



NCG-9 Controller Integration Module Settings Guide

ACFA PSIM 1.1

Last update 05/06/2024

Table of Contents

1	List of terms used in NCG-9 Controller Integration Module Settings Guide.....	3
2	Introduction into NCG-9 Controller Integration Module Settings Guide	4
2.1	Purpose of the document.....	4
2.2	General information about the NCG-9 controller integration module	4
3	Supported hardware and licensing of the NCG-9 integration module.....	5
4	Configuration of the NCG-9 controller integration module.....	6
4.1	Configuration procedure for the NCG-9 controller integration module	6
4.2	Configuring the NCG-9 controller connection	6
4.3	Time synchronization of ACFA PSIM software package and NCG-9 controller	7
4.4	Configuring the NCG-9 input	8
4.5	Configuring the NCG-9 partition.....	10
4.6	Configuring the NCG-9 relay	11
5	Working with NCG-9 controller integration module	13
5.1	General information on the operation of the NCG-9 controller integration module	13
5.2	Controlling NCG-9 controller	13
5.3	Controlling NCG-9 relay	13

1 List of terms used in NCG-9 Controller Integration Module Settings Guide

Axxon PSIM server – a computer with the *Axxon PSIM server* configuration installed.

Controller – a device designed to control personnel entry/exit to limited-access areas, for reading and decoding the access card code, automatic badge registration in the ACS, and performance monitoring

2 Introduction into NCG-9 Controller Integration Module Settings Guide

On the page:

- Purpose of the document
- General information about the NCG-9 controller integration module

2.1 Purpose of the document

The *NCG-9 controller integration module settings guide* provides comprehensive setup and operational guidance for NCG-9 module operators.

This module is part of a *Fire Security Alarm (FSA)* built on the *ACFA PSIM Software System*.

This Guide presents the following materials:

1. general information about the *NCG-9 controller* module;
2. *NCG-9 controller* module settings;
3. working with the *NCG-9 controller* module.

2.2 General information about the NCG-9 controller integration module

The *NCG-9 controller* module is part of *ACS* subsystem built based on the *ACFA PSIM Software System*. It is designed to control *NCG-9 controller integration* module.

Note:

Detailed information about the *NCG-9 controller* can be found in the official documentation (manufacturer ANDY).

The *NCG-9 controller* is designed for getting the output signal of the current state of system and transferring them to the monitoring center in the real time via local or global network.

Before configuring the *NCG-9 controller* install the *NCG-9 controller* on the site and connect it to the *Axxon PSIM Server*.

3 Supported hardware and licensing of the NCG-9 integration module

Manufacturer	ANDY Complex "ANDY", Karlovska Shosse Blvd., 4003 Plovdiv, phone: 032/904 000 fax: 032/904 004 http://www.andi-bg.com/
Integration type	Low-level protocol
Equipment connection	IP

Supported equipment

Equipment	Function	Features
NCG-9	Controller	Inputs 8 Communication protocol TCP/IP
NCG-13	Controller	Inputs 13 Communication protocol TCP/IP

Protection

Parent object.

