ACFA Intellect

Honeywell Galaxy Dimension Integration Module Settings Guide

List of terms used in the Honeywell Galaxy Dimension Integration Module Settings Guide

Group – logical partition corresponding to the selected portion of system resources of Galaxy Dimension, such as security zones, users, ports, etc. Groups are utilized in order to more efficiently manage system resources.

MK7 keyboard – LCD keyboard connected to the Galaxy Dimension control panel, used to configure and manage the control panel.

Honeywell Galaxy Dimension control panel – panel used to monitor and manage fire and security alarms and access control devices.

Operator's menu – menu used to configure the Galaxy Dimension control panel.

Security zone – individually programmable port in the Galaxy Dimension control panel that performs alarm functions. Security zones are joined into groups of 8 using port expanders (RIO).

Introduction into Honeywell Galaxy Dimension Integration Module Settings Guide

On the page:

Document purpose

The *Honeywell Galaxy Dimension* integration module configuration and operation manual is an informational reference aid intended for use by configuration specialists and operators of the *Honeywell Galaxy Dimension* module. This module is part of the fire and security alarm subsystem implemented with the *ACFA Intellect* software package.

This Guide contains the following material:

1. general information on the *Honeywell Galaxy Dimension* integration module
2. configuration of the *Honeywell Galaxy Dimension* integration module
3. operation of the *Honeywell Galaxy Dimension* integration module.

General information on the Honeywell Galaxy Dimension integration module

The *Honeywell Galaxy Dimension* integration module is a component of the *ACFA Intellect*-based FSA subsystem that enables interaction between the *ACFA Intellect* software package and the *Honeywell Galaxy Dimension* system (produced by Honeywell, Inc.).

ACFA Intellect interacts with the following components of the *Honeywell Galaxy Dimension* system:

1. Galaxy Dimension control panel;
2. MK7 keyboard;
3. security zone;
4. group;
5. door control module;
6. output.

Note.
For more information on components of the *Honeywell Galaxy Dimension* system, refer to the official documentation of the *Galaxy Dimension* control panel.

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

1. monitors the *Honeywell* v*Galaxy Dimension* system
2. manages the *Honeywell Galaxy Dimension* system

The *Honeywell Galaxy Dimension* integration module can be configured once the following steps are completed:

1. Install *Honeywell Galaxy Dimension* hardware at the facility
2. Configure the fire and security alarm function of the *Honeywell Galaxy Dimension* system (refer to the documentation of the *Honeywell Galaxy Dimension* control panel)

   Attention!
   The *Honeywell Galaxy Dimension* integration module is configured using the settings assigned at this step.

3. Configure the list of *ACFA Intellect* users.

NOTE.
The user list can be configured through the basic version of *ACFA Intellect* (simplified configuration) or by using the *Visitor Management System* module (advanced configuration). Information on configuring the user list is presented in the software's reference documentation.

Supported hardware and licensing of the Honeywell Galaxy Dimension 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 www.security.honeywell.com
Integration type	Low-level protocol
Equipment connection	RS-232

Supported equipment

Equipment	Function	Features
Galaxy GD-48	Control panel	8 independent protected areas up to 48 detection zones (16 zones on-board) up to 8 doors up to 100 card holders per system 19 weekly schedules supports up to 8 keypads Support for 1 graphical touch-screen keypad Individual AC (500 events) and FA (1,000 events) event logs Supports several communications options (PSTN, ISDN, Ethernet) Up to 8 Audio Verification (listen-in) channels Compliant to all relevant Russian and European standards Fully compatible with existing Galaxy range
Galaxy GD-96	Control panel	16 independent protected areas up to 96 detection zones (16 zones on-board) up to 32 doors up to 250 card holders per system 35 weekly schedules supports up to 16 keypads Support for 2 graphical touch-screen keypads Individual AC (1,000 events) and FA (1,500 events) event logs Supports several communications options (PSTN, ISDN, Ethernet) Up to 16 Audio Verification (listen-in) channels Compliant to all relevant Russian and European standards Fully compatible with existing Galaxy range

Galaxy GD-264	Control panel	Up to 520 zones Control of access for 64 doors Up to 1000 card holders per system 67 weekly schedules Supports up to 16 keypads Supports for 2 graphical touch-screen keypads Individual ACS (1,000 events) and FAS (1,500 events) event logs Supports several communications options (PSTN, ISDN, Ethernet) Up to 32 Audio Verification (listen-in) channels Compliant to all relevant Russian and European standards Fully compatible with existing Galaxy range
Galaxy GD-520	Control panel	Up to 520 detection zones Control of access for 64 doors Up to 1000 card holders per system 67 weekly schedules Supports up to 32 keypads Supports for 4 graphical touch-screen keypads Individual ACS (1,000 events) and FAS (1,500 events) event logs Supports several communications options (PSTN, ISDN, Ethernet) Up to 32 Audio Verification (listen-in) channels Compliant to all relevant Russian and European standards Fully compatible with existing Galaxy range
DCM	Access controller	Up to 2 doors controlled (up to 64 per system). Up to 999 users (card holders). Separate Access event log (up to 1000 events). User's access controlled by access templates and group set status (armed/disarmed). Up to 32 yearly holiday schedule Area behind a door is unset automatically upon access if user has authority. This prevents false alarms due to failure to unset. Wiegand compatiblilty Gives the flexibility to work with a huge range of reader and card technologies up to 40 bits. Allows compatibility to retrofit existing installations Compatible with Wiegand keypads that use 8-bit burst mode

Protection
1 COM port, in fact – any one Galaxy GD control panel.

Configuring the Honeywell Galaxy Dimension integration module

Procedure for configuring the Honeywell Galaxy Dimension integration module

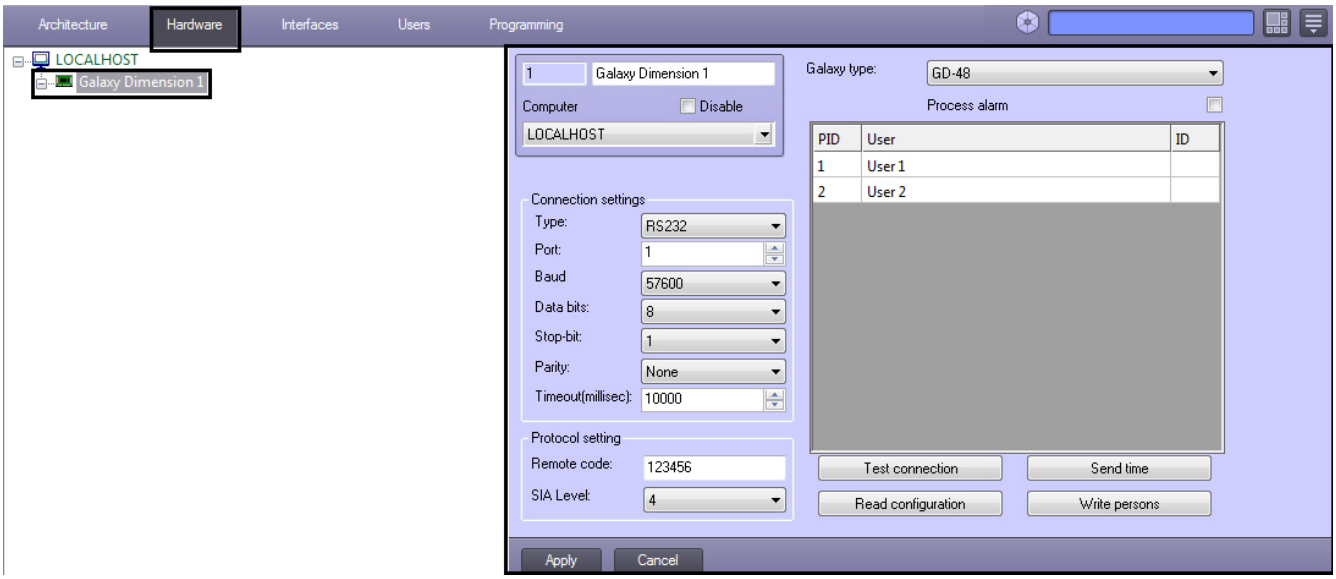
The *Honeywell Galaxy Dimension* integration module is configured through the following steps:

