



Honeywell Esser Integration Module Setup and User Guide

ACFA PSIM 1.1

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1 Introduction into Honeywell Esser Integration Module Setup and User Guide

On the page:

- [Purpose and Structure of the Guide](#)
- [General information about the Honeywell Esser integration module](#)

1.1 Purpose and Structure of the Guide

The *Honeywell Esser Module Settings Guide* is a reference and information guide meant for *Honeywell Esser* configuration specialists. This module is a part of the fire and security alarm subsystem implemented with the *ACFA PSIM software package*.

This Guide presents the following materials:

1. General information about the *Honeywell Esser* integration module;
2. Configuration of the *Honeywell Esser* integration module;
3. Working with the *Honeywell Esser* integration module.

1.2 General information about the Honeywell Esser integration module

The *Honeywell Esser* integration module is the FSA component carried out on the base of *ACFA PSIM*. It is meant for controlling and managing the *Esser* devices. The *Esser* FSA devices configuring in *ACFA PSIM* is impossible.

Before start the working of the *Honeywell Esser* integration module install the hardware on the secured site and configure the system in the vendor's software. The *Esser* system must be equipped with the SEI2 module.

Note.

For more information about the *Honeywell Esser* FSA please refer to the official documentation for this system (manufacturer: Honeywell).

2 Hardware compatibility and licensing of the Honeywell Esser module

Manufacturer	Esser by Honeywell https://www.esser-systems.com/en/index/
Integration type	SDK
Hardware connections	RS232 to Essernet network by SEI module

Supported equipment

Equipment
FlexES
IQ8Control

Protection

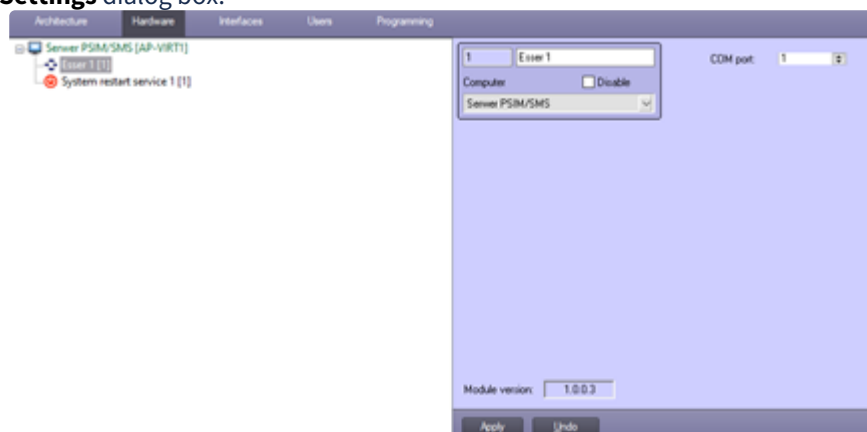
Per 1 panel.

3 Configuring Honeywell Esser integration module

3.1 Connecting the Honeywell Esser FSA to the ACFA PSIM

The *Honeywell Esser* FSA is connected to *ACFA PSIM* as follows:

1. Create the **Esser** object on the basis of the **Computer** object on the **Hardware** tab of the **System Settings** dialog box.



Note

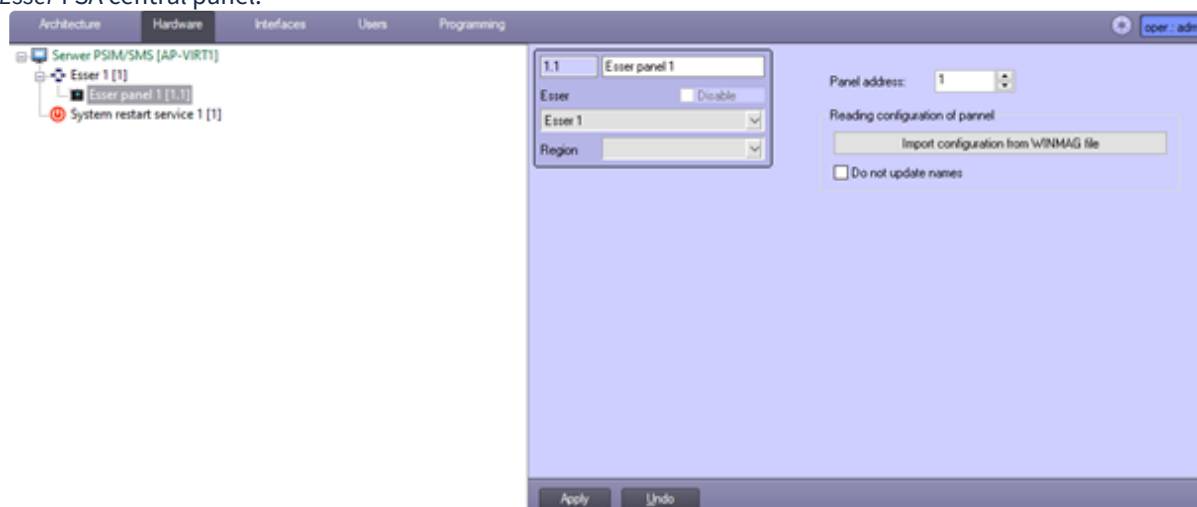
One **Esser** object corresponds to one connection to the Esser NET network.

