Guide for configuring and working with the Galaxy Dimension Panel integration module

ACFA PSIM 1.1

Last update 25/11/2024

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1 Introduction into the Guide for configuring and working with the Galaxy Dimension Panel integration module

On this page:

1.1 Purpose of the document

The *Guide for configuring and working with the Galaxy Dimension Panel integration module* is a reference and information manual and is intended for configuration specialists and operators of the *Galaxy Dimension Panel* module. This module is part of *ACFA PSIM*.

The Guide has the following information:

1. General information about the *Galaxy Dimension Panel* integration module
2. Configuration of the *Galaxy Dimension Panel* integration module
3. Operation of the *Galaxy Dimension Panel* integration module.

1.2 General information about the Galaxy Dimension Panel integration module

The *Galaxy Dimension Panel* integration module is a component of *ACFA PSIM* and used for interaction with the *Galaxy Dimension Panel* system (manufacturer by Honeywell, Inc.).

ACFA PSIM interacts with the following components of the *Galaxy Dimension Panel* system:

1. *Galaxy Dimension Panel* control panel.
2. MK7 keyboard.
3. Security zone.
4. Group.
5. Output.
6. Door control module.

Note

For more information about components of the *Galaxy Dimension Panel* system, refer to the official documentation of the *Galaxy Dimension Panel* control panel.

The *Galaxy Dimension Panel* integration module performs the following functions:

1. Monitoring of the the *Galaxy Dimension Panel* system.
2. Control of the the *Galaxy Dimension Panel* system.

Before configuring the *Galaxy Dimension Panel* integration module, do the following:

1. Install the *Galaxy Dimension Panel* hardware on the protected facility.
2. Configure the functionality of the fire and security alarm of the *Galaxy Dimension Panel* system (refer to the documentation of the *Galaxy Dimension Panel* control panel).

   Note.

   The *Galaxy Dimension Panel* integration module is configured using the settings specified at this step.

3. Configure the list of *ACFA PSIM* users using the *Access Manager* module.

2 Supported hardware and licensing of the Galaxy Dimension Panel integration module

Manufacturer	Honeywell Systems Group Video and Access Control Solutions Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL United Kingdom Tel: +44 (0)8448 000 235 Fax: + 44 (0)01928 754050 Email: sales.video.uk@honeywell.com Website: www.security.honeywell.com
Integration type	Low-level protocol
Hardware connection	RS-232, Ethernet

Supported hardware

Hardware	Purpose
Galaxy GD-48	Control panel
Galaxy GD-96	Control panel
Galaxy GD-264	Control panel
Galaxy GD-520	Control panel
DCM	Access controller

Module licensing

Per one COM port. In fact per any one Galaxy GD control panel.

3 Configuring the Galaxy Dimension Panel integration module

3.1 Procedure for configuring the Galaxy Dimension Panel integration module

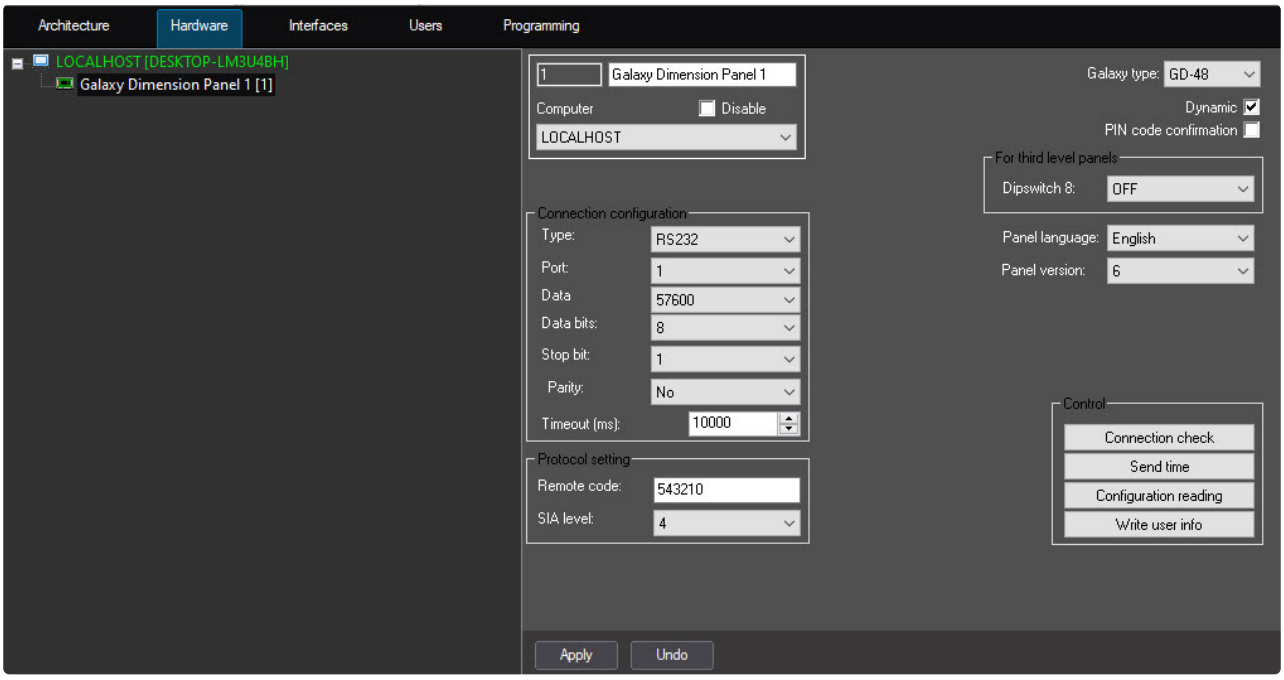
The *Galaxy Dimension Panel* integration module is configured as follows:

1. Configure interaction between ACFA PSIM and the *Galaxy Dimension Panel*.
2. Configure the MK7 keypads that are used to configure and control the *Galaxy Dimension Panel*.
3. Configure the *Galaxy Dimension Panel* security zones.
4. Configure the *Galaxy Dimension Panel* groups.
5. Configure the *Galaxy Dimension Panel* outputs.
6. Configure the *Galaxy Dimension* door control module.
7. Configure the *Galaxy Dimension Panel* readers.
8. Configure the *Galaxy Dimension Panel* input-output modules.

3.2 Configuring interaction between ACFA PSIM and the Galaxy Dimension Panel

3.2.1 Procedure for configuring interaction between ACFA PSIM and the Galaxy Dimension Panel

Interaction between *ACFA PSIM* and the *Galaxy Dimension Panel* is configured on the settings panel of the **Galaxy Dimension Panel** object. This object is created on the basis of the **Computer** object on the **Hardware** tab of the **System settings** dialog window.