1. Configure interaction between *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel.
2. Configure the MK7 keyboard, which will be used to configure and manage the *Honeywell Galaxy Dimension* control panel.
3. Configure *Honeywell Galaxy Dimension* security zones.
4. Configure *Honeywell Galaxy Dimension* groups.
5. Configure *Honeywell Galaxy Dimension* outputs.
6. Configure *Honeywell Galaxy Dimension* door control moduls.

Configuring interaction between ACFA Intellect and the Honeywell Galaxy Dimension control panel

Procedure for configuring interaction between ACFA Intellect and the Honeywell Galaxy Dimension control panel

Interaction between *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel is configured through the settings panel of the **Galaxy Dimension** object. This object is created from the **Computer** object on the **Hardware** tab of the **System settings** dialog box.



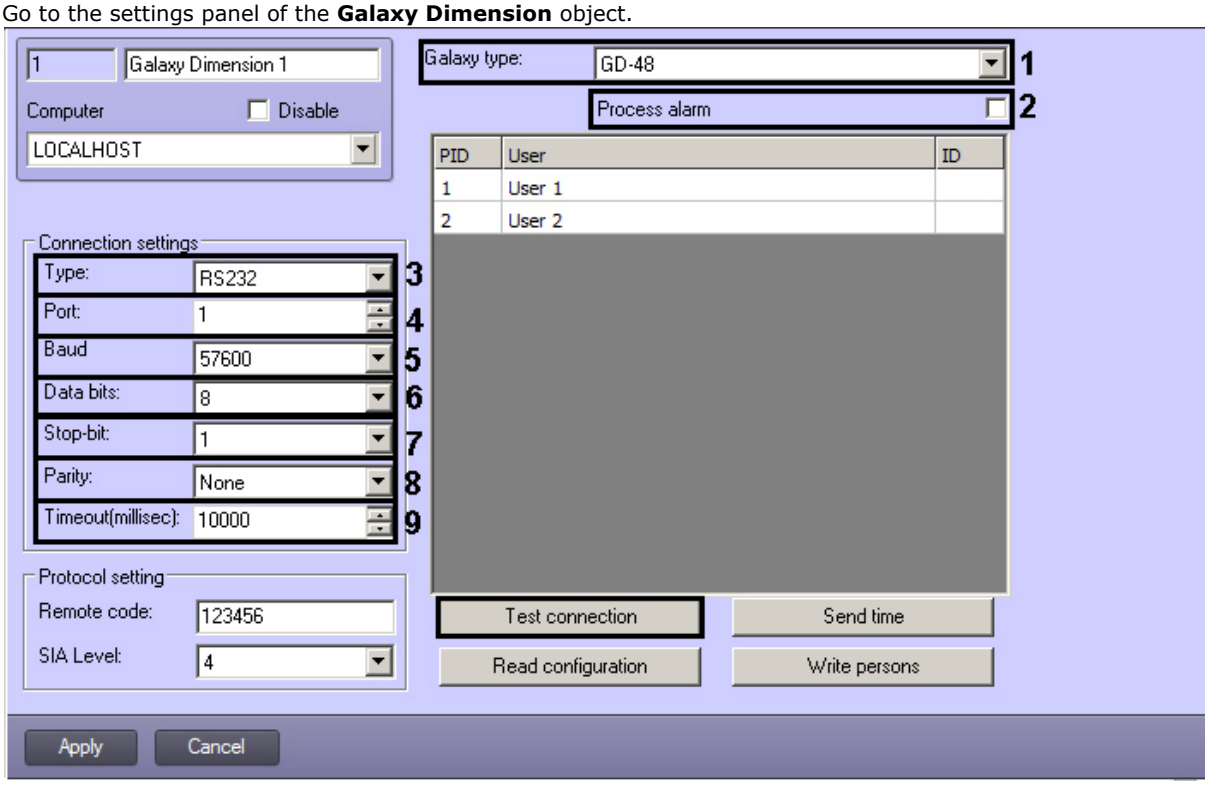
Interaction between *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel is configured through the following steps:

1. Configure the connection between *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel.
2. Configure the data exchange protocol used by *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel.
3. Configure users of the *Honeywell Galaxy Dimension* control panel.
4. Synchronization of the *Honeywell Galaxy Dimension* control panel and *ACFA Intellect* software package.

Configuring the connection between ACFA Intellect and the Honeywell Galaxy Dimension control panel

The connection between *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel is configured as follows:

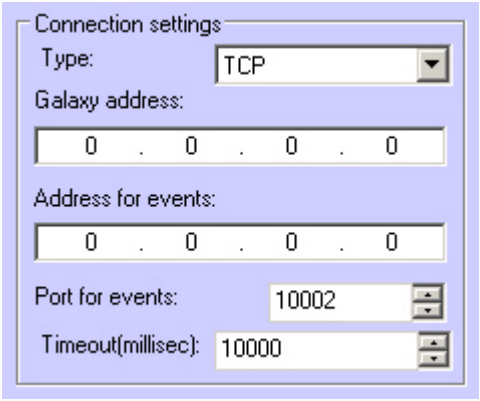
1. Go to the settings panel of the **Galaxy Dimension** object.



2. From the **Galaxy type:** drop-down list select the type of connected control panel (**1**).
3. Set the **Process alarm** checkbox if it is required to process alarms automatically (**2**).
4. From the **Type:** drop-down list select the type of connection between the *Honeywell Galaxy Dimension* control panel and the *Intellect* Server (**3**).
5. From the **Port:** drop-down list, select the COM port of the Intellect Server to be used to connect with the *Honeywell Galaxy Dimension* control panel (**4**).

> **Note.**
> If the *TCP* type of connection is selected then the corresponding IP-address of the *Honeywell Galaxy*

Dimension control panel, IP-address of receiving events from the control panel, number of port through which events should be received and connection timeout in milliseconds are to be specified.