2. In the **COM port** field specify the COM port number which is connected to the SEI2 module.

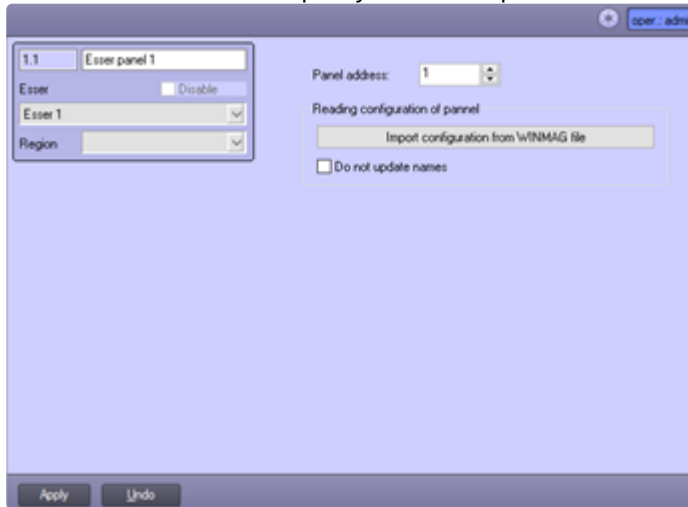
3.2 Importing Honeywell Esser configuration

Importing *Honeywell Esser* configuration as follows:

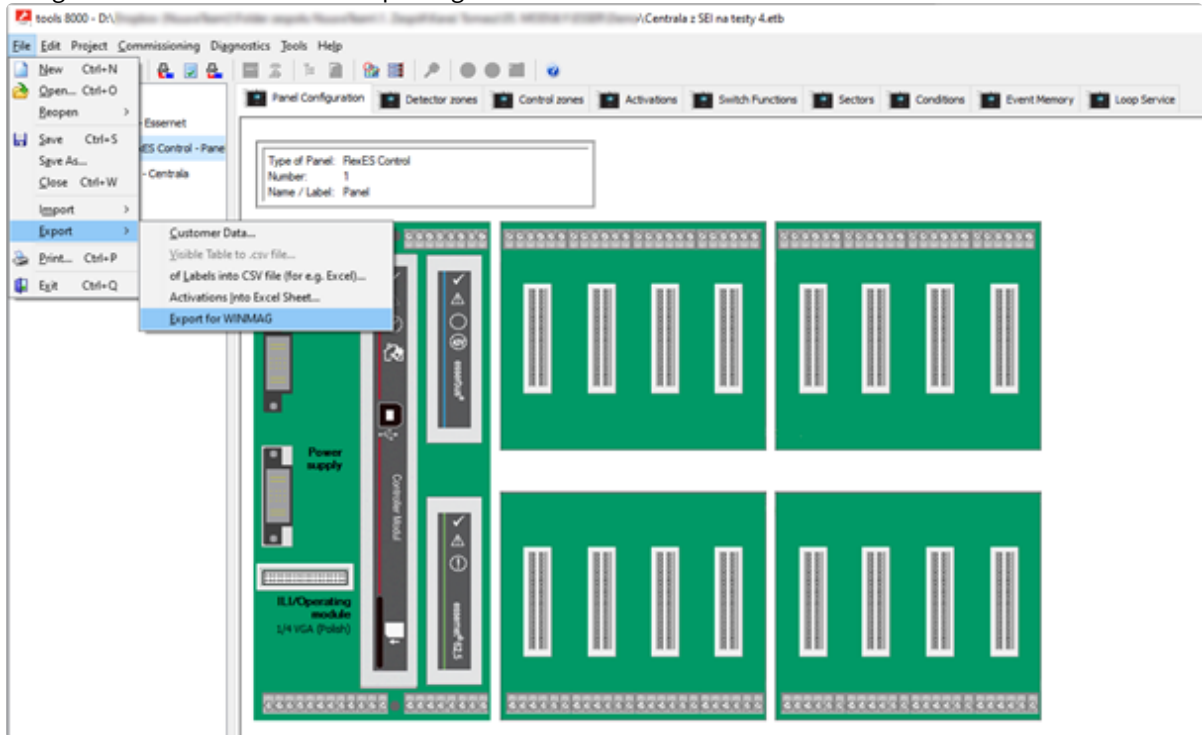
1. Create the **Esser Panel** object on the basis of the **Esser** object. The **Esser Panel** object corresponds to an *Esser* FSA central panel.



