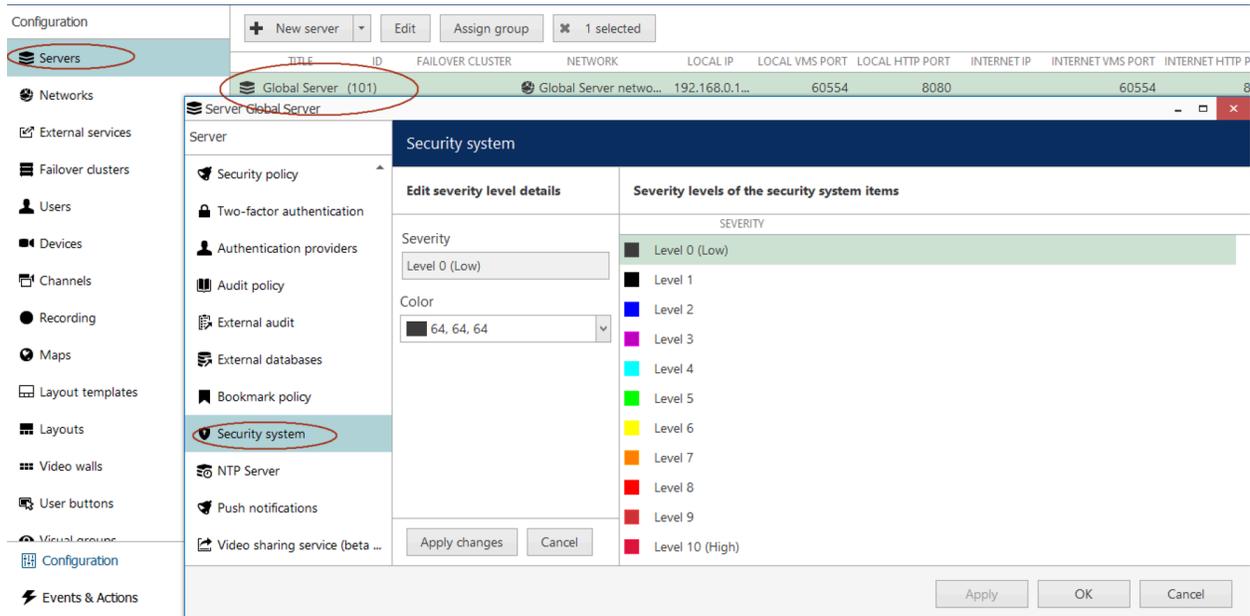
After the connection with the RISCO is set, you can configure items. The list of available items will depend on your particular Security System, but overall item groups are:

- Actions
  - Security System
  - Zone
  - Partition
  - Output
- Statuses
  - Security System
  - Zone
  - Partition
  - Output



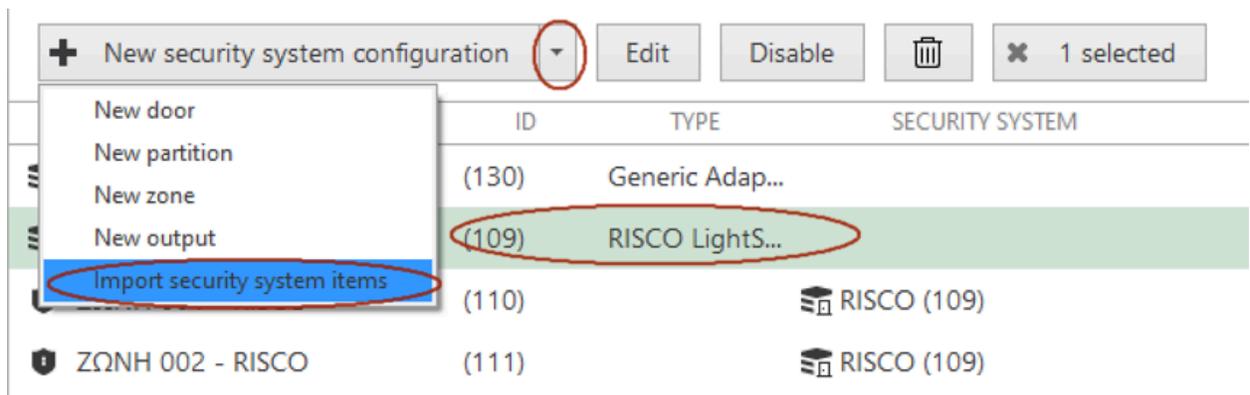
You can enable or disable each displayed Action and Status in Monitor and set a status severity level by selecting an item you want to configure and applying changes.