4 Configuration of the NCG-9 controller integration module

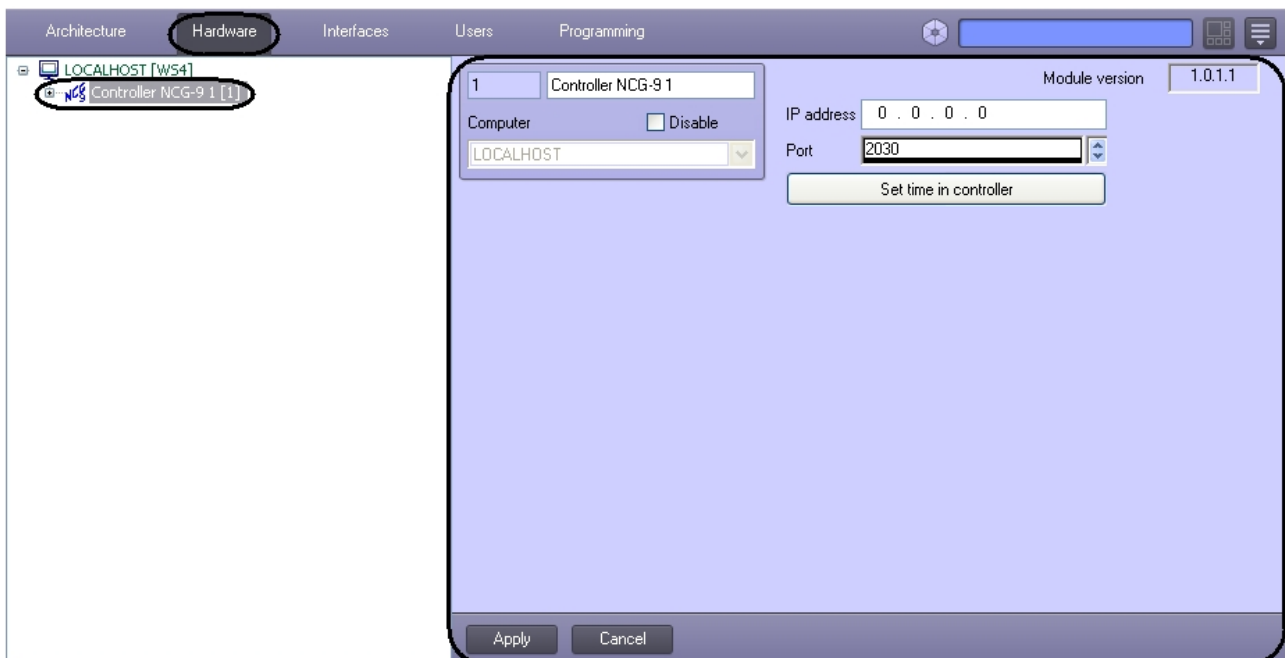
4.1 Configuration procedure for the NCG-9 controller integration module

The *NCG-9* controller integration module in the *ACFA PSIM* is configured as follows:

1. Configure the *NCG-9* controller connection;
2. Synchronize time of the *ACFA PSIM* software package and *NCG-9* controller;
3. Configure *NCG-9* inputs;
4. Configure *NCG-9* partitions;
5. Configure *NCG-9* relay.

4.2 Configuring the NCG-9 controller connection

To configure the *NCG-9* controller connection go to the **Controller NCG-9** object's settings panel. To create this object, go to the **System settings** dialog box, click the **Hardware** tab and select a parent **Computer** object.



To configure the *NCG-9* controller connection, do the following;

1. Go to the **Controller NCG-9** object's settings panel.

Note.

In the **Module version** field the version of the NCG-9 controller integration module is displayed (3).

2. Enter the IP-address of the *NCG-9* controller in the **IP-address** field (1).
3. Using up-down buttons enter the number of port to which the controller is connected in the **Port** field (2).
4. Click **Apply** to save changes (4).

Configuring of the *NCG-9* controller connection is completed.

4.3 Time synchronization of ACFA PSIM software package and NCG-9 controller

To synchronize time between the *ACFA PSIM* software package and *NCG-9* controller, do the following:

1. Go to the **Controller NCG-9** object's settings panel.

The screenshot shows the settings panel for 'Controller NCG-9'. The 'Computer' field is set to 'LOCALHOST'. The 'IP address' field is '0.0.0.0' and the 'Port' is '2030'. The 'Module version' is '1.0.1.1'. A 'Set time in controller' button is highlighted with a red circle and labeled '1'. At the bottom, the 'Apply' button is highlighted with a red circle and labeled '2'.

2. To synchronize time between the *ACFA PSIM* software package and *NCG-9* controller click the **Set time in controller** button (1).
3. Click **Apply** (2).

Time synchronization of the *ACFA PSIM* software package and *NCG-9* controller is completed.