6. From the **Baud:** drop-down list, select the data exchange rate between the *Intellect* Server and the *Honeywell Galaxy Dimension* control panel. This parameter is expressed in bits per second (**5**).
7. 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 (**6**).
8. From the **Stop bits:** drop-down list, select the number of stop bits for data exchange over the COM port (**7**).
9. From the **Parity:** drop-down list, select the necessary parity for data exchange (**8**).
10. In the **Timeout (millisec)**: field enter the time period in milliseconds during which check of connection with the *Honeywell Galaxy Dimension* control panel is performing (**9**).
11. To save changes, click **Apply**.
12. To test the established connection click the **Test connection** button (**10**).

Configuration of the connection between *ACFA Intellect* and the *Honeywell Galaxy Dimension* control panel is completed.

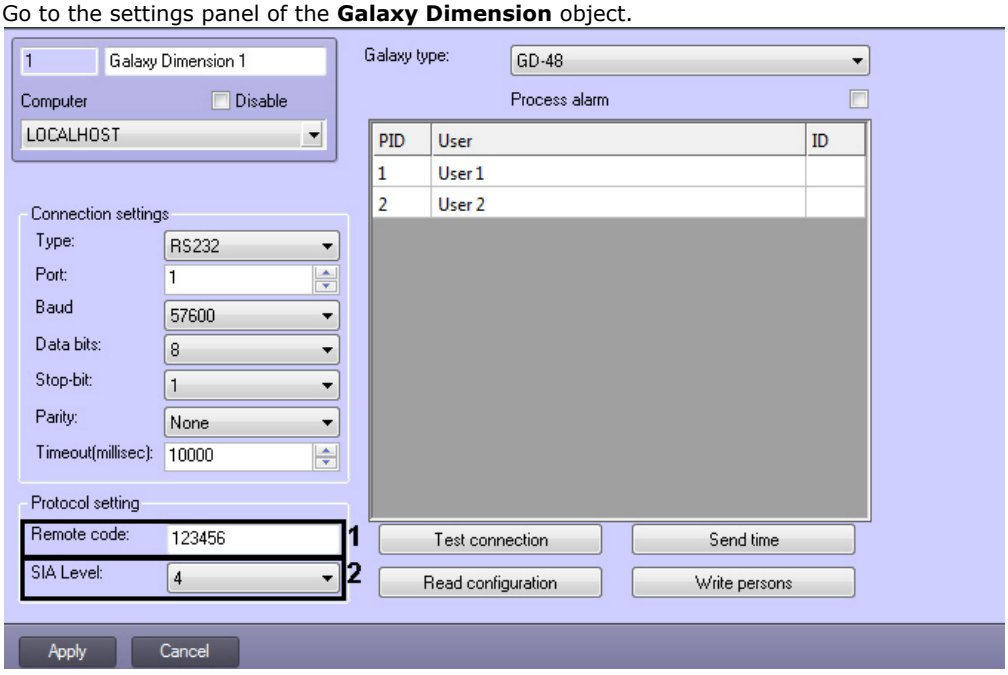
Configuring the data exchange protocol

Data exchange between the *ACFA Intellect* server and the *Honeywell Galaxy Dimension* control panel is carried out using the SIA protocol.

Note.
For more information on protocols used in the *Honeywell Galaxy Dimension* system, refer to the official documentation of the *Honeywell Galaxy Dimension* control panel.

The SIA protocol is configured as follows:

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



2. In the **Remote code** field, enter the password used to connect the *Intellect* Server to the *Honeywell Galaxy Dimension* control panel. This password must match the password used to remotely access the panel (**1**).

Note.
For more information on passwords in the *Honeywell Galaxy Dimension* system, refer to the official documentation of the *Honeywell Galaxy Dimension* system, for example, in the document titled Galaxy

Dimension: Setup Guide.

3. From the **SIA level** drop-down list, select the value corresponding to the required level of interaction between the *Intellect* Server and the *Honeywell Galaxy Dimension* control panel over the SIA protocol (**2**).

SIA level	Description of the level of interaction between the Intellect Server and the Galaxy Dimension control 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 *Intellect* Server and the *Honeywell Galaxy Dimension* control panel is only provided through the 4th level of SIA.

4. To save changes, click **Apply**.

Configuration of the SIA protocol is completed.

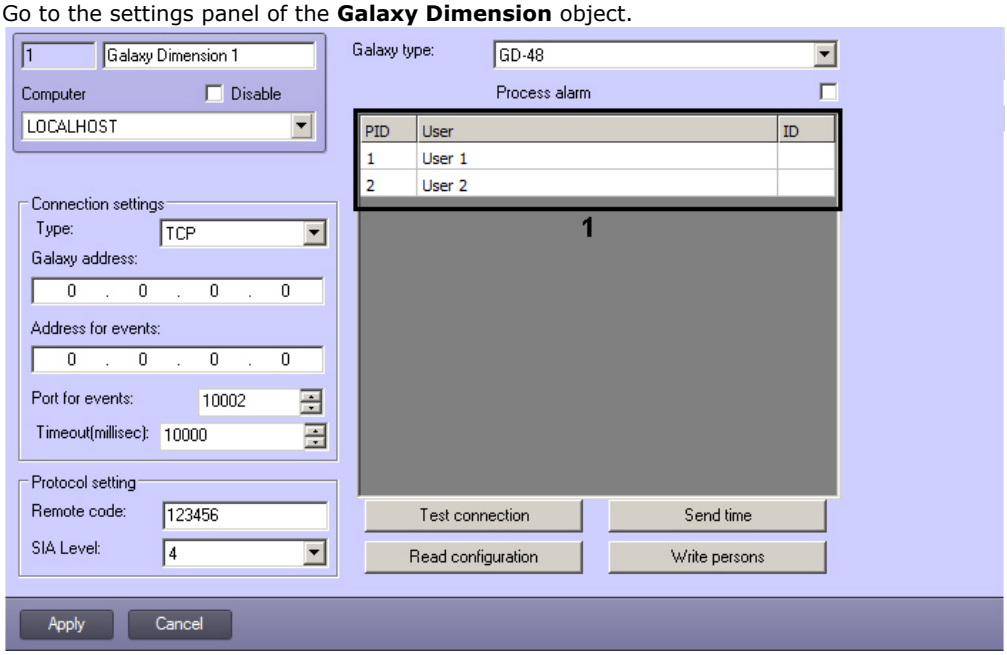
Configuring users of the Honeywell Galaxy Dimension control panel

It is possible to configure *ACFA Intellect* users' access to the *Honeywell Galaxy Dimension* control panel. Access to certain functions of panel management can be granted based on the individual user authorized to use *ACFA Intellect*.

Note.
For more information on users of the *Honeywell Galaxy Dimension* control panel, refer to the official documentation of the *Honeywell Galaxy Dimension* control panel.