You can also configure severity-level colors. Go to *Configuration -> Servers -> YourServer -> Security Systems* and set a custom color for each severity level.



### Adding Items to the System

Once the RISCO connection is created, you can start adding Items. You can import *Partitions, Zones, and Outputs* one by one by clicking on the arrow down over the *+New security system configuration* button and selecting the corresponding *Item*, or you can import all the Items at once by clicking on *Import security system items*.

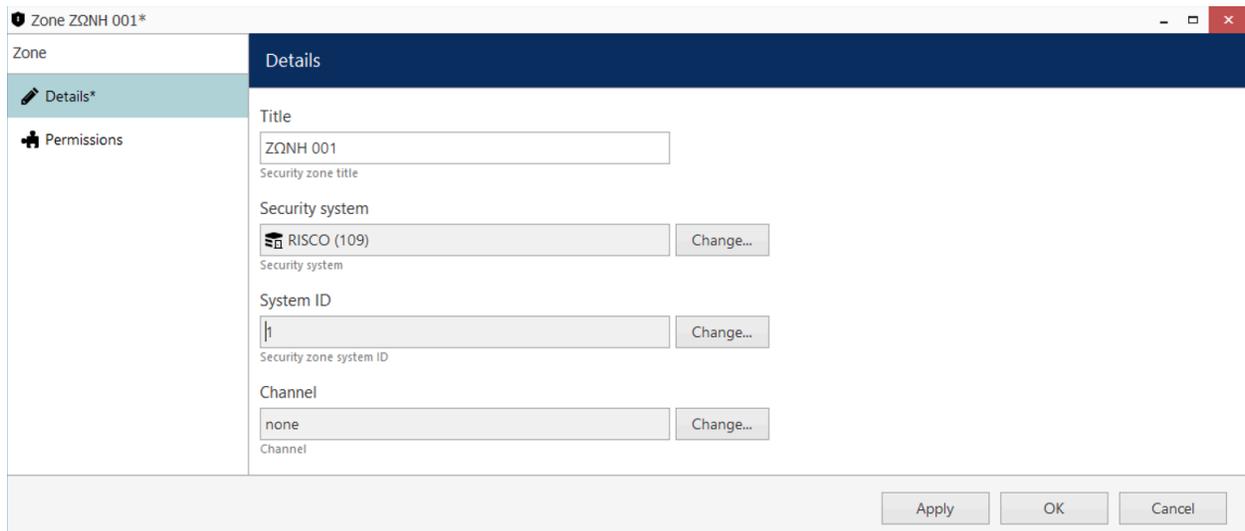


Let's review adding items one by one on the *Zones* example: stay in the same section of Luxriot Evo Console: *Configuration > Security System*, click the *Drop-down List* icon (down arrow) next to the *New security system configuration*, and select the *New zone* option. A dialog box will pop up, allowing you to enter the *Zone* configuration. The following settings should be specified for each zone:

- **Title:** user-defined Zones name, which will appear in Luxriot Evo
- **Security System:** select your RISCO connection from the list
- **System ID:** Zone identifier in the Security System software; choose one from the list
- **Channel:** select one of your video channels to associate it with the target zone (they will appear linked in Luxriot Evo Monitor)

If the zone list appears empty, check for:

- The zones are present in the RISCO configuration



The screenshot shows a configuration window titled "Zone ZQNH 001\*" with a sidebar on the left containing "Details\*" and "Permissions". The main area is titled "Details" and contains the following fields:

- Title:** ZQNH 001 (Security zone title)
- Security system:** RISCO (109) (Security system) with a "Change..." button
- System ID:** 1 (Security zone system ID) with a "Change..." button
- Channel:** none (Channel) with a "Change..." button

At the bottom of the dialog are three buttons: "Apply", "OK", and "Cancel".

### Adding the new Zone

To temporarily turn off or restore the connection, use the *Disable/Enable* button on the upper panel. The recycle bin button will remove doors and/or Security System connection entries from the Luxriot Evo configuration.

