



**Guide for configuring and working with the AAM SYSTEMS
APACS integration module**

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1 Introduction into the Guide for configuring and working with the APACS integration module

On the page:

- [Purpose of the document](#)
- [General information about the APACS integration module](#)

1.1 Purpose of the document

The *Guide for configuring and working with the APACS integration module* is a reference and information manual and is intended for configuration specialists and operators of the **APACS** module. This module is a part of the access control system implemented on the basis of *Axxon One + ACFA*.

The Guide has the following information:

1. General information about the **APACS** integration module.
2. Adding the **APACS** integration module.
3. Configuring the **APACS** integration module.
4. Working with the **APACS** integration module.

1.2 General information about the APACS integration module

The **APACS** integration module is a part of the ACS implemented on the basis of *Axxon One + ACFA* and is used to perform the following functions:

1. Configuration of the **APACS** ACS (manufactured by APACS Systems). For detailed information about the **APACS** ACS, refer to the official reference documentation for this system.
2. Providing interaction of the **APACS** ACS with *Axxon One + ACFA* (monitoring, control).

Before you start working with the **APACS** integration module, do the following:

1. Install the **APACS** ACS hardware on the protected facility (see the official reference documentation).
2. Configure the **APACS** ACS in the manufacturer's software (see the official reference documentation).

3. Connect the **APACS** ACS to the *Axxon One + ACFA* server.

2 Supported hardware and licensing of the APACS integration module

Name of the integration module	AAM SYSTEMS: APACS																			
Integrated software, hardware	<p>APACS 3000 10.2.2 v.5 software</p> <table border="1" data-bbox="624 689 1423 1899"> <thead> <tr> <th data-bbox="624 689 884 779">Hardware</th> <th data-bbox="884 689 1423 779">Function</th> </tr> </thead> <tbody> <tr> <td data-bbox="624 779 884 869">AIM-1ELE5</td> <td data-bbox="884 779 1423 869">Interface module for elevator integration</td> </tr> <tr> <td data-bbox="624 869 884 1021">AAN-100, APN-35, AAM-8W, AAM-DC</td> <td data-bbox="884 869 1423 1021">ACS controller</td> </tr> <tr> <td data-bbox="624 1021 884 1173">AIO-16, AIO-168, AIO-8, APA-15, AP A-16, APD-16</td> <td data-bbox="884 1021 1423 1173">Security alarm panel</td> </tr> <tr> <td data-bbox="624 1173 884 1263">ASA-72</td> <td data-bbox="884 1173 1423 1263">Status display control panel</td> </tr> <tr> <td data-bbox="624 1263 884 1415">AIM-4SL, AIM-3SL, AIM-2SL, AIM-1SL, APN-35</td> <td data-bbox="884 1263 1423 1415">Controller for connecting readers</td> </tr> <tr> <td data-bbox="624 1415 884 1630">AAM-SDM, AAM-8W, AAM-2W, AAM-1W, AAM-SIO, AAM-IO-16</td> <td data-bbox="884 1415 1423 1630">OSDP module for secure control of one or two access points</td> </tr> <tr> <td data-bbox="624 1630 884 1747">AAM-K</td> <td data-bbox="884 1630 1423 1747">System for storing and handing out facility keys</td> </tr> <tr> <td data-bbox="624 1747 884 1899">AAM-TX</td> <td data-bbox="884 1747 1423 1899">Terminal for secure storage and handing out of items, automatic locker with hardware integration into ACS</td> </tr> </tbody> </table>		Hardware	Function	AIM-1ELE5	Interface module for elevator integration	AAN-100, APN-35, AAM-8W, AAM-DC	ACS controller	AIO-16, AIO-168, AIO-8, APA-15, AP A-16, APD-16	Security alarm panel	ASA-72	Status display control panel	AIM-4SL, AIM-3SL, AIM-2SL, AIM-1SL, APN-35	Controller for connecting readers	AAM-SDM, AAM-8W, AAM-2W, AAM-1W, AAM-SIO, AAM-IO-16	OSDP module for secure control of one or two access points	AAM-K	System for storing and handing out facility keys	AAM-TX	Terminal for secure storage and handing out of items, automatic locker with hardware integration into ACS
Hardware	Function																			
AIM-1ELE5	Interface module for elevator integration																			
AAN-100, APN-35, AAM-8W, AAM-DC	ACS controller																			
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ASA-72	Status display control panel																			
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AAM-K	System for storing and handing out facility keys																			
AAM-TX	Terminal for secure storage and handing out of items, automatic locker with hardware integration into ACS																			