Users of the *Galaxy Dimension* control panel are configured as follows:

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



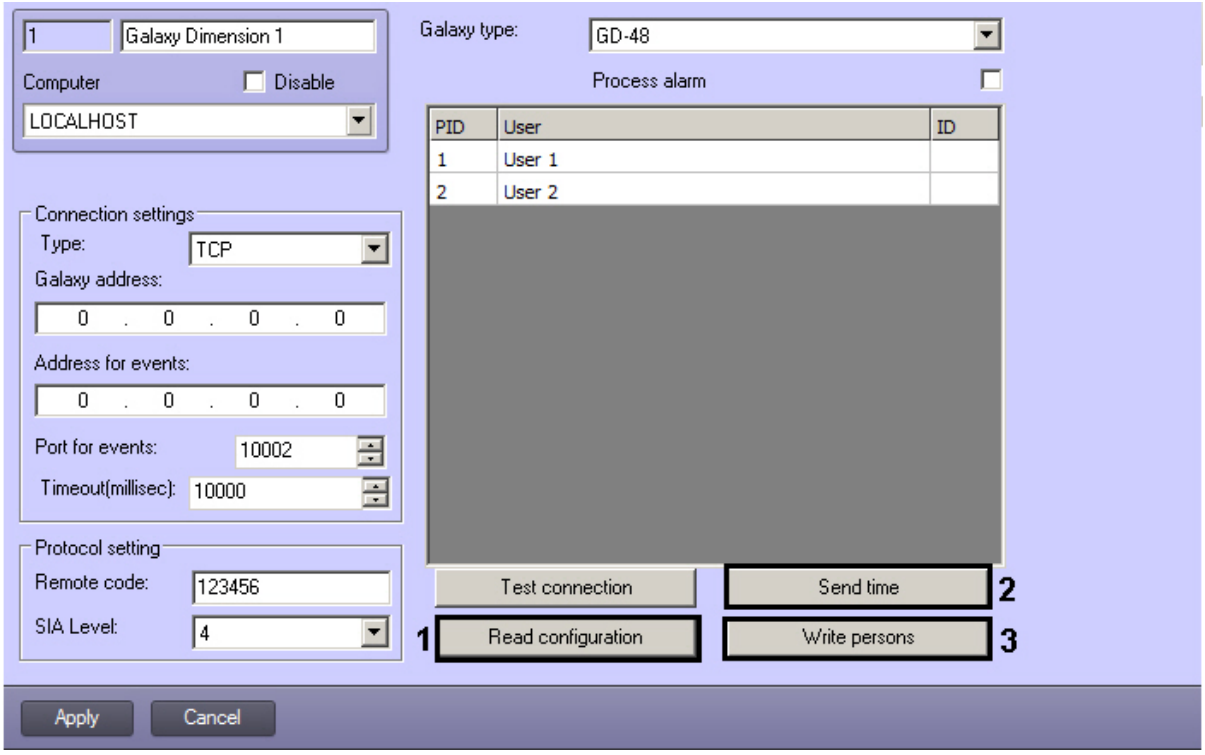
2. The list of users registered in *ACFA Intellect* are automatically displayed in table (**1**).
3. If an *ACFA Intellect* user is also a user of the *Honeywell Galaxy Dimension* control panel, then the user's identification number (from 0 to 255) for the panel should be entered into the **ID** column of table **1**.
4. To save changes, click **Apply**.

Configuration of *Honeywell Galaxy Dimension* control panel users is completed.

Synchronization of the Honeywell Galaxy Dimension control panel and ACFA Intellect software package

To synchronize the *Honeywell Galaxy Dimension* control panel and *ACFA Intellect* software package, do the following:

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

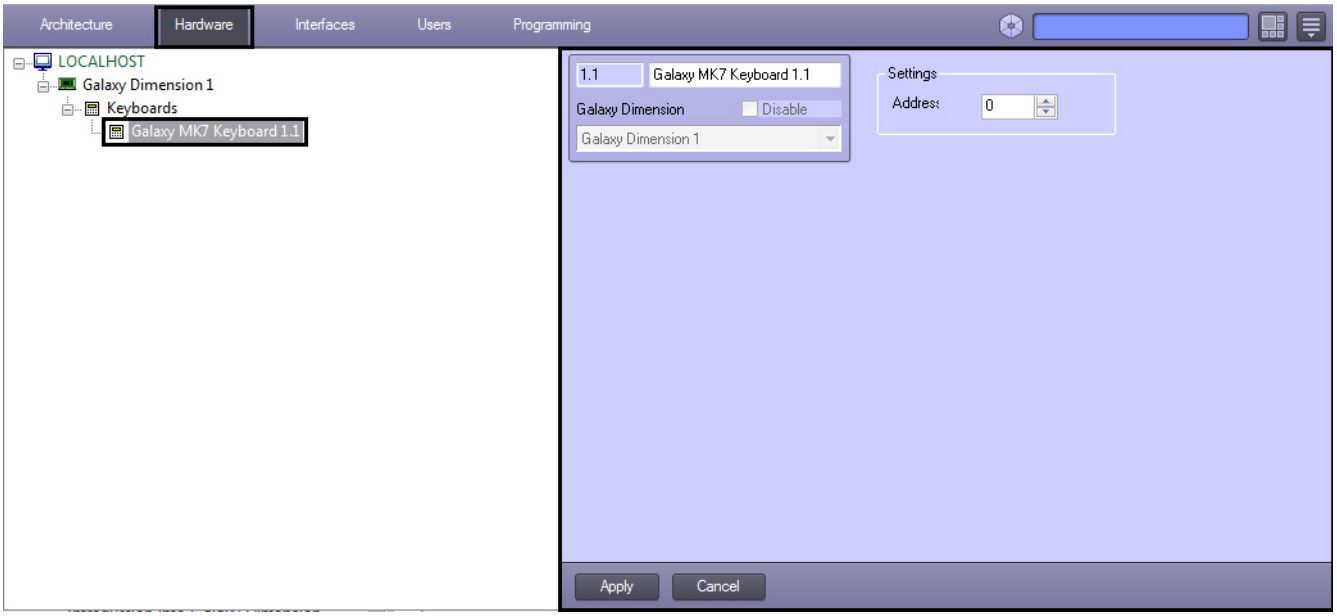


2. Click the **Read configuration** button to read configuration of the *Honeywell Galaxy Dimension* control panel (**1**). As a result the standard window of files selection will open, it is required to select the corresponding file with .mdb resolution from which configuration will be read.
3. Click the **Send time** button to synchronize system time of the *Intellect* Server and internal time of the *Honeywell Galaxy Dimension* control panel (**2**).
4. Click the **Write persons** to write users to the *Honeywell Galaxy Dimension* control panel (**3**).

To save changes click the **Apply** button.