Interaction between *ACFA PSIM* and the *Galaxy Dimension Panel* is configured as follows:

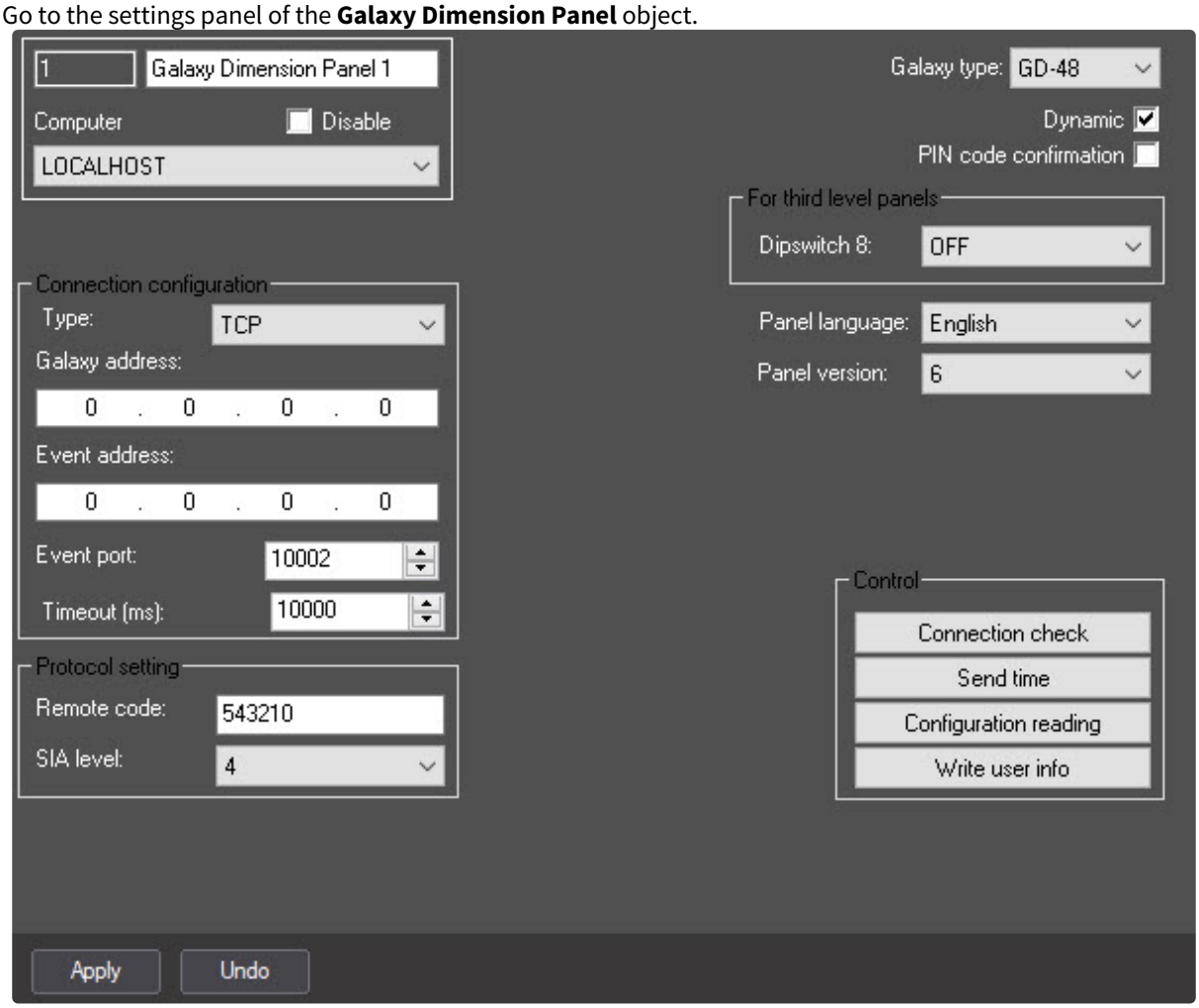
1. Configure the connection between ACFA PSIM and the *Galaxy Dimension Panel*.

2. Configure the data exchange protocol between ACFA PSIM and the *Galaxy Dimension Panel*.
3. Synchronize the *Galaxy Dimension Panel* and ACFA PSIM.

3.2.2 Configuring the connection between ACFA PSIM and the Galaxy Dimension Panel

The connection between *ACFA PSIM* and the *Galaxy Dimension Panel* is configured as follows:

1. Go to the settings panel of the **Galaxy Dimension Panel** object.



2. From the **Galaxy type** drop-down list, select the type of the connected control panel.
3. Set the **Dynamic** checkbox to dynamically send the configuration to the *Galaxy Dimension Panel.*
4. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
5. From the **Dipswitch 8** drop-down list, select **ON** if one of the two embedded input-output modules of the level 3 panel requires DIP switch 8 to be enabled to create the effect of connecting to virtual line 0. This is required when using a *Galaxy Dimension Panel* to replace its older version. You must enable DIP switch 8 on the panel beforehand. By default, DIP switch 8 is disabled—the **OFF** value is set. This setting is described in detail in the manufacturer's official reference documentation.
6. From the **Panel language** drop-down list, select the language of the *Galaxy Dimension* Panel: **English**, **Polish**, **Czech**.

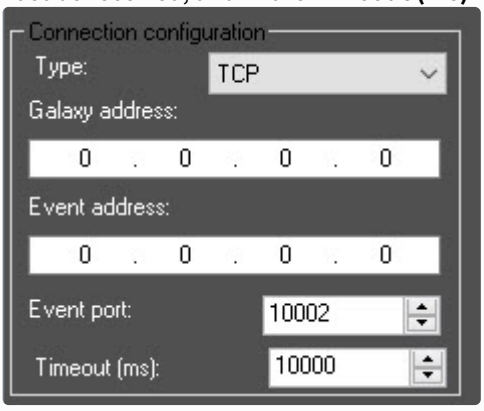
> **Attention!**

Only English and Polish languages of the panel are supported. You must specify the language beforehand either on the panel or in the *Galaxy* software settings (Frontshell) using the keyboard emulator.
Important: when you change the language, you must restart the panel (completely shutdown for some time), otherwise the language of the panel will be changed, but the events will remain in the current language specified in the panel.

7. From the **Panel version** drop-down list, select the required version of the *Galaxy Dimension Panel*: **5**, **6** (default), or **Unknown**.
8. From the **Type** drop-down list select **RS232** or **TCP**—the type of connection between the *Galaxy Dimension Panel* and the *Axxon PSIM* Server.

Note

If you select the **TCP** connection type, in the **Galaxy address** field specify the corresponding IP address of the *Galaxy Dimension Panel*, in the **Event address** field specify the IP address of the *Axxon PSIM* Server, in the **Event port** field specify the number of the port through which events must be received, and in the **Timeout (ms)** field specify the connection timeout in milliseconds.



It is recommended to check the correctness of the settings of the **Ethernet** section in the Galaxy V6 Application software according to the official documentation of the manufacturer (for example, the **SIA IP Address** field should contain the IP address of the *Axxon PSIM* Server).

