Guide for configuring and working with the Peridect+ (AxACFA) integration module

ACFA PSIM 1.1

Last update 23/01/2025

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1 Introduction into the Guide for configuring and working with the Peridect+ (AxACFA) integration module

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1.1 Purpose of the document

The *Guide for configuring and working with the Peridect+ (AxACFA) integration module* is a reference and information manual and is intended for configuration specialists and operators of the *Peridect+ (AxACFA)* module.

The Guide has the following information:

1. General information about the *Peridect+ (AxACFA)* integration module.
2. Configuring the *Peridect+ (AxACFA)* integration module.
3. Working with the *Peridect+ (AxACFA)* integration module.

1.2 General information about the Peridect+ (AxACFA) integration module

The *Peridect+ (AxACFA)* integration module is a part of *ACFA PSIM* and is used to monitor and control the *Peridect+* PID devices. You cannot configure the *Peridect+ (AxACFA)* integration module in *ACFA PSIM.*

Before you start working with the *Peridect+ (AxACFA)* integration module, you must install the hardware on the protected facility and perform the initial configuration of the *Peridect+* PID devices.

Note

For detailed information about the *Peridect+* PID, refer to the official reference documentation for this system (manufacturer is SIEZA).

2 Supported hardware and licensing of the Peridect+ (AxACFA) module

Manufacturer	SIEZA Address: Buštěhradská 109, Dubí, 272 03 Kladno, Czech Republic Website: https://www.sieza.com/en/company/ Email: sieza@sieza.com
Type of integration	SOFT-SOFT

Module licensing

Per one line detector.

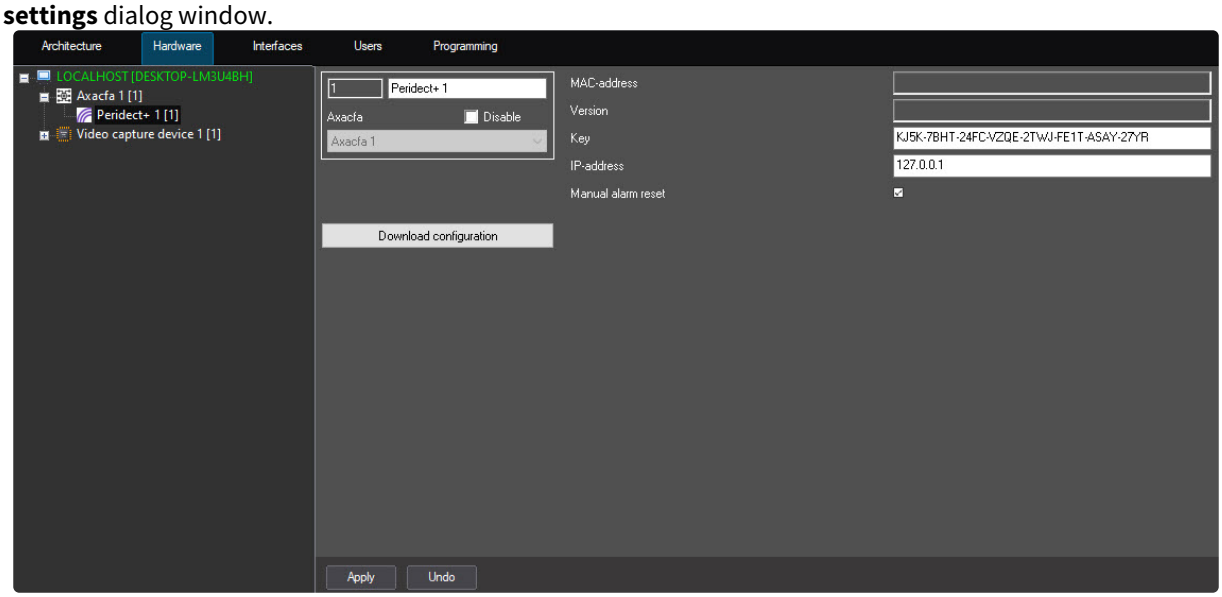
3 Configuring the Peridect+ (AxACFA) integration module

3.1 Configuring the Peridect+ (AxACFA) parent object

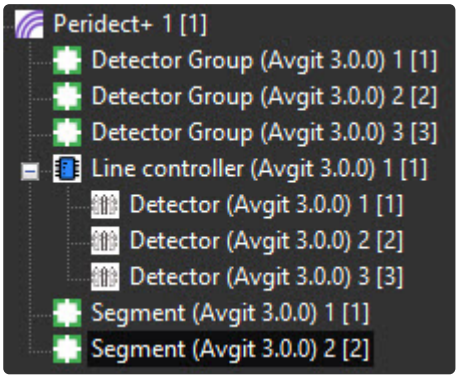
To work with the *Peridect+ (AxACFA)* integration module, you must install and configure the *AxACFA* feature. For more details, see Connecting and configuring the AxACFA feature.