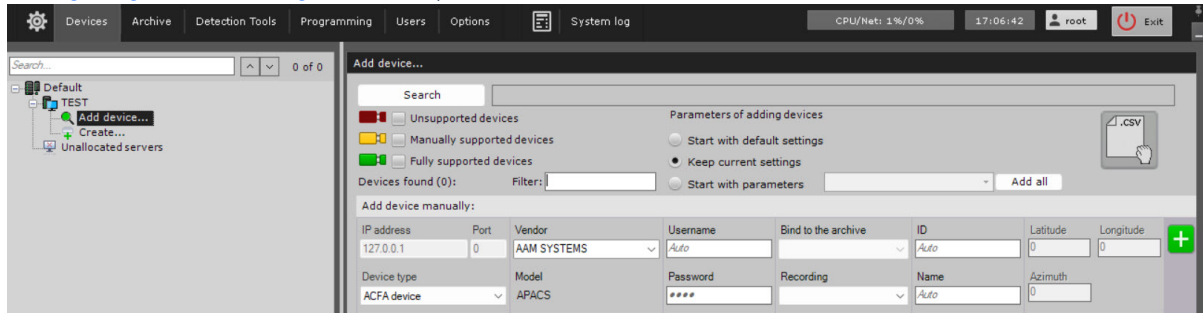
Functionality	Monitoring, control
Licensing	<p>Per:</p> <ul style="list-style-type: none"> • main controller communication sensor (ACFASensor); • security panel input (ACFASensor); • remote controller input (ACFASensor); • elevator reader OK (ACFARReader); • additional reader input OK (ACFASensor); • reader input OK (ACFASensor); • maskable input (ACFASensor); • access sensor (ACFASensor); • case tamper sensor (ACFASensor); • code tampering sensor (ACFASensor); • reader OK (ACFARReader); • remote controller input (ACFASensor); • ASA-72 control panel (ACFARReader); • AIM reader (ACFASensor); • AIM reader input (ACFASensor); • AIM reader input with tamper protection (ACFASensor); • AIM reader additional relay (ACFASensor); • APN reader (ACFASensor); • APN reader input (ACFASensor); • OSDP device (ACFARReader); • entry/exit (ACFASensor); • service entrance (ACFAFence); • reader (ACFASensor); • door hold-open sensor (ACFASensor); • door contact sensor (ACFASensor).
Manufacturer	<p>OOO Kompaniya AAM Systems</p> <p>Office address: Zavod Serp i Molot proezd, 10, office 1002a, 10th floor, metro Aviamotornaya, Moscow.</p> <p>Mailing address: OOO Kompaniya AAM Systems, Zavod Serp i Molot proezd, 10, office 1002a, 10th floor, 11250, Moscow, Russia.</p> <p>Legal address: Vn. ter. g. Municipalny okrug Lefortovo, Zavod Serp i Molot proezd, 10, pomes. 41N/9, 11250, Moscow.</p> <p>Phone: 8 (800) 222-4227 (toll free), +7 (495) 921-2227 (multichannel)</p> <p>Working hours: Mon-Thu—9 AM–6 PM, Fri—9 AM–5 PM, Sat-Sun—closed</p> <p>Website: www.aamsystems.ru</p> <p>Email: aam@aamsystems.ru</p>
Type of integration	SOFT-SOFT

Interface of hardware connection	Ethernet
ACFA version	9.0

3 Adding the APACS integration module

To add the **APACS** integration module to the system, do the following:

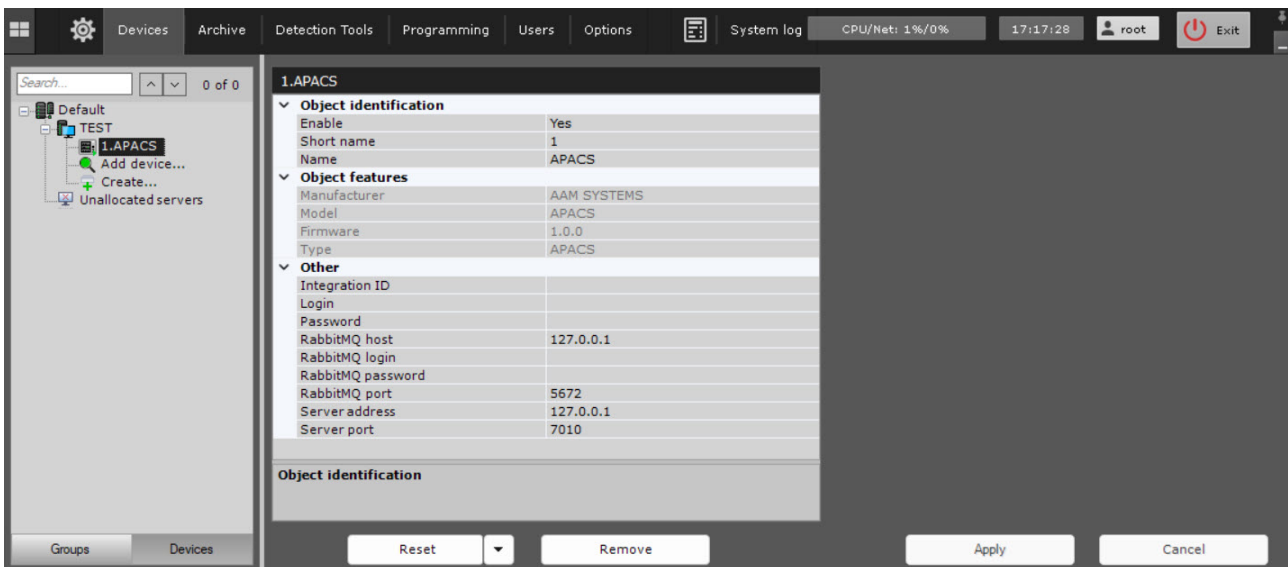
1. Add the device to the system manually using the IP Device Discovery Wizard (see [Searching, adding, configuring and removing IP devices](#)).



2. From the **Device type** drop-down list, select the **ACFA device**.
3. From the **Vendor** drop-down list, select **AAM SYSTEMS**. In the **Model** field, the **APACS** model is selected by default.

4. Click the  button.

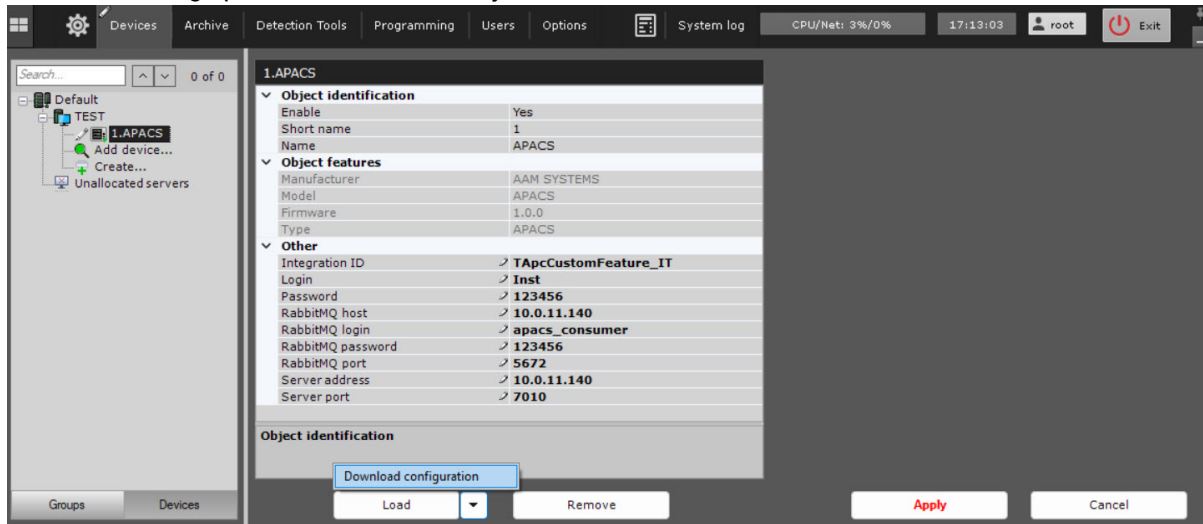
As a result, the **APACS** integration module is displayed in the device tree.