4.4 Configuring the NCG-9 input

To configure the *NCG-9* input go to the **Input NCG-9** object's settings panel. To create this object, go to the **System settings** dialog box, click the **Hardware** tab and select a parent **Controller NCG-9** object.



To configure the *NCG-9* input, do the following:

1. Go to the **Input NCG-9** area object's settings panel.



2. From the **Address** drop-down list select the number of corresponding input (**1**).
3. Click **Apply** to save changes (**2**).

Configuring of the *NCG-9* input is completed.

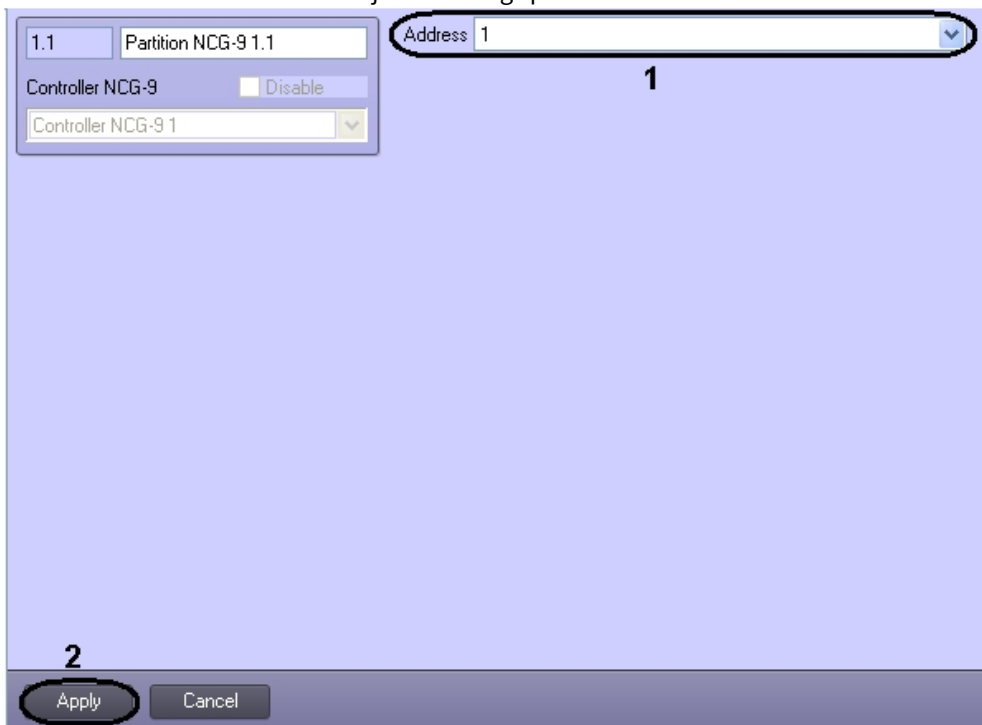
4.5 Configuring the NCG-9 partition

To configure the *NCG-9* partition go to the **Partition NCG-9** object's settings panel. To create this object, go to the **System settings** dialog box, click the **Hardware** tab and select a parent **Controller NCG-9** object.



To configure the *NCG-9* partition, do the following:

1. Go to the **Partition NCG-9** area object's settings panel.



2. From the **Address** drop-down list select the number of area from which events are to be received (**1**).
3. Click **Apply** to save changes (**2**).

Configuring of the *NCG-9* partition is completed.