Configuring the MK7 keyboard

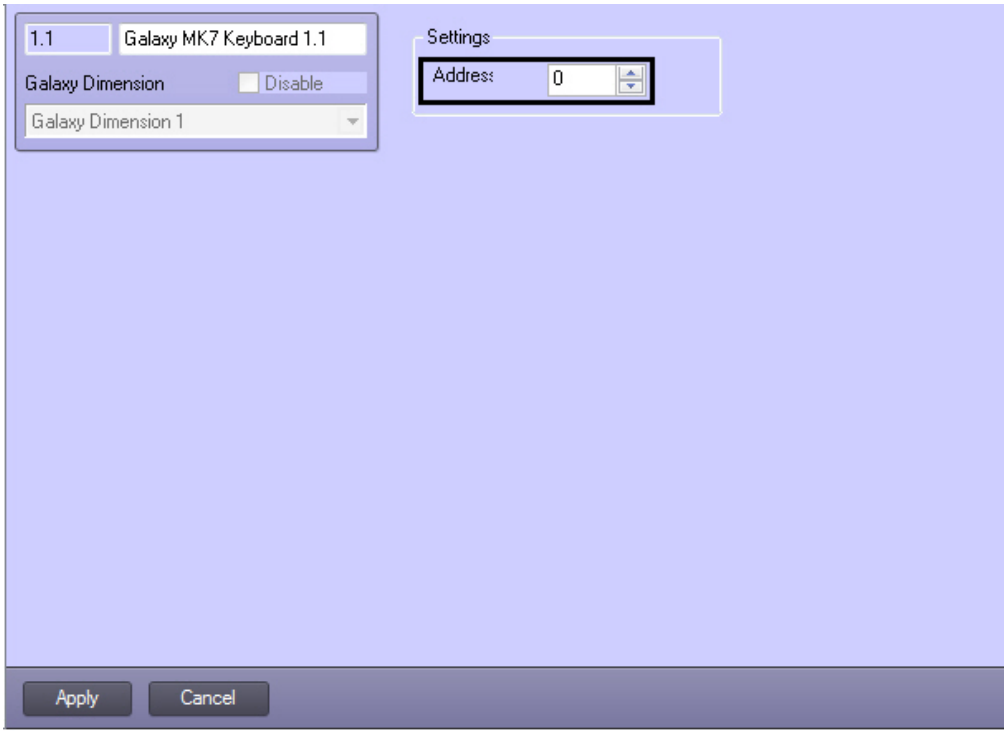
The MK7 keyboard is configured through the settings panel of the **Galaxy MK7 Keyboard** object. This object is created from the **Galaxy Dimension** object on the **Hardware** tab of the **System settings** dialog box.



NOTE.
The **Galaxy Dimension** object must match the *Galaxy Dimension* panel to which the keyboard is connected.

The MK7 keyboard is configured as follows:

1. Go to the settings panel of the **Galaxy MK7 keyboard** object.

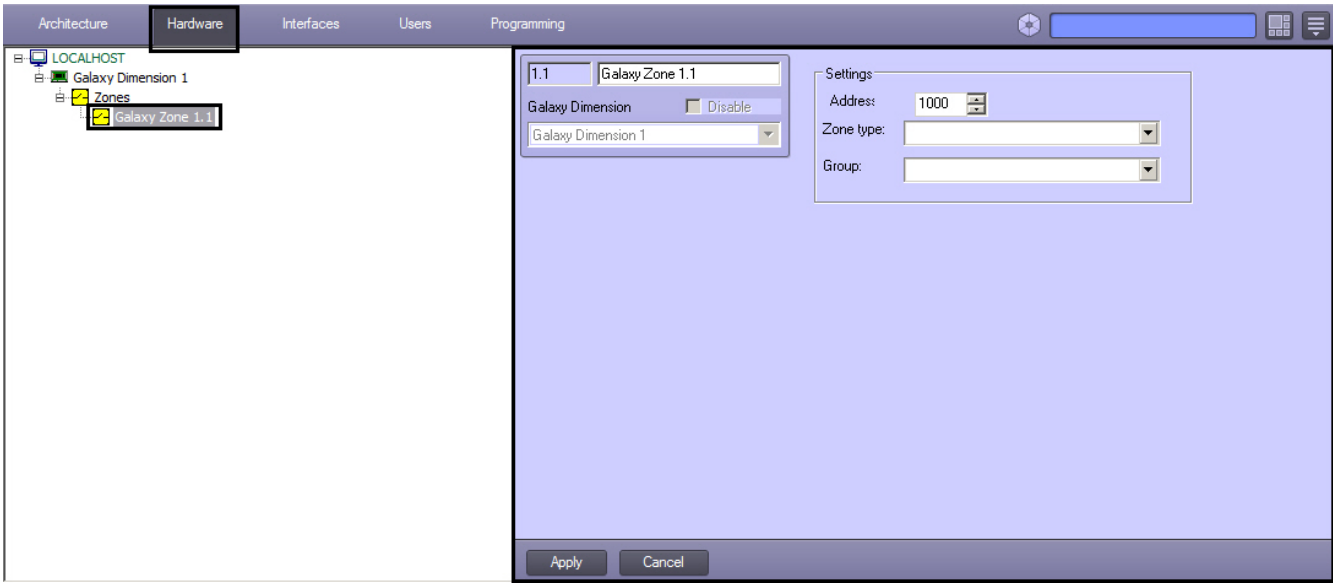


2. In the **Address** field, enter the address displayed for the specific keyboard into the operator's menu of the *Galaxy Dimension* control panel (**1**).
3. To save changes, click **Apply** (**2**).
4. Repeat steps 1-3 for all MK7 keyboards connected to the panel.

Configuration of the MK7 keyboard is completed.

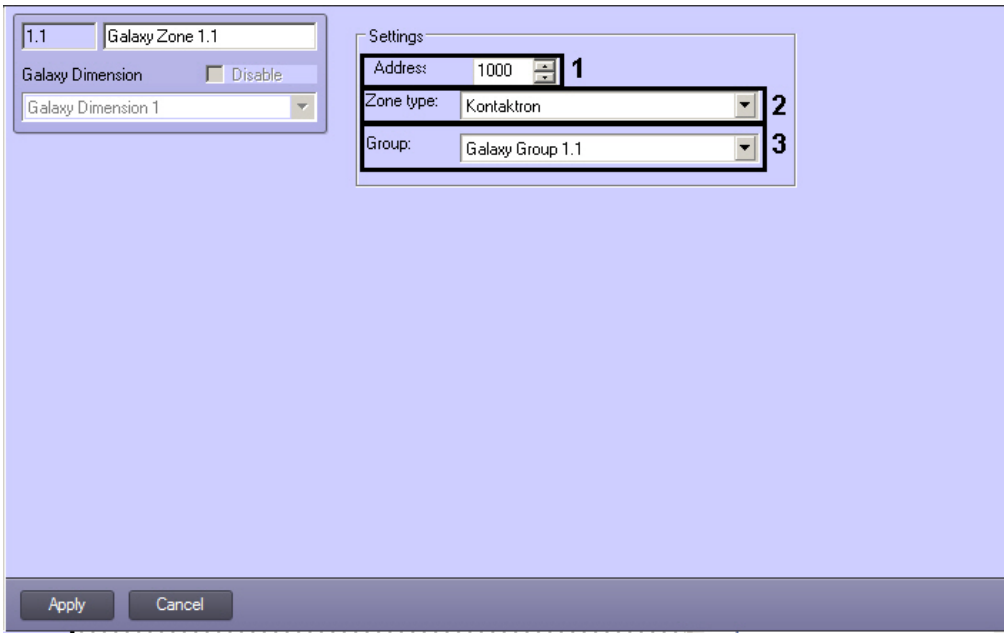
Configuring Honeywell Galaxy Dimension security zones

Security zones of the *Honeywell Galaxy Dimension* control panel are configured in the settings panel of the **Galaxy zone** o bject. This object is created from the **Galaxy Dimension** object on the **Hardware** tab of the **System settings** dialog box.