To see the **status of the Items** you have added to the Luxriot Evo server configuration, go to the *Monitoring* section of the Luxriot Evo Console and select the *Security System* component on the left. You can see the **current** door lock **state** and related **alert flags**. Pay attention to the status **update time**. If a zone status shows *Unknown*, it can mean that the **RISCO** service is not connected, or the zone may have been removed from the RISCO configuration.

### 3. Setting E&A and Items inside the Luxriot Evo console

After you have added RISCO items to the Luxriot Evo Server configuration, there are several ways to utilize it.

#### Adding Items to Maps

You can place **door, Zone, or Partition markers** on *Maps* and *Geo maps*. These markers will reflect the current **Item status** in the Luxriot Evo Monitor and provide interactive **actions** upon a single or double click.

The screenshot shows the 'Map British Museum Upper Floor\*' window. The 'Marking' toolbar at the top contains icons for various markers. The map displays the 'BRITISH MUSEUM Upper Floor' with a pink polygon marker labeled 'RISCO (278)' placed on the 'Ethnographical Gallery'. The 'Properties' panel on the right shows the following settings:

Properties	
Title	RISCO (278)
Linked resource	RISCO (278)
Show title	<input checked="" type="checkbox"/>
Title color	64, 64, 64
Title size	100%
Title outline	
Shape	Polygon
Color	<input type="color"/>
Opacity	<input type="range"/>
Outline	
Lock scale	<input type="checkbox"/>
Color source	RISCO (278)

At the bottom of the window, there are 'Apply', 'OK', and 'Cancel' buttons.

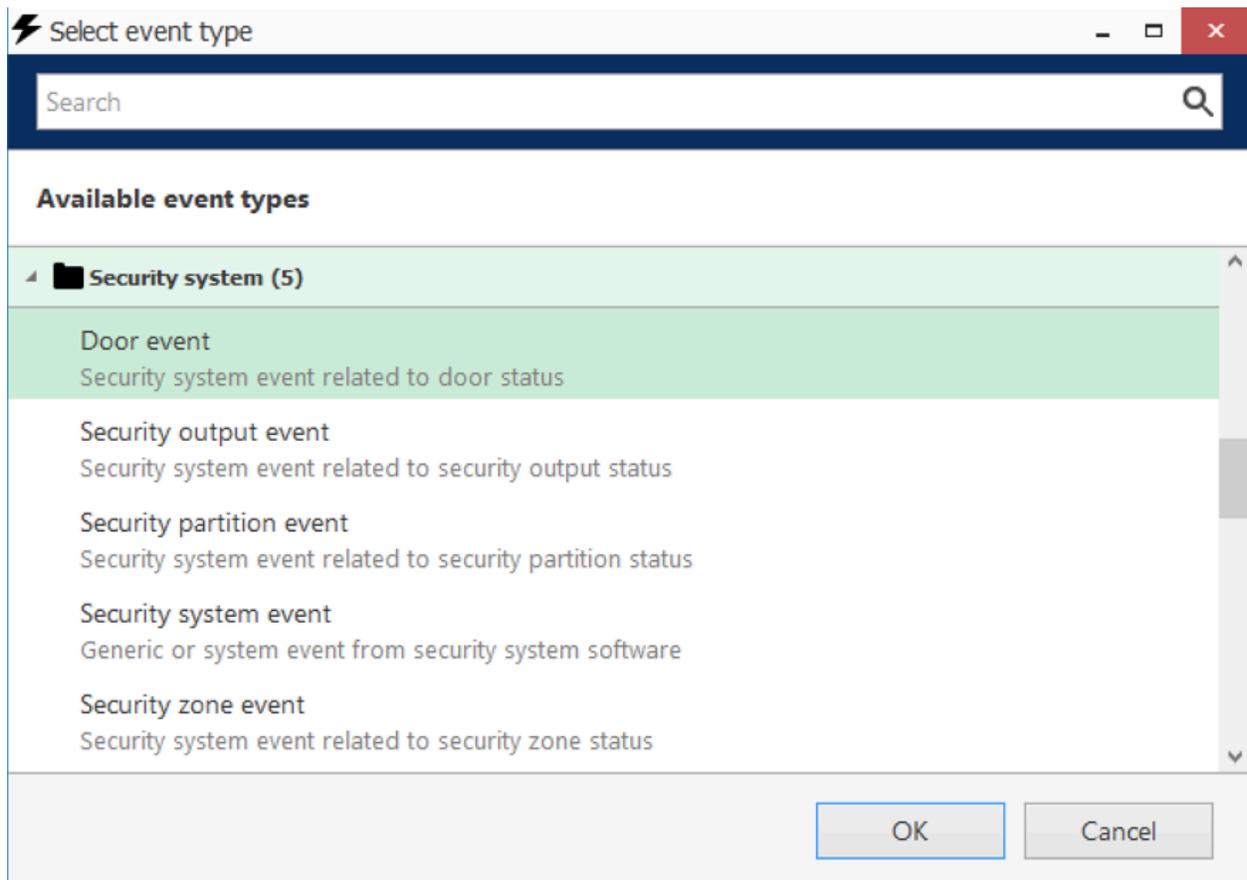
#### Adding the Zone markers to Maps or Geo maps