4 Configuring the object of the APACS integration module

To configure the object of the **APACS** integration module, do the following:

1. Go to the settings panel of the **APACS** object.




2. In the **Integration ID** field, enter the unique license ID.
3. In the **Login** field, enter the login of the APACS server user.
4. In the **Password** field, enter the password of the APACS server user, if the password was set during server installation.
5. In the **RabbitMQ host** field, enter the IP address of the RabbitMQ host.
6. In the **RabbitMQ login** field, enter the login of the RabbitMQ server user.
7. In the **RabbitMQ password** field, enter the password of the RabbitMQ user.
8. In the **RabbitMQ port** field, enter the port number for connecting to the RabbitMQ server. The default value is **5672**.
9. In the **Server address** field, enter the IP address of the APACS server.
10. In the **Server port** field, enter the port number for connecting to the APACS server. The default value is **7010**.

 **Attention!**

RabbitMQ serves as a transport for receiving events and alerts from the APACS server. The default guest account has a system restriction, allowing connections only with localhost (127.0.0.1). To ensure network integration, you must create a separate user with the appropriate access permissions (see [User management](#)).

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

12. To automatically download the configuration and build the device tree, click the  button and select **Download configuration** from the drop-down list.

13. Click the **Apply** button.

Configuration of the object of the **APACS** integration module is complete. As a result, a device tree is built:

5 Working with the APACS integration module

5.1 General information about working with the APACS integration module

The **Map**, **Equipment Board**, and **Macro** interface objects are used to work with the **APACS** integration module.

For the information on configuring these interface objects, see [Configuring the interactive map](#), [Configuring an Equipment Board](#), and [Programming](#).

For the information on working with these interface objects, see [Working with the interactive map](#), [Working with Equipment Board](#), and [Macros control](#).

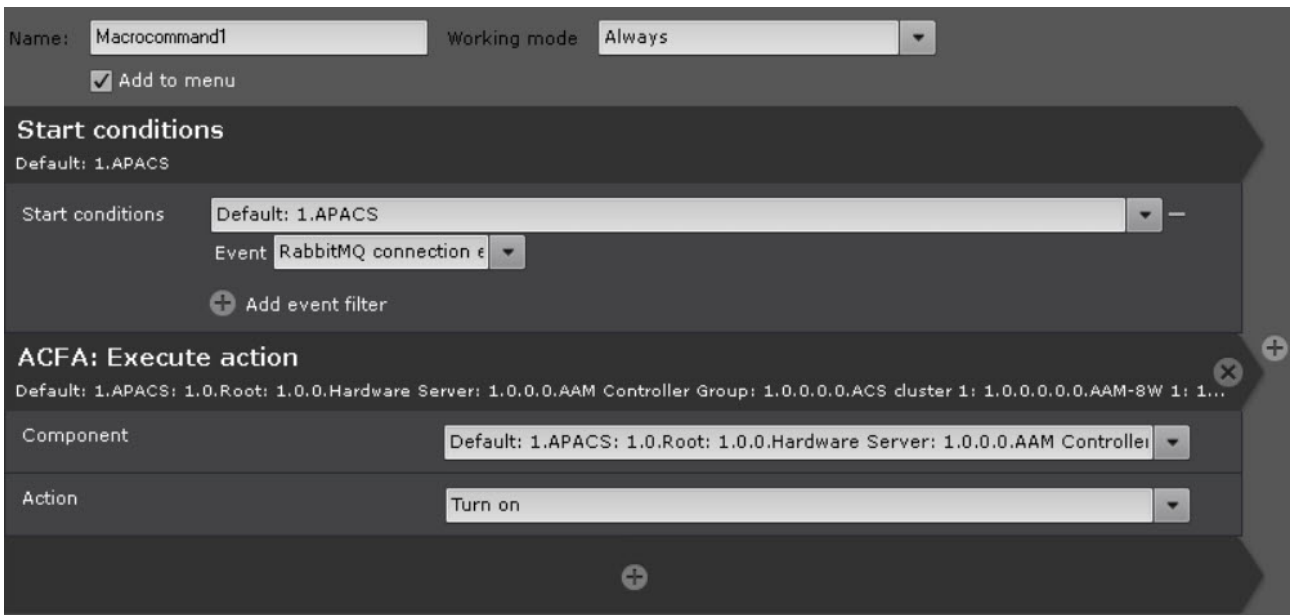
5.2 Configuring macros when working with the APACS integration module

- ✓ [Programming](#)
- [Macros control](#)

When working with the **APACS** integration module, you can configure a macro that will trigger when an event is received from **APACS**.