Honeywell Galaxy Dimension security zones are configured as follows:

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



2. In the **Address** field, enter the address displayed for the specific security zone into the operator's menu of the *Honeywell Galaxy Dimension* control panel (**1**).

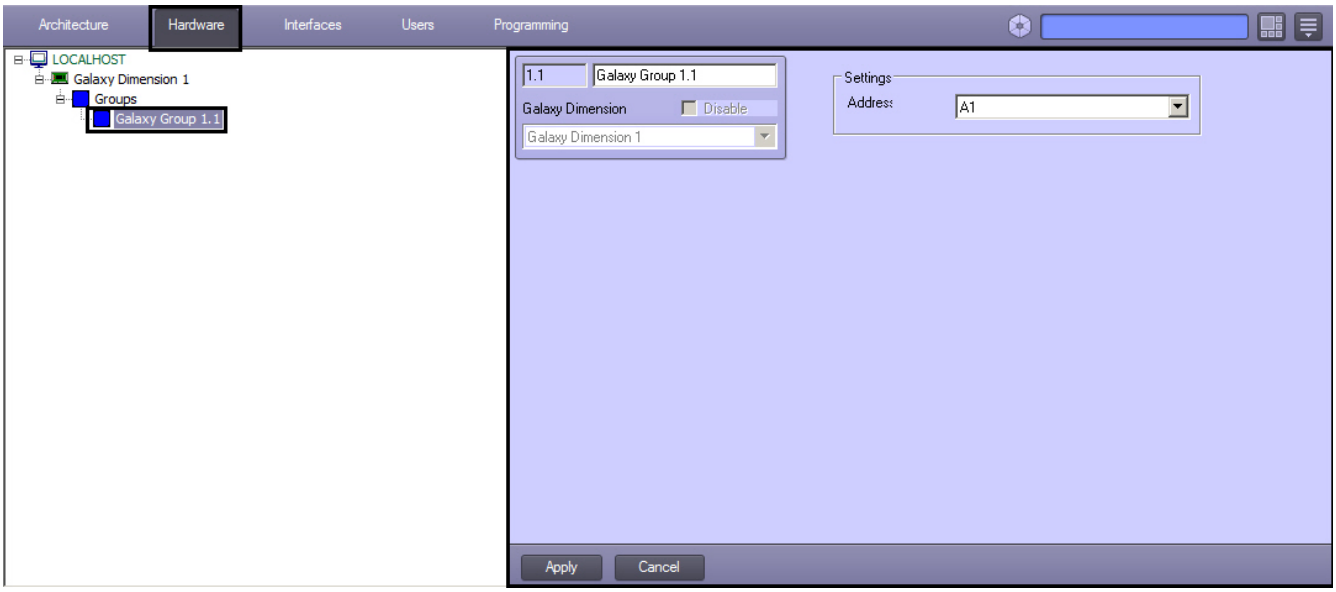
> **Note.**
> For more information on security zone addressing, refer to the official documentation of the *Honeywell Galaxy Dimension* control panel.

3. Select the type of security zone from the **Zone type** drop-down list (**2**).
4. From the **Group:** drop-down list select the group to which the zone belongs (**3**).
5. To save changes, click **Apply**.
6. Repeat steps 1-4 for all security zones.

Configuration of *Honeywell Galaxy Dimension* security zones is completed.

Configuring Honeywell Galaxy Dimension groups

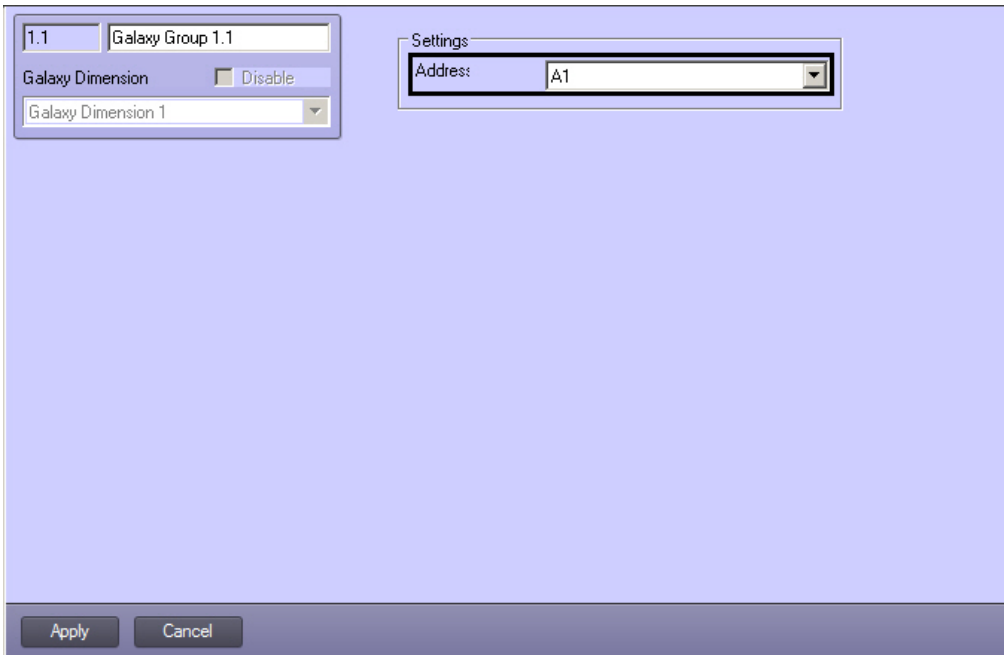
Honeywell Galaxy Dimension control panel groups are configured in the settings panel of the **Galaxy Group** object. This object is created from the **Galaxy Dimension** object on the **Hardware** tab of the **System settings** dialog box.



> **Note.**
> Up to 32 **Galaxy Group** objects can be created from one **Galaxy Dimension** object.

Honeywell Galaxy Dimension groups are configured as follows:

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



2. In the **Address** drop-down list, select the address displayed for the specific group in the operator's menu of the *Honeywell Galaxy Dimension* control panel.