9. From the **Port** drop-down list, select the COM port of the *Axxon PSIM* Server to be used to connect with the *Galaxy Dimension Panel*.
10. From the **Baud** drop-down list, select the data exchange rate between the *Axxon PSIM* Server and the *Galaxy Dimension Panel*. This parameter is expressed in bits per second.
11. From the **Data bits** drop-down list, select the number of data bits to be coded by a single transition in signal for data exchange.
12. From the **Stop-bit** drop-down list, select the number of stop bits for data exchange.
13. From the **Parity** drop-down list, select the necessary parity for data exchange.
14. In the **Timeout (ms)** field, enter the time period in milliseconds during which the connection with the *Galaxy Dimension Panel* is checked.
15. Click the **Apply** button to save the changes.
16. To check the connection, click the **Connection check** 

button.

Configuring the connection between *ACFA PSIM* and the *Galaxy Dimension Panel* is completed.

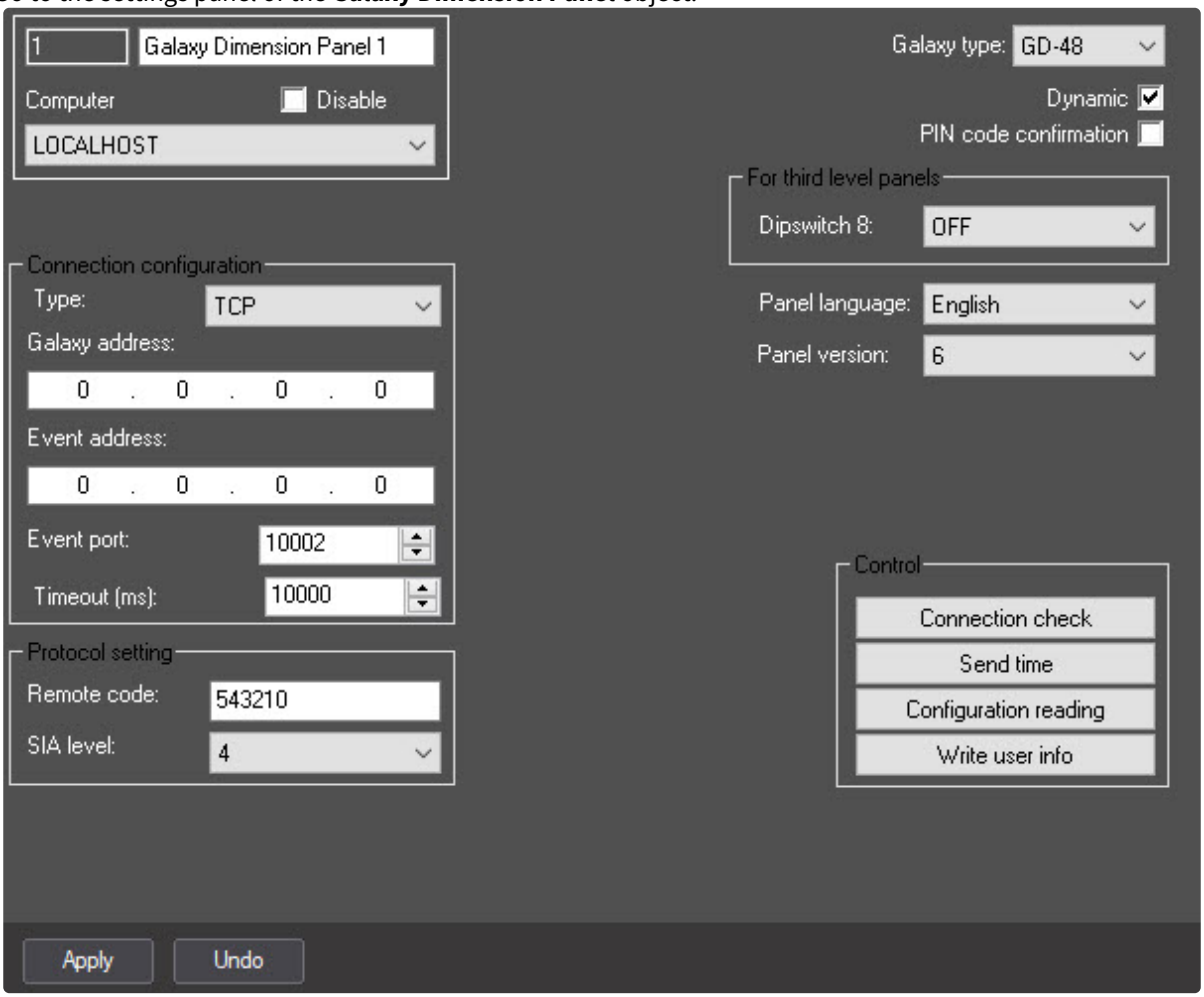
3.2.3 Configuring the data exchange protocol with the Galaxy Dimension Panel

Data exchange between the *ACFA PSIM* Server and the *Galaxy Dimension Panel* is performed via the SIA protocol.

> **Note**
>
> For more information on protocols used in the *Galaxy Dimension* system, refer to the official documentation for the *Galaxy Dimension Panel*.

The SIA protocol is configured as follows:

1. Go to the settings panel of the **Galaxy Dimension Panel** object.



2. In the **Remote code** field, enter the password used to connect the *Axxon PSIM* Server to the *Galaxy Dimension Panel*. This password must match the password used to remotely access the panel.

   > **Note**
   >
   > For more information on passwords in the *Galaxy Dimension* system, refer to the official documentation for the *Galaxy Dimension* system.

3. From the **SIA level** drop-down list, select the value corresponding to the required level of interaction between the *Axxon PSIM* Server and the *Galaxy Dimension Panel* via the SIA protocol.

SIA level	**Description of the level of interaction between the *Axxon PSIM* Server and the *Galaxy Dimension Panel***
1	Transmits basic information on the event
2	Same as level 1, but including transmission of advanced event codes
3	Same as level 2, but including transmission of text descriptions of events
4	Same as level 3, but also allows reception of commands for managing the control panel

> **Note**
>
> Full interaction (monitoring, management) between the *Axxon PSIM* Server and the *Galaxy Dimension Panel* is only provided via the forth level of SIA.