To configure the *Peridect+ (AxACFA)* parent object, do the following:

1. Create the **Peridect+** parent object on the basis of the **Axacfa** object on the **Hardware** tab of the **System settings** dialog window.



2. In the **Key** field, enter the unique access key to connect to the *Peridect+* device. You can view the device in the settings of the web interface **Online Peridect+ configurator** (see the manufacturer's official documentation).
3. In the **IP address** field, enter the IP address of the *Peridect+* device.
4. The **Manual alarm reset** checkbox is set by default, so the alarm on the facility is active until it is disabled manually. If you clear the checkbox, the alarm is automatically disabled after the time interval set in the configuration of the manufacturer's software.
5. Click the **Apply** button to save the settings.
6. Click the **Download configuration** button to download the configuration and automatically build the hardware tree. A hardware tree will be built:



Configuration of the *Peridect+* (AxACFA) parent object is complete.

4 Working with the Peridect+ (AxACFA) integration module

4.1 General information about working with the Peridect+ (AxACFA) integration module

The following interface objects are used to work with the *Peridect+ (AxACFA)* integration module:

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

For the information on configuring these interface objects, see the *Axxon PSIM* Administrator's Guide.

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

4.2 Managing the Peridect+ (AxACFA) parent object

You can manage the *Peridect+* parent object in the **Map** interactive window using the function menu of the **Peridect+** object.

Commands to manage the *Peridect+* parent object are described in the table:

Function menu command	Function
Reboot	Reboot the *Peridect+* device
Switch to Active – Master	Control all outputs. External control isn't possible in this mode
Switch to Active – Combined/ Master	Control all system components according to the specified settings, control all outputs, and control all components with external commands
Synchronize time	Write the current server time to all *Peridect+* controllers
Switch to Active – Slave	Control all system components according to the specified settings. All components can only be controlled using external commands
Switch to Active – Combined/ Slave	Control all system components according to the specified settings and control all outputs. When an external command is received, the parent object of the *Peridect+* integration module switches to the **Switch to Active – Slave** mode. If after a certain time the reception of external commands stops, the parent object of the *Peridect+* integration module switches to the **Switch to Active – Master** mode. This mode allows the system to remain operational when the software is turned off

The *Peridect+* parent object can have the following states:

	Connection established

	Connection lost
	Unknown
	Active – Master
	Active – Slave
	Active – Combined/Master
	Active – Combined/Slave
	Service – Configuration
	Service – Storing data from LCP1
	Service – Storing data from LCP2
	Service – Logging input values and detector values
	Service – Logical links testing
	Invalid license

Attention!

Events that occurred after the connection to the *Peridect+* parent device was broken are not recorded to the device controller after the connection is restored.

4.3 Managing the Peridect+ (AxACFA) line controller

You cannot manage the *Peridect+* line controller in the **Map** interactive window.

The *Peridect+* line controller can have the following states:

	Power up
	Bus inactive

	Active
	Connection lost
	Error
	Master
	Slave
	Detector line break
	Unknown

4.4 Managing the Peridect+ (AxACFA) detector

You can manage the *Peridect+* detector in the **Map** interactive window using the function menu of the **Peridect+ Detector** object.

Commands to manage the *Peridect+* detector are described in the table:

Function menu command	**Function**
Arm	Arm a detector
Reset alarms	Handle alarms
Disarm	Disarm a detector

The *Peridect+* detector can have the following states:

	Active
	Normalized
	Pre-alarm
	Alarm (primary)
	Alarm (comparable)

	Unknown
	Detection bus error
	Armed
	Disarmed

4.5 Managing the Peridect+ (AxACFA) segment

Segment is an element of group control of *Peridect+* detectors.

You can manage the *Peridect+* segment in the **Map** interactive window using the function menu of the **Peridect+ Segment** object.

Commands to manage the *Peridect+* segment are described in the table:

Function menu command	**Function**
Arm	Arm a segment
Reset alarms	Handle alarms
Disarm	Disarm a segment

The *Peridect+* segment can have the following states:

	Normalized
	Pre-alarm
	Alarm (primary)
	Alarm (comparable)
	Unknown
	Armed
	Disarmed

4.6 Managing the Peridect+ (AxACFA) detector group

Detector group is an element of the group control of *Peridect+* detectors.

You can manage the *Peridect+* detector group in the **Map** interactive window using the function menu of the **Peridect+ Detector Group** object.