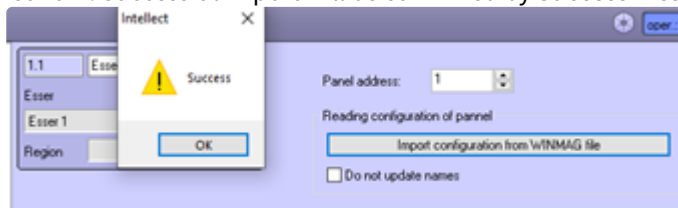
2. In the **Panel address** field specify the correct panel address number.



3. Click the **Import configuration from WINMAG file** button to open a window and specify the device configuration file. Procedure for exporting to WINMAG file as follows:

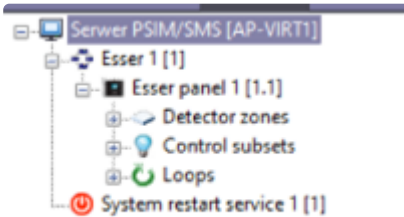


- a. Export should be done for each integrated control panel, even if they work together in the EsserNET network. Successful import will be confirmed by **Success** message.



- b. Set the **Do not update names** checkbox to allow elements to be imported from a WINMAG file without changing their names in Axxon PSIM.

After a successful configuration import, elements connected to the panel will appear in the device tree.

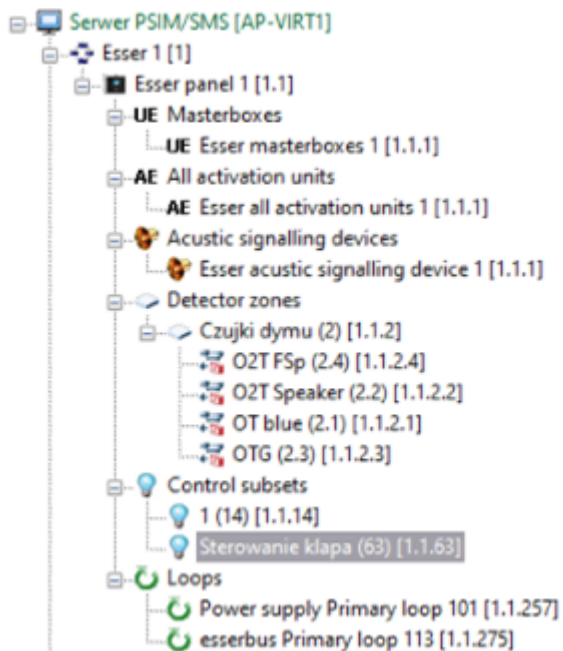


The following items from the Esser Fire System are available: **Esser Point of Detection, Esser Master Loop, Esser Detection Zone, Esser Control Subnet, Esser Sounder, Esser All Activation Units, Esser Master Boxes.**

Esser Panel (control panel) is created under the main **Esser** object representing EsserNet.

Esser primary loop, Esser detector zone, Esser control subnet, Esser acoustic signalling device, Esser all activation units, Esser Masterboxes are created under the **Esser Panel** object.

The Esser detector point is created under the **Esser detector zone** object.



4 Working with the Honeywell Esser integration module

4.1 General information about working with the Honeywell Esser integration module

The following interface objects are used for *Honeywell Esser* integration module operation:

1. **Map.**
2. **Event viewer.**

For a detailed description of configuring these interface objects, refer to the [Axxon PSIM Administrator's Guide](#).

For a detailed description of using these interface objects, refer to the [Axxon PSIM Operator's Guide](#).