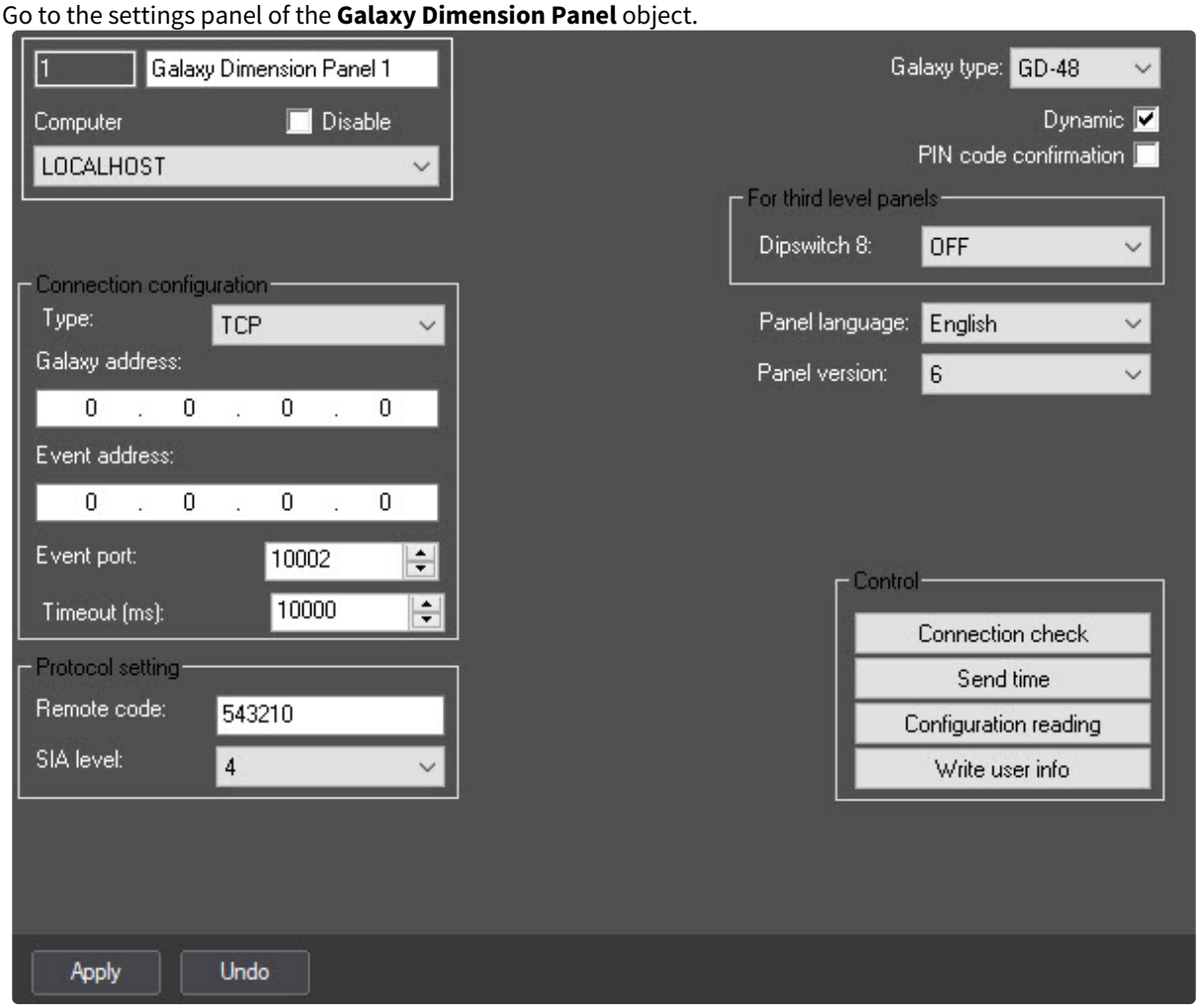
4. Click the **Apply** button to save the changes.

Configuration of the SIA protocol is completed.

3.2.4 Synchronization of the Galaxy Dimension Panel and ACFA PSIM

To synchronize the *Galaxy Dimension Panel* and *ACFA PSIM*, do the following:

1. Go to the settings panel of the **Galaxy Dimension Panel** object.



2. Click the **Send time** button to synchronize the system time of the *Axxon PSIM* Server and internal time of the *Galaxy Dimension Panel*.
3. Click the **Configuration reading** button to read the configuration of the *Galaxy Dimension Panel*. As a result, the standard window of files selection will open, you must select the corresponding file with .mdb extension, from which the configuration will be read.
4. Click the **Write user info** button to write users to the *Galaxy Dimension Panel*.

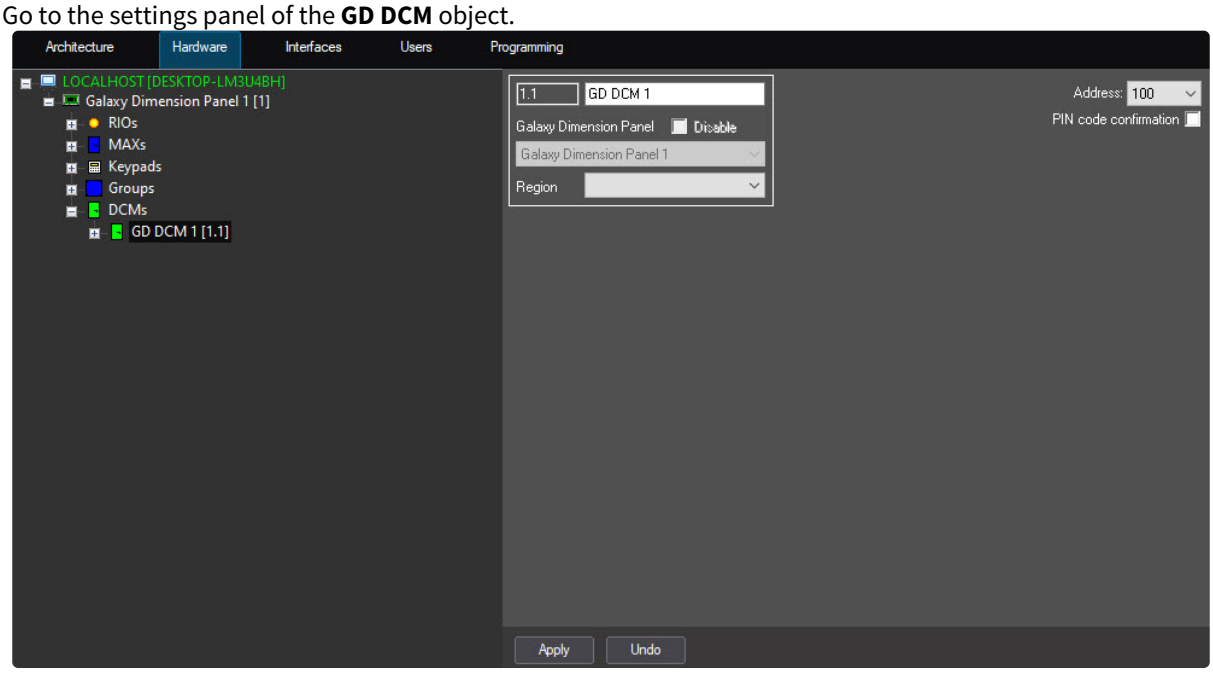
Click the **Apply** button to save the changes.

Synchronization of the *Galaxy Dimension Panel* and *ACFA PSIM* is complete.