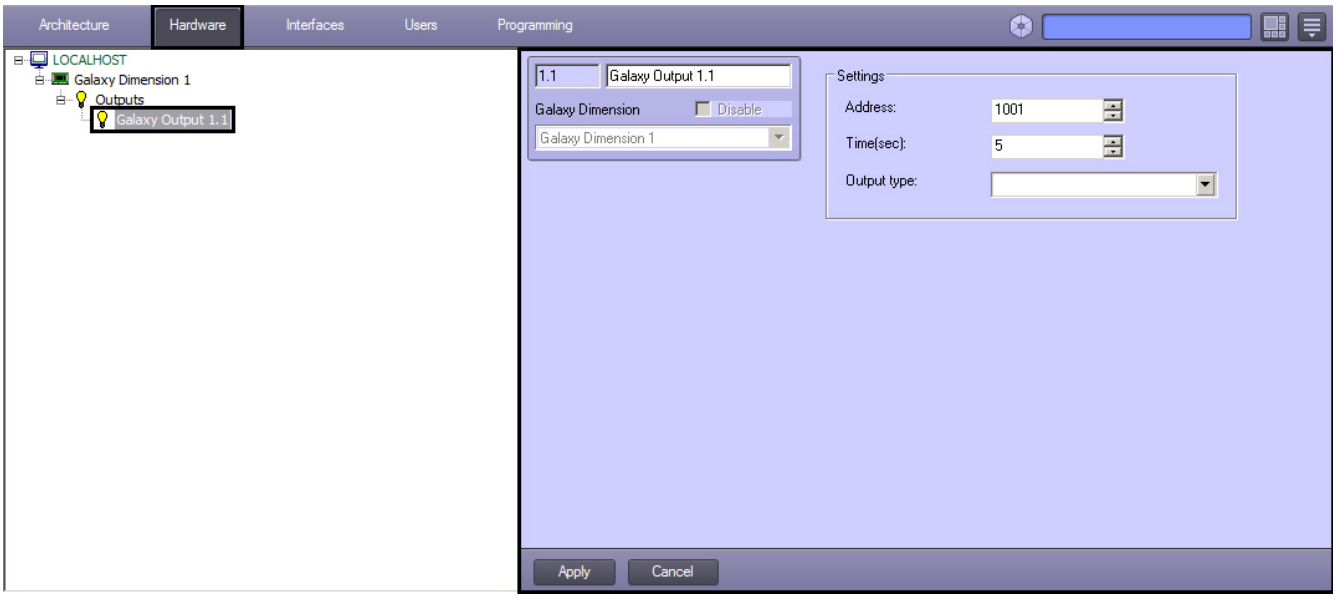
> **Note.**
> For more information on group addressing, refer to the official documentation of the *Honeywell Galaxy Dimension* control panel.

3. To save changes, click **Apply**.
4. Repeat steps 1-3 for all *Honeywell Galaxy Dimension* control panel groups.

Configuration of *Honeywell Galaxy Dimension* groups is completed.

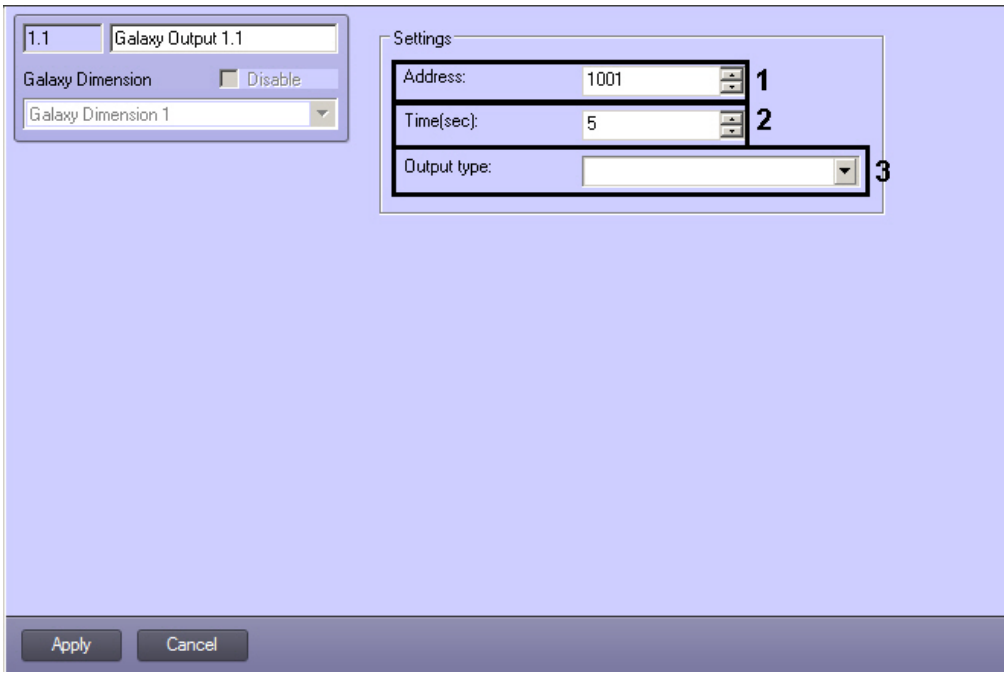
Configuring Honeywell Galaxy Dimension outputs

Honeywell Galaxy Dimension control panel outputs are configured in the settings panel of the **Galaxy Output** object. This object is created on the basis of the **Galaxy Dimension** object on the **Hardware** tab of the **System settings** dialog window.



Honeywell Galaxy Dimension outputs are configured as follows:

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



2. In the **Address:** field enter the address displayed for the specific output into the operator;s menu of the *Honeywell Galaxy Dimension* control panel (**1**).

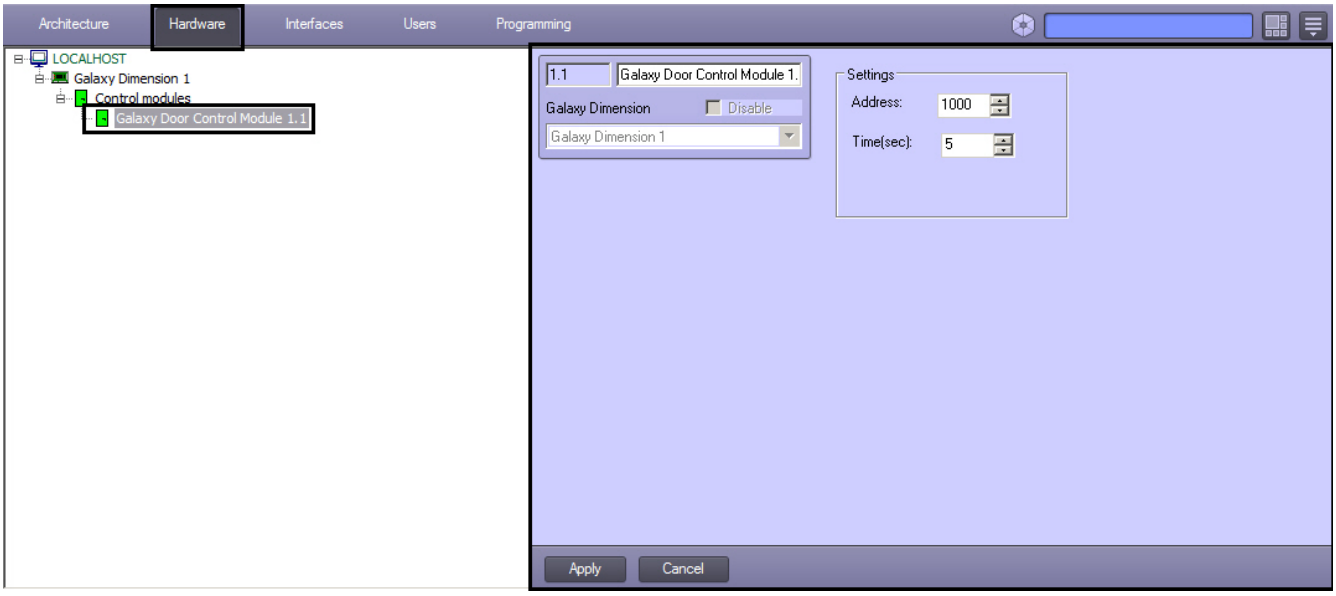
> **Note.**
> For more information on output addressing refer to the official documentation of the *Honeywell Galaxy Dimension* control panel.