To put a marker onto the *Map*, **drag and drop** it from the panel above. In the settings on the right, select the *Linked Resource* from the list.

## Events & Actions

Luxriot Evo Event & Action Manager (E&A) provides support for:

- *Door event* (status changes)
- *Security output event*
- *Security partition event*
- *Security System Event* (other events sent by the Security Systems)
- *Security zone Event*



The same list of actionable items is also true for E&A Actions.

Changes in the *Zone status* are sent from RISCO to Luxriot Evo. You can set up different code reactions via Luxriot Evo *Event & Actions Configurator*. Later, these events can be used to build rules, e.g., log the Events in Luxriot Evo, bookmark them, automatically interact with other system components, etc.

Event ZQNH 001 - RISCO Security zone event\*

Event

Details

Event type

Security zone event

Select event type from list of available event types

Title

ZQNH 001 - RISCO Security zone event

Event name

Source

ZQNH 001 - RISCO (110)

Source zone

Code

\*OPEN\* has been activated

Zone code

Apply OK Cancel

### Adding the Zone event in E&A

To create a new **Zone event** in Luxriot Evo Console, go to the *Events & Actions* section > *Events* > click the + *New event* button on the upper panel. Inside the appeared dialog box, fill in the settings:

- **Event type:** Security zone event
- **Title:** user-defined event name to be used in E&A Configurator
- **Source:** select a zone from the list
- **Code:** The desired zone status change code was received from RISCO; select one from the list.

Thus, such events will be triggered each time the corresponding code is received from RISCO. One event corresponds to one code from a specific item; create multiple events if required.

Action RISCO Security zone action Toggle Bypass\*

Action

Details

Event type

Security zone action

Select event type from list of available event types

Title

RISCO Security zone action Toggle Bypass

Event name

Target

RISCO (278)

Target access control

Action

Toggle Bypass

Target action

Apply OK Cancel

### Adding the Zone Action in E&A

**Zone actions** can be created from the *Events & Actions* section -> *Actions* -> the + *New action* button from the upper panel -> *Zone action*. Available settings:

- **Event type:** Zone action
- **Title:** user-defined action name, which will appear in E&A Configurator
- **Target:** your RISCO connection
- **Action:** the available *Actions* for the selected *Zone*