3.3 Configuring the Galaxy Dimension door control module

You can create the **GD DCM** object on the basis of the **Galaxy Dimension Panel** object. To configure the **GD DCM** object, do the following:

1. Go to the settings panel of the **GD DCM** object.



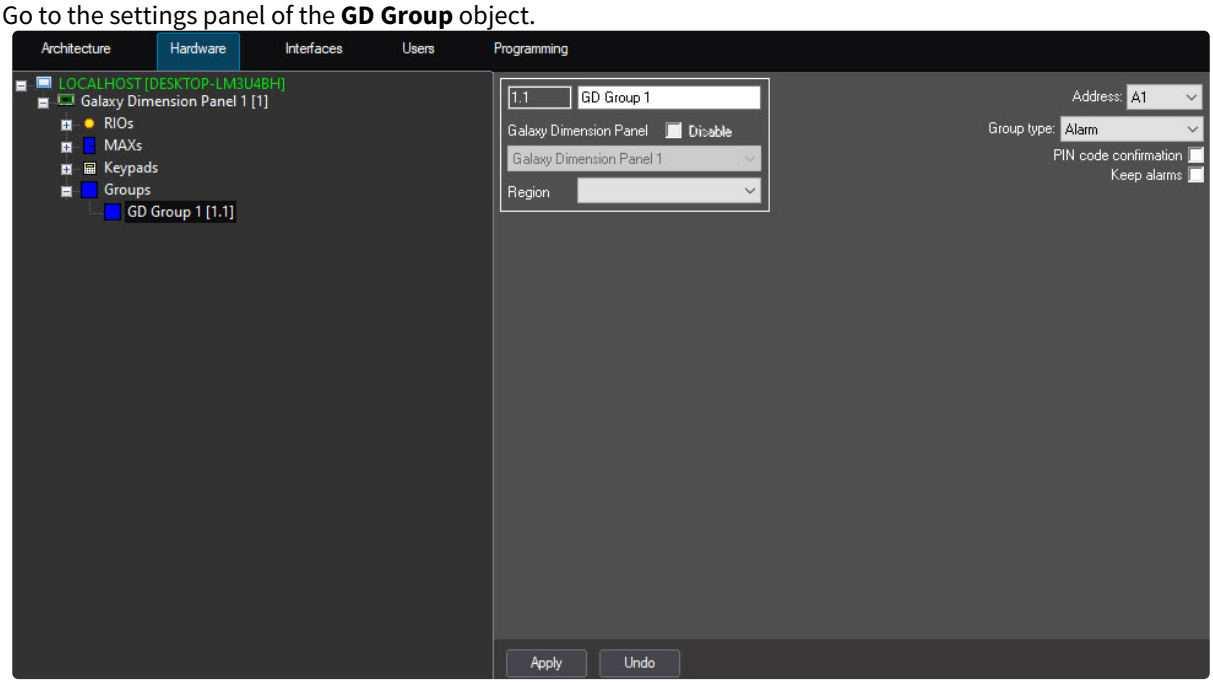
2. From the **Address** drop-down list, select the address displayed for the specific control module in the menu of the operator of the *Galaxy Dimension Panel*.
3. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
4. Click the **Apply** button to save the changes.

Configuration of the *Galaxy Dimension* door control module is completed.

3.4 Configuring the Galaxy Dimension group

You can create the **GD Group** object on the basis of the **Galaxy Dimension Panel** object. To configure the **GD Group** object, do the following:

1. Go to the settings panel of the **GD Group** object.



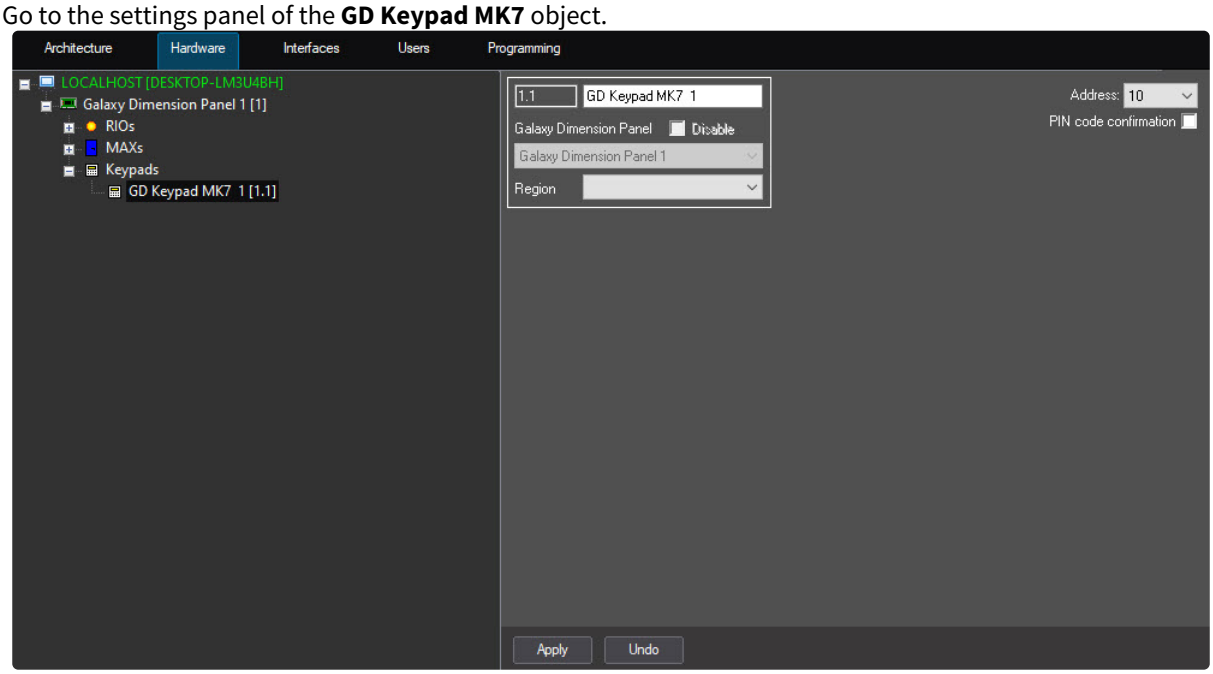
2. From the **Address** drop-down list, select the address displayed for the specific group in the menu of the operator of the *Galaxy Dimension Panel.*
3. From the **Group type** drop-down list, select the type of the group: **Alarm**, **Alarm PL**, **Simple**.
4. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
5. Set the **Keep alarms** checkbox to store alarms until they are processed by the operator.
6. Click the **Apply** button to save the changes.

Configuration of the *Galaxy Dimension* group is completed.

3.5 Configuring the Galaxy Dimension keypad

You can create the **GD Keypad MK7** object on the basis of the **Galaxy Dimension Panel** object. To configure the **GD Keypad MK7** object, do the following:

1. Go to the settings panel of the **GD Keypad MK7** object.



> **Note**
>
> The **GD Keypad MK7** object must match the *Galaxy Dimension* panel to which the keypad is connected.