When configuring a macro, you must select a specific object of the **APACS** integration module.




Example of a configured macro:



5.3 Managing the object of the APACS integration module

You cannot manage the object of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.




The object of the **APACS** integration module can have the following states:

	Unknown
	Connected
	No connection

5.4 Managing the system root of the APACS integration module

You cannot manage the system root of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.




The **System root** object of the **APACS** integration module can have the following states:

	Unknown
	Connected
	No connection

5.5 Managing the hardware server of the APACS integration module

You cannot manage the hardware server of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.



The **Hardware server** object of the **APACS** integration module can have the following states:


	Unknown
	Connected
	No connection

5.6 Managing the network driver OK of the APACS integration module

You cannot manage the network driver OK of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Network driver OK** object of the **APACS** integration module can have the following states:

	Unknown
	Connected






	No connection
---	---------------

5.7 Managing the main controller of the APACS integration module

You can manage the main controller of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Main controller** object. To open the menu of the **Main controller** object, right-click the required object. Commands to manage the main controller of the **APACS** integration module are described in the table:

Menu command	Function
Reactivate	Returns the device to working condition
Refresh status	Updates the states of the child objects of the main controller

The **Main controller** object of the **APACS** integration module can have the following states:





	Active
	Connected
	Inactive
	Unknown
	No connection

5.8 Managing the analog security control panel of the APACS integration module

You can manage the analog security control panel of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Analog security control panel** object. To open the menu of the **Analog security control panel** object, right-click the required object. Command to manage the analog security control panel of the **APACS** integration module is described in the table:

Menu command	Function
Reactivate	Returns the device to working condition


The **Analog security control panel** object of the **APACS** integration module can have the following states:










	Connected
	Unknown
	No connection
	Deactivated


5.9 Managing the main controller communication sensor of the APACS integration module

You cannot manage the main controller communication sensor of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Main controller communication sensor** object of the **APACS** integration module can have the following states:

	Input grounded
---	----------------




	Input short circuit
	Ready to arm
	Armed
	Connected
	Not ready to arm
	Not configured
	Unknown
	Error
	Error ID device
	Error wrong response
	Error connection
	Communication gap
	Alarm

	Not maskable input alarm
---	--------------------------

5.10 Managing the AIO-16, AIO-168, AIO-8, APA-15, APA-16, and APD-16 security panels of the APACS integration module

You cannot manage the AIO-16, AIO-168, AIO-8, APA-15, APA-16, and APD-16 security panels of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **AIO-16 security panel**, **AIO-168 security panel**, **AIO-8 security panel**, **APA-15 security panel**, **APA-16 security panel**, and **APD-16 security panel** objects of the **APACS** integration module can have the following states:







	No connection
	Connected
	Unknown

5.11 Managing the security panel input of the APACS integration module

You cannot manage the security panel input of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Security panel input** object of the **APACS** integration module can have the following states:

	Input grounded
	Input short circuit
	Ready to arm

	Armed
	Connected
	Not ready to arm
	Not configured
	Unknown
	Error
	Error ID device
	Error wrong response
	Error connection
	Communication gap
	Alarm
	Not maskable input alarm

5.12 Managing the security panel relay of the APACS integration module

You cannot manage the security panel relay of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Security panel relay** object of the **APACS** integration module can have the following states:






	Alarm relay on
	Alarm relay off
	Locally linked to inputs
	Unknown

5.13 Managing the remote controller input and input OK of the APACS integration module

You cannot manage the Remote controller input and Input OK of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Remote controller input** and **Input OK** objects of the **APACS** integration module can have the following states:

	Input grounded
	Input short circuit
	Ready to arm





	Armed
	Connected
	Not ready to arm
	Not configured
	Unknown
	Error
	Error ID device
	Error wrong response
	Error connection
	Communication gap
	Alarm
	Not maskable input alarm

5.14 Managing the remote controller of the APACS integration module

You can manage the remote controller of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Remote controller** object. To open the menu of the **Remote controller** object, right-click the required object. Command to manage the remote controller of the **APACS** integration module is described in the table:

Menu command	Function
Reactivate	Returns the device to working condition

The **Remote controller** object of the **APACS** integration module can have the following states:

	Connected
	Unknown
	No connection
	Deactivated







5.15 Managing the elevator reader OK of the APACS integration module



You can manage the elevator reader OK of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Elevator reader OK** object. To open the menu of the **Elevator reader OK** object, right-click the required object. Commands to manage the elevator reader OK of the **APACS** integration module are described in the table:

Menu command	Function
Lock	Denies entry

Menu command	Function
Card and PIN	Allows entry with card and PIN code
Card or PIN	Allows entry with card or PIN code
Code organization	Allows entry using organization code
Open	Allows entry
Only card	Allows entry only with card
Pass cycle	Performs a pass cycle
Lock emulation	Emulates a digital lock
Set from configuration	Sets the mode from the preset configuration

The **Elevator reader OK** object of the **APACS** integration module can have the following states:

	Closed
	Card and PIN
	Organization code
	Unknown
	Open
	PIN or card






	Only card
	Digital card emulation



5.16 Managing the additional reader input OK of the APACS integration module

You can manage the additional reader input OK of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Additional reader input OK** object. To open the menu of the **Additional reader input OK** object, right-click the required object. Commands to manage the additional reader input OK of the **APACS** integration module are described in the table:

Menu command	Function
Arm	Arms the door
Disarm	Disarms the door
Set from configuration	Sets the mode from the preset configuration

The **Additional reader input OK** object of the **APACS** integration module can have the following states:

	Input grounded
	Input short circuit
	Ready to arm
	Armed
	Connected




	Not ready to arm
	Not configured
	Unknown
	Error
	Error ID device
	Error wrong response
	Error connection
	Communication gap
	Alarm
	Not maskable input alarm

5.17 Managing the additional reader relay OK of the APACS integration module

You can manage the additional reader relay OK of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Additional reader relay OK** object. To open the menu of the **Additional reader relay OK** object, right-click the required object. Commands to manage the additional reader relay OK of the **APACS** integration module are described in the table:

Menu command	Function
Relay on	Enables the relay
Relay off	Disables the relay
Pulse	Provides a short-term pulse to the relay
Set from configuration	Sets the mode from the preset configuration




The **Additional reader relay OK** object of the **APACS** integration module can have the following states:







	Unknown
	Power on
	Power off

5.18 Managing the reader input OK of the APACS integration module

You cannot manage the reader input OK of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Reader input OK** object of the **APACS** integration module can have the following states:

	Input grounded
	Input short circuit
	Ready to arm

	Armed
	Connected
	Not ready to arm
	Not configured
	Unknown
	Error
	Error ID device
	Error wrong response
	Error connection
	Communication gap
	Alarm
	Not maskable input alarm








5.19 Managing the maskable input of the APACS integration module

You can manage the maskable input of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Maskable input** object. To open the menu of the **Maskable input** object, right-click the required object. Commands to manage the maskable input of the **APACS** integration module are described in the table:

Menu command	Function
Arm	Arms the door
Disarm	Disarms the door
Set from configuration	Sets the mode from the preset configuration

The **Maskable input** object of the **APACS** integration module can have the following states:




	Input grounded
	Input short circuit
	Ready to arm
	Armed
	Connected
	Not ready to arm
	Not configured

	Unknown
	Error
	Error ID device
	Error wrong response
	Error connection
	Communication gap
	Alarm
	Not maskable input alarm

5.20 Managing the access sensor of the APACS integration module

You cannot manage the access sensor of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.




The **Access sensor** object of the **APACS** integration module can have the following states:






	Unknown
	Connected
	No connection

5.21 Managing the case tamper sensor of the APACS integration module

You cannot manage the case tamper sensor of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Case tamper sensor** object of the **APACS** integration module can have the following states:




	Input grounded
	Input short circuit
	Ready to arm
	Armed
	Connected
	Not ready to arm
	Not configured
	Unknown
	Error
	Error ID device

	Error wrong response
	Error connection
	Communication gap
	Alarm
	Not maskable input alarm

5.22 Managing the code tampering sensor of the APACS integration module

You cannot manage the code tampering sensor of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Code tampering sensor** object of the **APACS** integration module can have the following states:





	Unknown
	Connected
	No connection

5.23 Managing the AIM-1ELE5 remote controller, ASA-72 remote controller, and reader remote controller of the APACS integration module