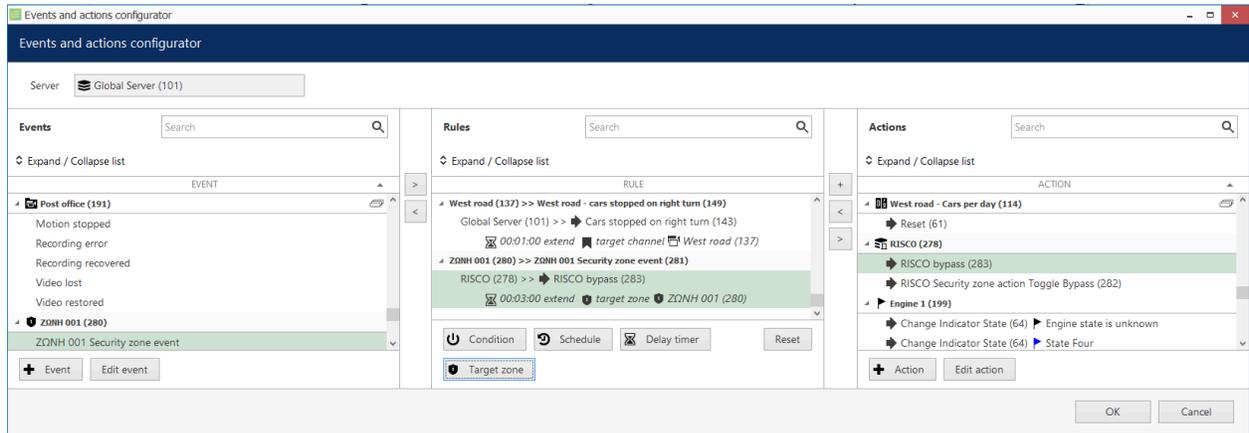
The screenshot shows a configuration window for a new action. The window title is "Action RISCO Security zone action Toggle Bypass\*". The "Details" tab is active, showing the following fields:

- Event type:** A dropdown menu showing "Security zone action" and a "Change..." button. Below the dropdown is the text "Select event type from list of available event types".
- Title:** A text input field containing "RISCO Security zone action Toggle Bypass". Below the field is the label "Event name".
- Target:** A dropdown menu showing "RISCO (278)" and a "Change..." button. Below the dropdown is the label "Target access control".
- Action:** A dropdown menu showing "Toggle Bypass" and a "Change..." button. Below the dropdown is the label "Target action".

At the bottom right of the window, there are three buttons: "Apply", "OK", and "Cancel".

Finally, click the *Events & Actions* -> *Rules* -> *Open Configurator* button on the upper panel to open the *E&A Configurator* dialog box.

You can use all your Events and Actions to build automated scenarios here. Every rule can also have modifiers: a *Delay timer*, a *Condition*, and a *Schedule*.



*Create rules using Zone Events and Actions.*

## 4. RISCO inside Luxriot Evo Monitor

Once your RISCO service is paired with Luxriot Evo, a new tab will appear in the Luxriot Evo Monitor. If it doesn't, make sure you are connected to the correct Luxriot Evo Server.

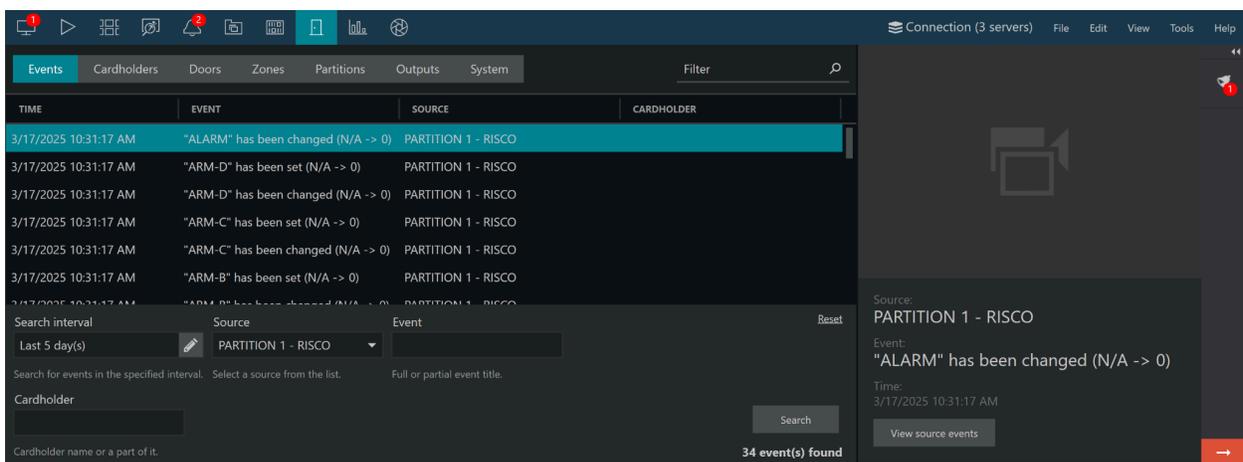
Switch to the *Security System* tab to start working with its contents. Similarly to other Security System integrations, there are three subsections here:

- **Events:** all events received from RISCO
- **Cardholders:** the list of cardholders
- **Doors:** the door list and related actions
- **Zones:** The zone list and related actions
- **Partitions:** the list of partitions
- **Outputs:** the list of Outputs and their statuses
- **System:** Security Systems and its statuses

### Events

Here, you will find all **events** correlated with Security Systems - status changes, database maintenance notifications, configuration changes (e.g., new cardholder added), etc.