4.2 Managing the Esser object



The *Esser* object is managed in the **Map** interactive window using the **Esser** object functional menu:



The *Esser* object functional menu commands description is given in the table:

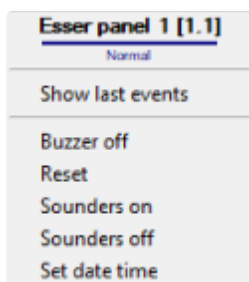
Menu command	Function performed
Reset all fires	Reset on all control panels in the EsserNet network.

The *Esser* object can have the following states:

	Link set
	Link lost

4.3 Managing the Esser panel




The *Esser panel* is managed in the **Map** interactive window using the **Esser panel** object functional menu:























The *Esser panel* object functional menu commands description is given in the table:

Menu command	Function performed
Buzzer off	Switching off the buzzer of the panel
Reset	Perform a reset of the control panel - corresponds to pressing the reset on the front panel of the device
Sounders on	Turning on the sound signaling devices
Sounders off	Turning off the sound signaling devices
Set date time	The time of the control panel will be set according to the Axxon PSIM server time

The *Esser panel* can have the following states:

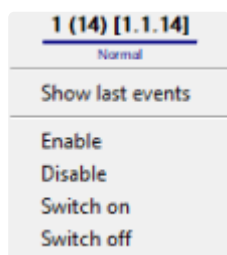
	Normal
	CPU failure
	Delay on

		<p>Delay time running</p>
		<p>Verification time running</p>
		<p>Panel reset active</p>
		<p>Accu fault/Power fault/Earth fault/ Power supply fault/ Printer fault/ Module selftest fault</p>
		<p>Cover contact open</p>
		<p>Link lost</p>
		<p>Sounders off</p>

		Fire
		Revision started
		Child disabled

4.4 Managing the Esser Control Subset















The *Esser Control Subset* is managed in the **Map** interactive window using the **Esser Control Subset** object functional menu:



The *Esser Control Subset* object functional menu commands description is given in the table:

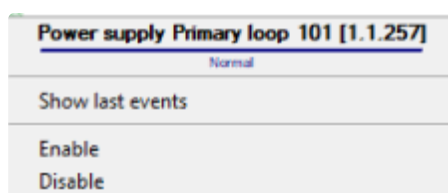
Menu command	Function performed
Enable	Turned on
Disable	Turned off
Switch on	Active state
Switch off	Inactive state

The *Esser Control Subset* can have the following states:

		Normal
		Fault
		Disabled
		Activation
		Blocking
		Test mode
		Link lost

4.5 Managing the Esser primary loop








The *Esser primary loop* is managed in the **Map** interactive window using the **Esser primary loop** object functional menu:



The *Esser primary loop* object functional menu commands description is given in the table:

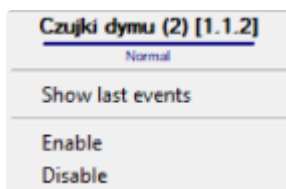
Menu command	Function performed
Enable	Turned on
Disable	Turned off

The *Esser primary loop* can have the following states:

	Normal
	Fire
	Fault
	Disabled
	Startup phase
	Detector change
	Link lost

4.6 Managing the Esser detector zone

The *Esser detector zone* is managed in the **Map** interactive window using the **Esser detector zone** object functional menu:

















The *Esser detector zone* object functional menu commands description is given in the table:

Menu command	Function performed
Enable	Turned on

Menu command	Function performed
Disable	Turned off

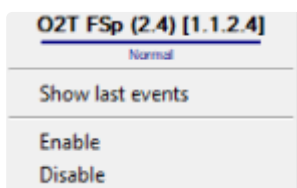
The *Esser detector zone* can have the following states:

	Normal
	Fire
	Technical alarm
	Active
	Prealarm
	Alarm verification
	Second zone dependency
	Second detector dependency
	Fault
	Disabled

	Test mode
	Test alarm
	Test fault
	Link lost

4.7 Managing the Esser detector point

The *Esser detector point* is managed in the **Map** interactive window using the **Esser detector point** object functional menu:



















































































The *Esser detector point* object functional menu commands description is given in the table:

Menu command	Function performed
Enable	Turned on
Disable	Turned off

The *Esser detector point* can have the following states:

Optical detector	Temperature detector	MCP	Module	Signaller	Flap	Input	Bulb	Power supply	Valve	State
										Normal

										Fire
										Technical alarm
										Active
										Prealarm
										Fault
										Disabled
										Link lost
										Root zone disabled