You can manage the AIM-1ELE5 remote controller, ASA-72 remote controller, and reader remote controller of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **AIM-1ELE5 remote controller**, **ASA-72 remote controller**, and **Reader remote controller** objects. To open the menu of the **AIM-1ELE5 remote controller**, **ASA-72 remote controller**, and **Reader remote controller** objects, right-click the required objects. Commands to manage the AIM-1ELE5 remote controller, ASA-72 remote controller, and reader remote controller of the **APACS** integration module are described in the table:

Menu command	Function
Reactivate	Returns the device to working condition

The **AIM-1ELE5 remote controller**, **ASA-72 remote controller**, and **Reader remote controller** objects of the **APACS** integration module can have the following states:

	Connected
	Unknown
	No connection
	Deactivated

5.24 Managing the ASA-72 status panel of the APACS integration module

You cannot manage the ASA-72 status panel of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.



The **ASA-72 status panel** object of the **APACS** integration module can have the following states:

	Unknown
	Connected
	No connection

5.25 Managing the ASA-72 status light of the APACS integration module

You cannot manage the ASA-72 status light of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **ASA-72 status light** object of the **APACS** integration module can have the following states:



	Unknown
	Connected
	No connection

5.26 Managing the MK network driver of the APACS integration module

You cannot manage the MK network driver of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **MK network driver** object of the **APACS** integration module can have the following states:

	Unknown
---	---------






	Connected
	No connection

5.27 Managing the AIM controller of the APACS integration module

You can manage the AIM controller of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **AIM controller** object. To open the menu of the **AIM controller** object, right-click the required objects. Command to manage the AIM controller of the **APACS** integration module is described in the table:

Menu command	Function
Reactivate	Returns the device to working condition








The **AIM controller** object of the **APACS** integration module can have the following states:

	Connected
	No connection
	Unknown
	Active
	Inactive

5.28 Managing the AIM reader and APN reader of the APACS integration module

You cannot manage the AIM reader and APN reader of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.










The **AIM reader** and **APN reader** objects of the **APACS** integration module can have the following states:

	Closed
	Card and PIN
	Organization code
	Unknown
	Open
	PIN or card
	Only card

5.29 Managing the AIM reader input, AIM reader input with tamper protection, APN reader input of the APACS integration module

You cannot manage the AIM reader input, AIM reader input with tamper protection, and APN reader input of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.


The **AIM reader input**, **AIM reader input with tamper protection**, and **APN reader input** objects of the **APACS** integration module can have the following states:



	Ready to arm
	Short circuit to ground
	Short circuit
	Armed
	Not ready to arm
	Unknown
	Gap
	Input error
	Alarm

5.30 Managing the AIM reader additional relay of the APACS integration module

You cannot manage the AIM reader additional relay of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **AIM reader additional relay** object of the **APACS** integration module can have the following states:

	Unknown
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	Power on
	Power off

5.31 Managing the APN controller of the APACS integration module

You can manage the APN controller of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **APN controller** object. To open the menu of the **APN controller** object, right-click the required object. Command to manage the APN controller of the **APACS** integration module is described in the table:

Menu command	Function
Reactivate	Returns the device to working condition

The **APN controller** object of the **APACS** integration module can have the following states:

	Connected
	Unknown
	No connection
	Deactivated




5.32 Managing the controller group and ACS cluster of the APACS integration module

You can manage the controller group and ACS cluster of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Controller group** and **ACS cluster** objects. To open the menu of the **Controller group** and **ACS cluster** objects, right-click the required

objects. Command to manage the controller group and ACS cluster of the **APACS** integration module is described in the table:

Menu command	Function
Reactivate	Returns the device to working condition

The **Controller group** and **ACS cluster** objects of the **APACS** integration module can have the following states:







	Connected
	Unknown
	No connection

5.33 Managing the master controller and slave controller of the APACS integration module

You can manage the master controller and slave controller of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Master controller** and **Slave controller** objects. To open the menu of the **Master controller** and **Slave controller** objects, right-click the required objects. Commands to manage the master controller and slave controller of the **APACS** integration module are described in the table:

Menu command	Function
Get time	Displays the current time of the device
Reset alarm	Resets alarms from all child devices
Reset internal alarm	Resets the alarm from the internal sensor