Enter the search **time range** and **criteria** at the bottom and click *Search*. The results will appear as a list. Use the *Reset* button to **discard** any entered criteria and use the default search settings (any event type, past 24 hours).



TIME	EVENT	SOURCE	CARDHOLDER
3/17/2025 10:31:17 AM	"ALARM" has been changed (N/A -> 0)	PARTITION 1 - RISCO	
3/17/2025 10:31:17 AM	"ARM-D" has been set (N/A -> 0)	PARTITION 1 - RISCO	
3/17/2025 10:31:17 AM	"ARM-D" has been changed (N/A -> 0)	PARTITION 1 - RISCO	
3/17/2025 10:31:17 AM	"ARM-C" has been set (N/A -> 0)	PARTITION 1 - RISCO	
3/17/2025 10:31:17 AM	"ARM-C" has been changed (N/A -> 0)	PARTITION 1 - RISCO	
3/17/2025 10:31:17 AM	"ARM-B" has been set (N/A -> 0)	PARTITION 1 - RISCO	
3/17/2025 10:31:17 AM	"ARM-B" has been changed (N/A -> 0)	PARTITION 1 - RISCO	

Search interval: Last 5 day(s)

Source: PARTITION 1 - RISCO

Event: "ALARM" has been changed (N/A -> 0)

Time: 3/17/2025 10:31:17 AM

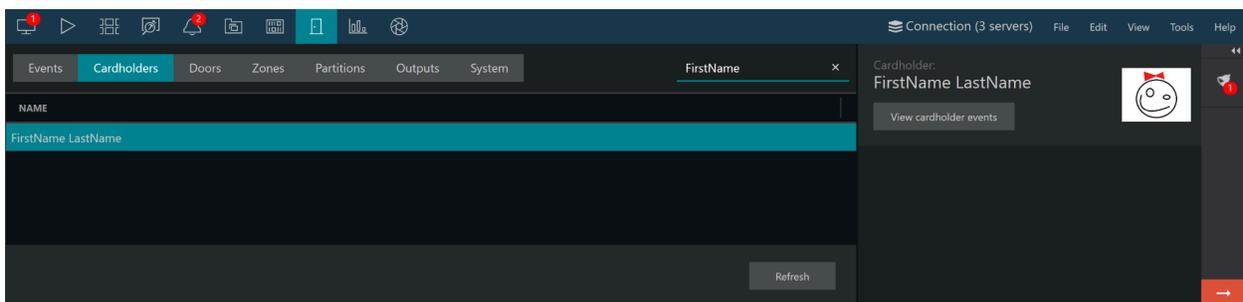
34 event(s) found

Click any event in the list to see **details** on the right. If the clicked event is related to a door, the linked channel's video will appear in the **instant playback** mode. Click the *View door events* button below to view the target door events for the past 24 hours.

## Cardholders

Here, you will see all existing cardholders fetched from connected *Security Systems*. Since there are no cardholder-associated actions, the extra details here will be the name and picture.