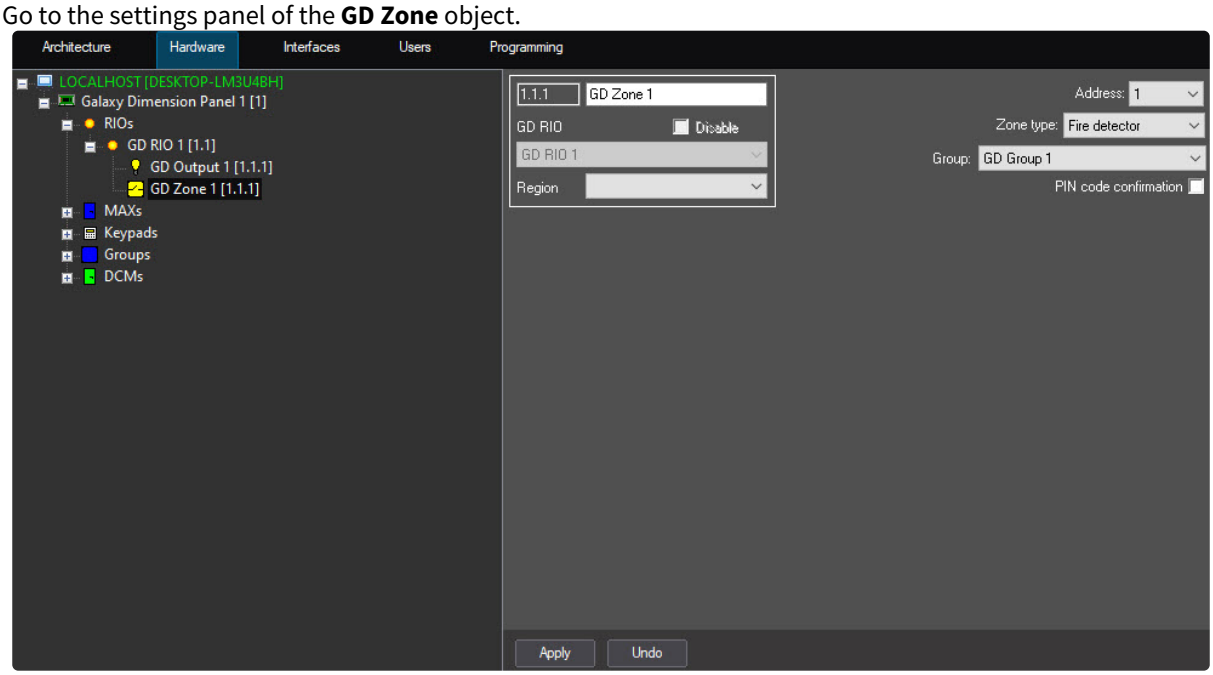
2. From the **Address** drop-down list, select the address displayed for the specific keypad in the menu of the operator of the *Galaxy Dimension Panel*.
3. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
4. Click the **Apply** button to save the changes.

Configuration of the MK7 keypad is completed.

3.6 Configuring the Galaxy Dimension zone

You can create the **GD Zone** object on the basis of the **GD RIO** object. To configure the **GD Zone** object, do the following:

1. Go to the settings panel of the **GD Zone** object.



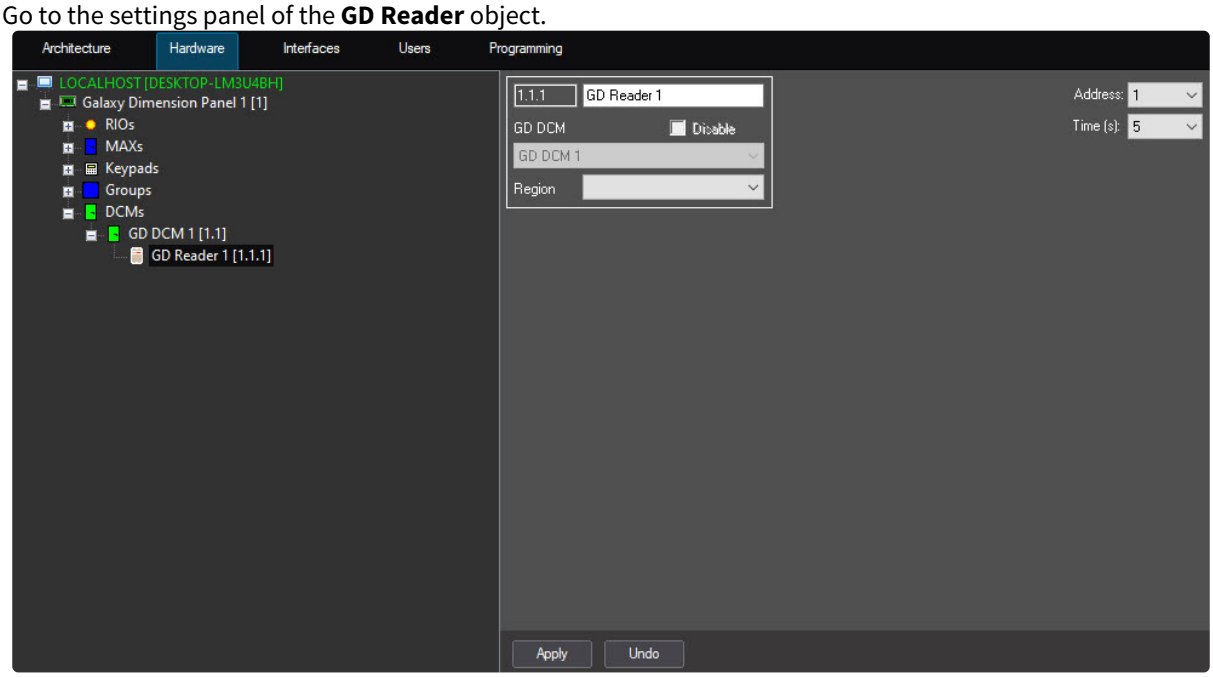
2. From the **Address** drop-down list, select the address displayed for the specific zone in the menu of the operator of the *Galaxy Dimension Panel*.
3. From the **Zone type** drop-down list, select the type of zone: **Barrier**, **Battery monitor**, **Button**, **Ceiling pir**, **Emergency button**, **Fire detector**, **High voltage monitor**, **Lock monitor**, **Low voltage monitor**, **Magnetic contact**, **Manual call**, **Panic alarm**, **Pir detector**, **Seismic detector**.
4. From the **Group** drop-down list, select the group to which the zone belongs.
5. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
6. Click the **Apply** button to save the changes.

Configuring the *Galaxy Dimension* zones is completed.