The **Master controller** and **Slave controller** objects of the **APACS** integration module can have the following states:

	Connected
	No connection
	Inactive
	License error
	Driver manager no connection
	Unknown

5.34 Managing the OSDP device of the APACS integration module

You cannot manage the OSDP device of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **OSDP device** object of the **APACS** integration module can have the following states:


	No connection
	Connected
	Active
	Inactive
	Unknown





5.35 Managing the entry/exit of the APACS integration module

You can manage the entry/exit of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Entry/Exit** object. To open the menu of the **Entry/Exit** object, right-click the required object. Commands to manage the entry/exit of the **APACS** integration module are described in the table:

Menu command	Function
Connect	Enables the entry/exit
Disconnect	Disables the entry/exit
Arm	Arms the entry/exit
Disarm	Disarms the entry/exit
Reset alarm	Returns the device to the Arm mode

The **Entry/Exit** object of the **APACS** integration module can have the following states:

	Armed
	Alarm
	Not ready to arm
	Ready to arm
	Fire alarm
	Busy





	Disabled
	Connection error
	Malfunction
	Unknown

5.36 Managing the relay of the APACS integration module

You can manage the relay of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Relay** object. To open the menu of the **Relay** object, right-click the required object. Commands to manage the relay of the **APACS** integration module are described in the table:

Menu command	Function
Relay on	Enables the relay
Relay off	Disables the relay

The **Relay** object of the **APACS** integration module can have the following states:






	Power on
	Power off
	Busy
	Unknown

5.37 Managing the service entrance of the APACS integration module

You can manage the service entrance of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Service entrance** object. To open the menu of the **Service entrance** object, right-click the required object. Commands to manage the service entrance of the **APACS** integration module are described in the table:

Menu command	Function
Relay on	Enables the relay
Relay off	Disables the relay

The **Service entrance** object of the **APACS** integration module can have the following states:






	Closed
	Open
	Door break-in alarm
	Closing time alarm
	Unknown

5.38 Managing the door of the APACS integration module

You can manage the door of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Door** object. To open the menu of the **Door** object, right-click the required object. Commands to manage the door of the **APACS** integration module are described in the table:

Menu command	Function
Door block	Blocks the door
Door fix open	Disables door block
Door release	Sets the door to the preset access mode
Door pass	Simulates a door pass cycle


The **Door** object of the **APACS** integration module can have the following states:

	Normal mode
	Door locked
	Door unlocked
	Connection error
	Unknown

5.39 Managing the door hold-open sensor of the APACS integration module

You cannot manage the door hold-open sensor of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Door hold-open sensor** object of the **APACS** integration module can have the following states:




	Reset alarm
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	Alarm
	Not used
	Unknown

5.40 Managing the door contact sensor of the APACS integration module

You cannot manage the door contact sensor of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.


The **Door contact sensor** object of the **APACS** integration module can have the following states:




	Closed
	Open
	Not used
	Unknown

5.41 Managing the lock of the APACS integration module

You cannot manage the lock of the **APACS** integration module in the **Map** and **Equipment Board** interface objects.

The **Lock** object of the **APACS** integration module can have the following states:

	Unlocked
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	Locked
	Not used
	Unknown





5.42 Managing the security terminal of the APACS integration module

You can manage the security terminal of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Security terminal** object. To open the menu of the **Security terminal** object, right-click the required object. Commands to manage the security terminal of the **APACS** integration module are described in the table:

Menu command	Function
Reset alarm	Resets the alarm mode of the devices
Reset internal alarm	Resets the alarm mode of the internal sensor
Reactivate terminal	Returns the device to working condition
Get time	Displays the current time of the device
Restart	Restarts the device

The **Security terminal** object of the **APACS** integration module can have the following states:

	No connection
	Connected

	Inactive
	License error
	Driver manager no connection
	Unknown

5.43 Managing the security zone of the APACS integration module

You can manage the security zone of the **APACS** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Security zone** object. To open the menu of the **Security zone** object, right-click the required object. Commands to manage the security zone of the **APACS** integration module are described in the table:

Menu command	Function
Refresh status	Updates the status of all devices in the zone
Arm	Arms all devices in the zone
Disarm	Disarms all devices in the zone
Reset alarm	Resets the alarm mode from all devices in the zone

The **Security zone** object doesn't have any states.