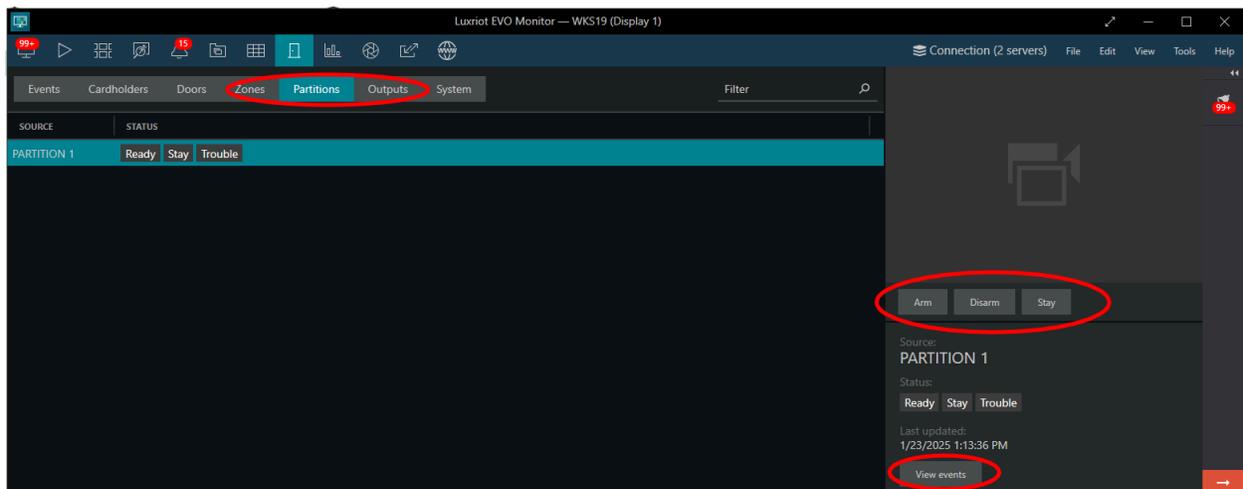
Click the *View cardholder events* button to switch to the *Events* tab and see the related events for the past 24 hours. Use the *Refresh* button at the bottom to **reload** the cardholder list and details. This will be useful if there are changes on the RISCO side that have not yet been synchronized with Luxriot Evo.



### List of cardholders

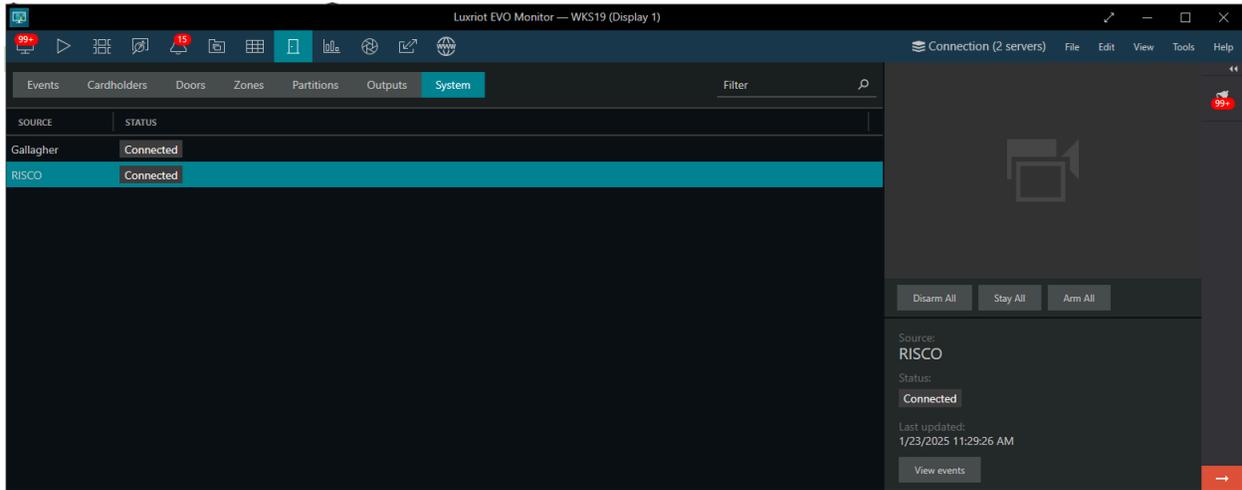
## Zones, Partitions, Outputs

You can review and interact with zones, partitions, and outputs here. Inside the main window, you can find the Item and its status. On the right side, the actionable button allows for the switching Item state, and the button on the bottom of the right side allows to review of connected events quickly.



## System

The *System* tab allows you to review all the connected Security Systems and their state. Depending on the available options for the connected Security System, you will also have actionable buttons on the right side.



### Maps

If you have created **maps** with **Item markers**, you can use these maps in the *Live* and *Playback* tabs, as usual. Each marker, when clicked (or double-clicked, depending on your application setting), will allow you to *utilize built-in Item properties*.