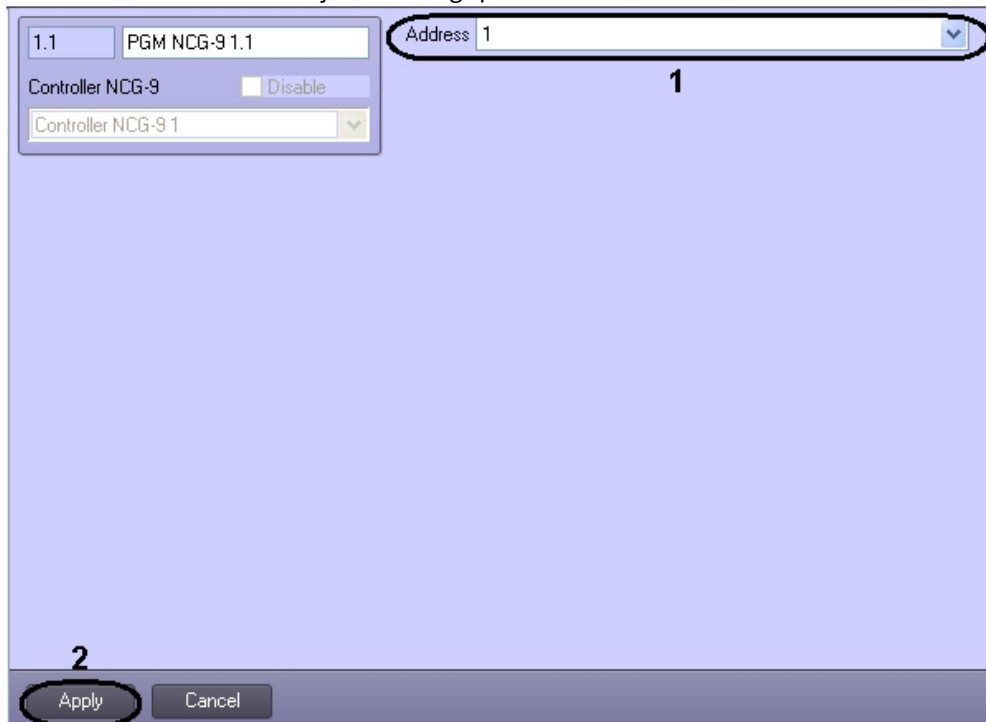
4.6 Configuring the NCG-9 relay

To configure the *NCG-9* relay go to the **PGM NCG-9** object's settings panel. To create this object, go to the **System settings** dialog box, click the **Hardware** tab and select a parent **Controller NCG-9** object.



To configure the *NCG-9* relay, do the following:

1. Go to the **PGM NCG-9** area object's settings panel.



2. From the **Address** drop-down list select the number of area from which events are to be received (**1**).
3. Click **Apply** to save changes (**2**).

Configuring of the *NCG-9* relay is completed.

5 Working with NCG-9 controller integration module

5.1 General information on the operation of the NCG-9 controller integration module

The following interface objects are used for working with *NCG-9 controller* integration module:

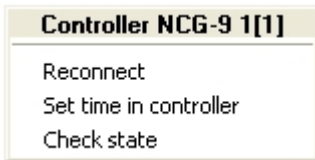
1. **Map.**
2. **Event Viewer.**

Information about **Map** and **Event Viewer** interface objects configuration is given in [Axxon PSIM Administrator's Guide](#).

Working with these interface objects is given in details in [Axxon PSIM Operator's Guide](#).

5.2 Controlling NCG-9 controller

Controlling *NCG-9 controller* is carried out in **Map** interactive box using feature menu of **Controller NCG-9** object.



Note.

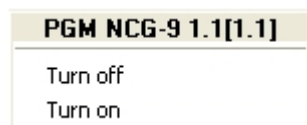
To open a functional menu of the object, click the right mouse button on this object.

Controlling *NCG-9 controller*:

Menu command	Description
Reconnect	Break the connection and establish it again
Set time in controller	Synchronize time between the <i>ACFA PSIM</i> software and controller
Check state	Check state of the controller

5.3 Controlling NCG-9 relay

Controlling *NCG-9 relay* is carried out in **Map** interactive box using feature menu of **PGM NCG-9** object.



Note.

To open a functional menu of the object, click the right mouse button on this object.

Controlling PGM NCG-9:

Menu command	Description
Turn off	Disable the NCG-9 relay
Turn on	Enable the NCG-9 relay