3.7 Configuring the Galaxy Dimension reader

You can create the **GD Reader** object on the basis of the **GD DCM** object. To configure the **GD Reader** object, do the following:

1. Go to the settings panel of the **GD Reader** object.



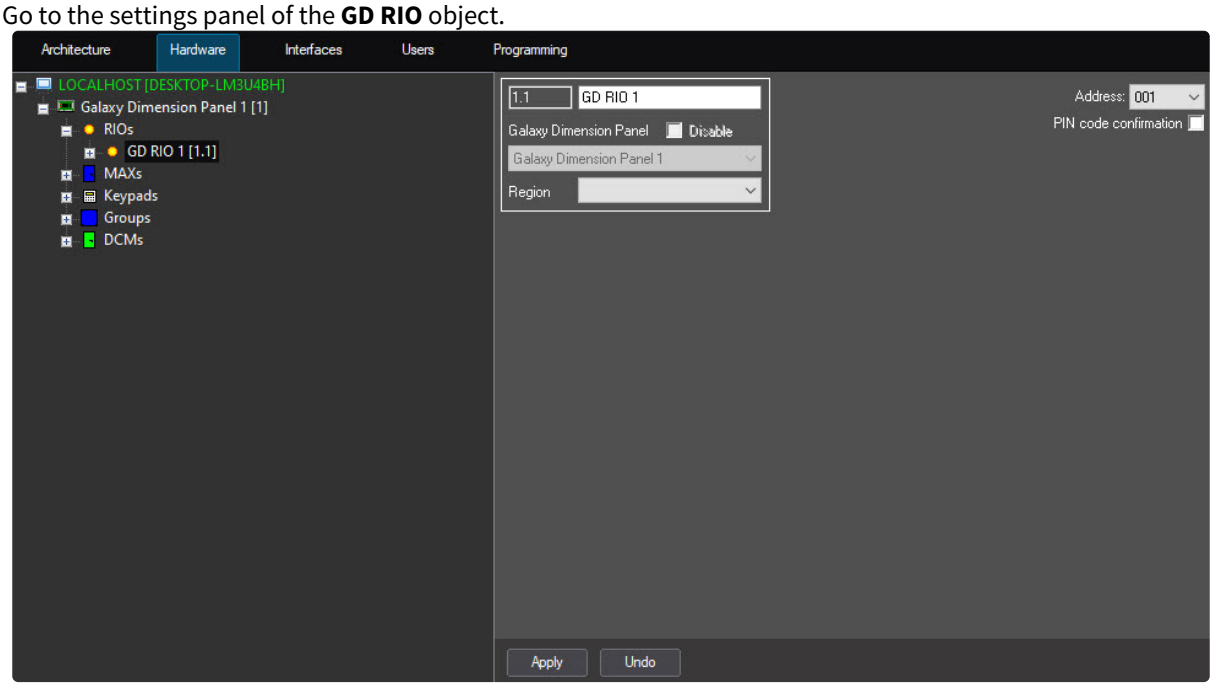
2. From the **Address** drop-down list, select the address displayed for the specific reader in the menu of the operator of the *Galaxy Dimension Panel*.
3. From the **Time (s)** drop-down list, select the time period in seconds after which the door control module will change its state.
4. Click the **Apply** button to save the changes.

Configuration of the *Galaxy Dimension* reader is completed.

3.8 Configuring the Galaxy Dimension input-output module

You can create the **GD RIO** object on the basis of the **Galaxy Dimension Panel** object. To configure the **GD RIO** object, do the following:

1. Go to the settings panel of the **GD RIO** object.



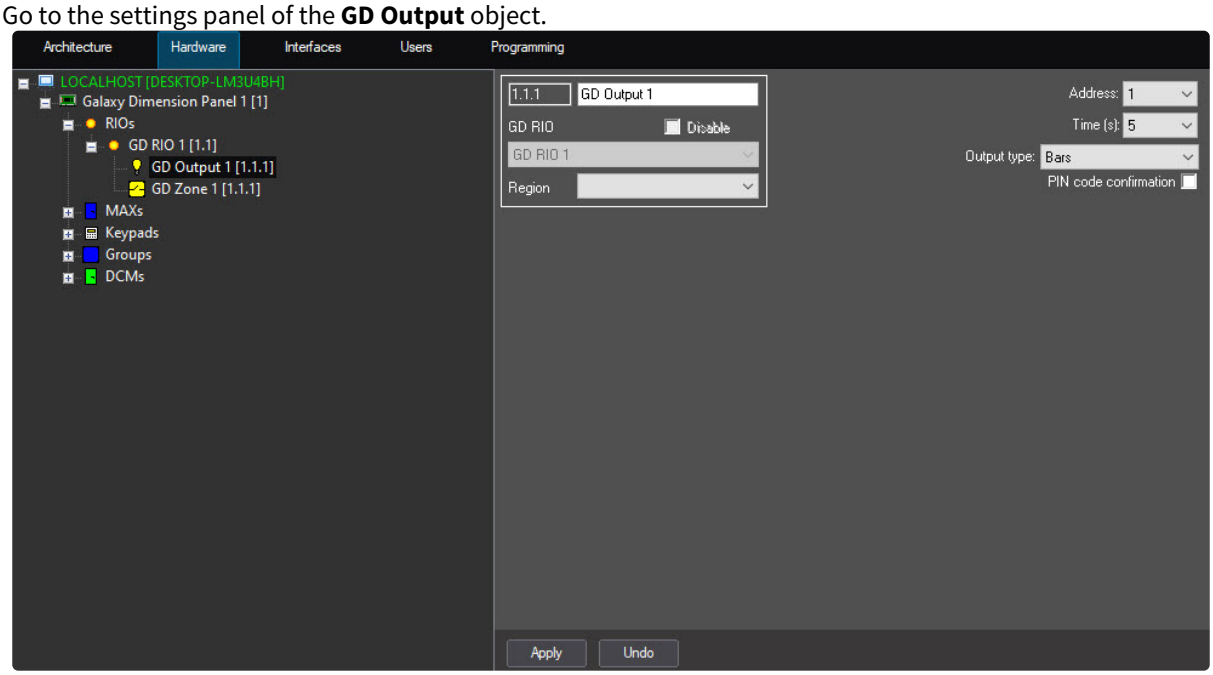
2. From the **Address** drop-down list, select the address displayed for the specific input-output module in the menu of the operator of the *Galaxy Dimension Panel*.
3. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
4. Click the **Apply** button to save the changes.

Configuration of the *Galaxy Dimension* input-output module is completed.

3.9 Configuring the Galaxy Dimension output

You can create the **GD Output** object on the basis of the **GD RIO** object. To configure the **GD Output** object, do the following:

1. Go to the settings panel of the **GD Output** object.



2. From the **Address** drop-down list, select the address displayed for the specific output in the menu of the operator of the *Galaxy Dimension Panel*.
3. From the **Time (s)** drop-down list, select the time period during which exit will be granted.
4. From the **Output type** drop-down list, select the type of the configured output: **Bars**, **Block keypad**, **Block line**, **Block PL line**, **Block reader**, **Door opened**, **Lightning**.
5. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
6. Click the **Apply** button to save the changes.

Configuration of the *Galaxy Dimension* output is completed.

3.10 Configuring the MAX proximity card reader

You can create the **GD MAX** object on the basis of the **Galaxy Dimension Panel** object. To configure the **GD MAX** object, do the following:

1. Go to the settings panel of the **GD MAX** object.

2. From the **Address** drop-down list, select the address displayed for the specific MAX reader in the menu of the operator of the *Galaxy Dimension Panel*.
3. Set the **PIN code confirmation** checkbox to confirm operations using a PIN code.
4. Click the **Apply** button to save the changes.

Configuration of the MAX proximity card reader is complete.