Commands to manage the *Peridect+* detector group are described in the table:

Function menu command	Function
Arm	Arm a detector group
Reset alarms	Handle alarms
Disarm	Disarm a detector group

The *Peridect+* detector group can have the following states:

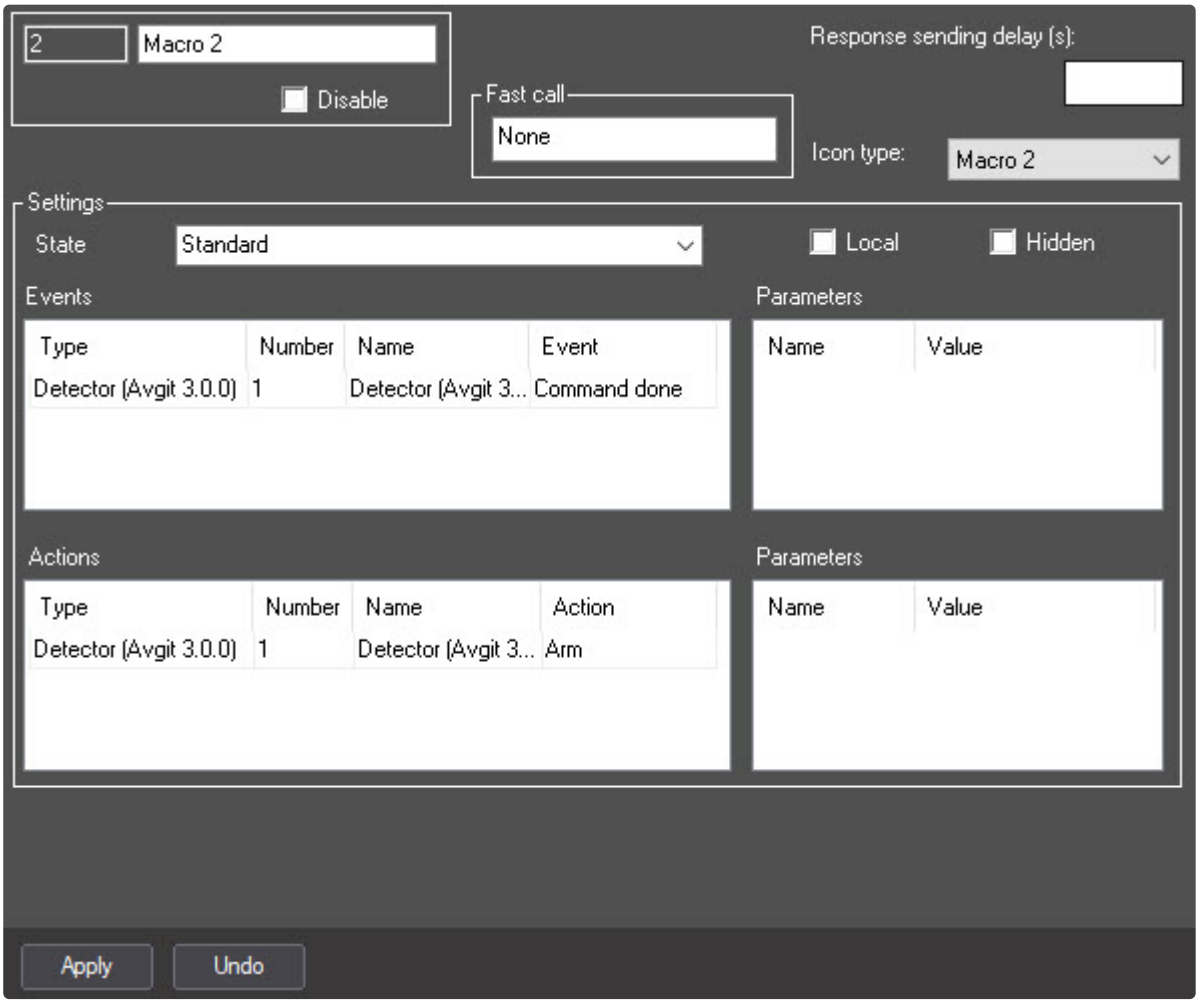
	Normalized
	Pre-alarm
	Alarm (primary)
	Alarm (comparable)
	Unknown
	Armed
	Disarmed

4.7 Example of a configured macro of the Peridect+ (AxACFA) integration module

Creating and using macros
Examples of macros

When working with the *Peridect+ (AxACFA)* integration module, you can configure a macro that will trigger when an event is received from a *Peridect+* device.

Example of a configured macro:


2
Macro 2
Disable
Fast call
None
Response sending delay (s):
Icon type:
Macro 2
Settings
State
Standard
Local
Hidden
Events
Type
Number
Name
Event
Detector (Avgit 3.0.0)
1
Detector (Avgit 3...
Command done
Parameters
Name
Value
Actions
Type
Number
Name
Action
Detector (Avgit 3.0.0)
1
Detector (Avgit 3...
Arm
Parameters
Name
Value
Apply
Undo