3. In the **Time (sec):** field enter the time period during which exit will be granted (**2**).
4. From the **Output type:** drop-down list select the type of configured output (**3**).
5. To save changes click the **Apply** button.
6. Repeat steps 1-4 for all outputs.

Configuration of *Honeywell Galaxy Dimension* outputs is completed.

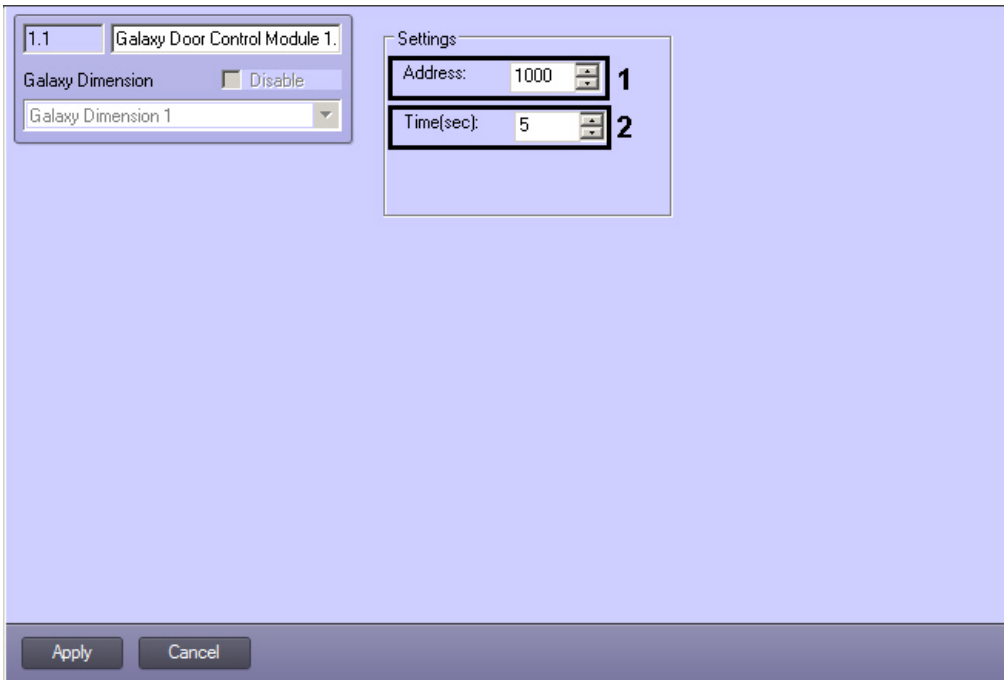
Configuring the Honeywell Galaxy Dimension control modules

Door control modules of the *Honeywell Galaxy Dimension* control panel are configured in the settings panel of the **Galaxy Door Control Module** object. This object is created from the **Galaxy Dimension** object on the **Hardware** tab of the **System settings** dialog box.



Honeywell Galaxy Dimension control modules are configured as follows:

1. Go to the settings panel of the **Galaxy Door Control Module** object.



2. In the **Address:** field enter the address displayed for the specific control module into the operator's menu of the *Honeywell Galaxy Dimension* control panel (**1**).
3. In the **Time (sec):** field enter the time period after which the door control module will change its state (**2**).
4. To save changes click the **Apply** button.
5. Repeat steps 1-3 for all control modules of the control panel.

Configuration of *Honeywell Galaxy Dimension* control modules is completed.

Operation of the Honeywell Galaxy Dimension integration module

General information about working with the Honeywell Galaxy Dimension integration module

The following interface objects are used to operate the *Honeywell Galaxy Dimension* integration module:

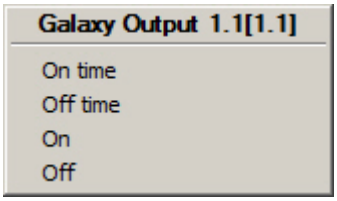
1. **Map**
2. **Event log**

Information on how to configure the **Map** and **Event log** interface objects is presented in the document titled Intellect Software package: Administrator's Guide.

Operation of the specified interface objects is described in detail in the document titled Intellect Software package: Operator's Guide.

Control the Honeywell Galaxy Dimension output

Control the *Honeywell Galaxy Dimension* output is carried out in the **Map** interactive window using the **Galaxy Output** object's menu.



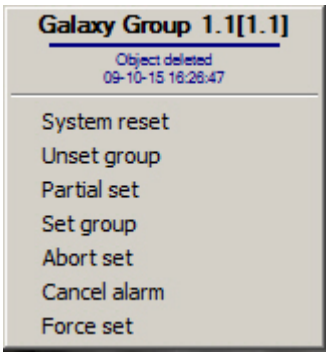
Description of the **Galaxy Output** object's menu commands is given in the table.

Command	Function
On time	Enable output for the specified time period
Off time	Disable output after the specified time period
On	Enable output

Off	Disable output

Control the Honeywell Galaxy Dimension group

Control the *Honeywell Galaxy Dimension* group is carried out in the **Map** interactive window using the **Galaxy Group** objec t's menu.

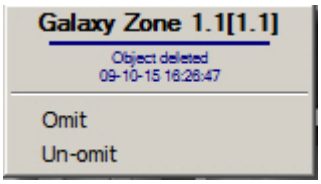


Description of the **Galaxy Group** object's menu commands is given in the table.

Command	Function
System reset	Reset all system alarms
Unset group	Disarm group
Partial set	Arm group with zones
Set group	Arm group
Abort set	Cancel arming
Cancel alarm	Reset alarm
Force set	Arm group under the force

Control the Honeywell Galaxy Dimension zone

Control the *Honeywell Galaxy Dimension* zone is carried out in the map interactive window using the **Galaxy Zone** object's menu.



Description of the **Galaxy Zone** object's menu commands is given in the table.

Command	Function
Omit	Disable possibility of arming and disarming
Un-omit	Enable possibility of arming and disarming