4 Working with the Galaxy Dimension Panel integration module

4.1 General information about working with the Galaxy Dimension Panel integration module

You can use the following interface objects to operate the *Galaxy Dimension Panel* integration module:

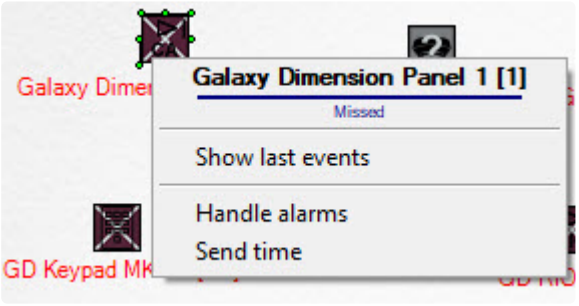
1. **Map**.
2. **Event Viewer**.

For the information on configuring the **Map** and **Event Viewer** interface objects, see Administrator's Guide.

For the information on working with these interface objects, see Operator's Guide.

4.2 Managing the Galaxy Dimension Panel

You can manage the *Galaxy Dimension Panel* in the **Map** interactive window using the function menu of the **Galaxy Dimension Panel** object.



Commands of the function menu of the **Galaxy Dimension Panel** object are described in the table:

Function menu command	Function
Handle alarms	Process system alarms
Send time	Synchronize the system time of the *Axxon PSIM* Server and internal time of the control panel

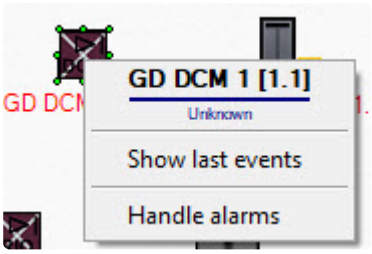
Control panel can have the following states:

	Norm
	No connection
	No power

	Tamper
	Battery

4.3 Managing the Galaxy Dimension door control module

You can manage the *Galaxy Dimension* door control module in the **Map** interactive window using the function menu of the **GD DCM** object.



Description of the command of the function menu of the **GD DCM** object:

- Handle alarms—process system alarms.

Door control module can have the following states:

	Forced
	Propped
	No connection
	Norm
	Tamper
	Unknown

4.4 Managing the Galaxy Dimension group

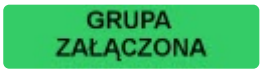
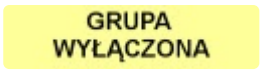
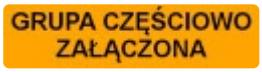
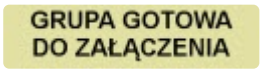
You can manage the *Galaxy Dimension* group in the **Map** interactive window using the function menu of the **GD Group** object.

Commands of the function menu of the **GD Group** object are described in the table:

Function menu command	**Function**
Reset	Reset all system alarms
Unset	Disarm a group
Partial set	Arm a group with zones
Set	Arm a group
Abort	Cancel arming
Cancel alarm	Process an alarm
Force set	Arm a group under force

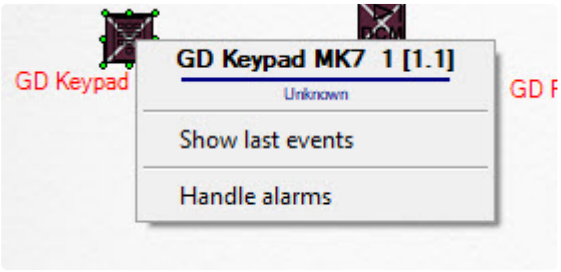
Group can have the following states:

Type of group		
Simple	Alarm PL	Alarm
		
		

4.5 Managing the Galaxy Dimension keypad

You can manage the *Galaxy Dimension* keypad in the **Map** interactive window using the function menu of the **GD Keypad MK7** object.



Description of the command of the function menu of the **GD Keypad MK7** object:

- Handle alarms—process system alarms.

Keypad can have the following states:

	Norm
	No connection

	Tamper
	Unknown

4.6 Managing the Galaxy Dimension zone

You can manage the *Galaxy Dimension* zone in the **Map** interactive window using the function menu of the **GD Zone** object.

Commands of the function menu of the **GD Zone** object are described in the table:

Function menu command	**Function**
Omit	Disable arming and disarming
Unomit	Enable arming and disarming

Zone can have the following states:

Type of zone							**State**
Barrier	Battery monitor	Button	Ceiling pir	Emergency button	Fire detector	High voltage monitor	
							Masked
							Defect
							Tamper
							Open

							Closed
							Resistance
							Missed
							Unknown
							Alarm
							Close and arm

Type of zone							**State**
Lock monitor	Low voltage monitor	Magnetic contact	Manual call	Panic alarm	Pir detector	Seismic detector	
							Masked
							Defect
							Tamper
							Open
							Closed
							Resistance
							Missed
							Unknown

							Alarm
							Close and arm

4.7 Managing the Galaxy Dimension reader

You cannot manage the *Galaxy Dimension* reader in the **Map** interactive window.

Reader can have the following states:

	Unknown
	Open
	Closed

4.8 Control the Galaxy Dimension input-output module

You can manage the *Galaxy Dimension* input-output module in the **Map** interactive window using the function menu of the **GD RIO** object.

Description of the command of the function menu of the **GD RIO** object:

- Handle alarms—process system alarms.

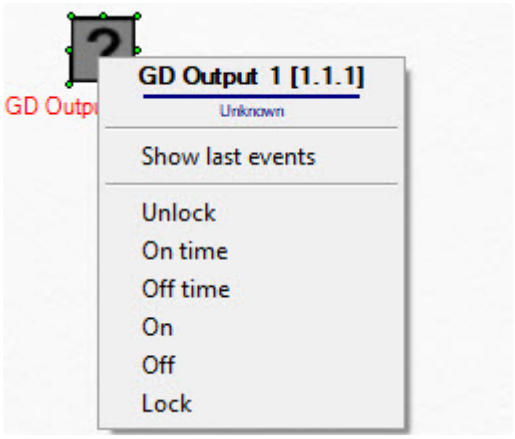
Input-output module can have the following states:

	No connection
	Norm

	Tamper
	No power
	Battery
	Unknown

4.9 Managing the Galaxy Dimension output

You can manage the *Galaxy Dimension* output in the **Map** interactive window using the function menu of the **GD Output** object.



Commands of the function menu of the **GD Output** object are described in the table:

Function menu command	**Function**
Unlock	Unlock the output
On time	Turn on the output for a set time
Off time	Turn off the output after a set time
On	Turn on the output
Off	Turn off the output
Lock	Lock the output

Output can have the following states:

Type of output							**State**
Bars	Block keypad	Block PL line	Block reader	Door opened	Lightning	Block line	
							Off
							On
							Blocked
							Unknown

4.10 Managing the MAX proximity card reader of the Galaxy Dimension Panel integration module

You can manage the MAX proximity card reader of the *Galaxy Dimension Panel* integration module in the **Map** interactive window using the function menu of the **GD MAX** object.

Description of the command of the function menu of the **GD MAX** object:

- Handle alarms—process system alarms.

MAX reader can have the following states:

	Forced
	Missed

	Norm
	Propped
	Tamper
	Unknown