



# Intellect

Optex Integration Module Setup and User  
Guide

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# List of Terms Used in Optex Integration Module Setup and User Guide

*Intellect* Server: a computer that has the **Server** installation version of the *Intellect* software package installed.

Perimeter security system (PPS): a software and hardware suite designed for controlling perimeter intrusions.

REDSCAN RLS-3060 – an outdoor laser scan detector (sensor) that can detect a moving object's size, speed, and distance from the detector, with high precision.

## Introduction into Optex Integration Module Setup and User Guide

### On the page:

- [Purpose and Structure of the Guide](#)
- [General Information on the Optex Software Module](#)

### Purpose and Structure of the Guide

The *Setup and User Guide for the Optex Integration Module* is a reference guide for users of the *Optex* software module, which is part of the perimeter security system based on the *ACFA Intellect* software package.

This Guide contains:

1. information on the purpose of *ACFA Intellect* 's perimeter security system;
2. general information on the *Optex* software module;
3. guidance on how to configure the *Optex* software module;
4. guidance on how to use the *Optex* software module.

### General Information on the Optex Software Module

The *Optex* module is a component of *ACFA Intellect* 's perimeter security system. This module is used for ensuring interaction between *ACFA Intellect* and the *Optex* perimeter security system (manufactured by OPTEX).



#### Note:

The detailed information on the *Optex* perimeter security system can be found in the vendor documentation.

Currently, *ACFA Intellect* supports the integration of Redwall Redscan RLS-3060 detectors (sensors).

Before configuring the *Optex* software module:

1. Install the *Optex PPS* hardware at the secure facility.
2. Connect *Optex* to the Server

## Configuring the Optex Integration Module

### Steps to Configure the Optex Integration Module

To configure the *Optex* integration module:

1. [Activate the \*Optex\* integration module.](#)
2. [Configure connection to the Server.](#)
3. [Select an alarm processing mode.](#)
4. [Configure detection areas of the \*Optex\* sensors.](#)

### Activating the Optex Integration Module

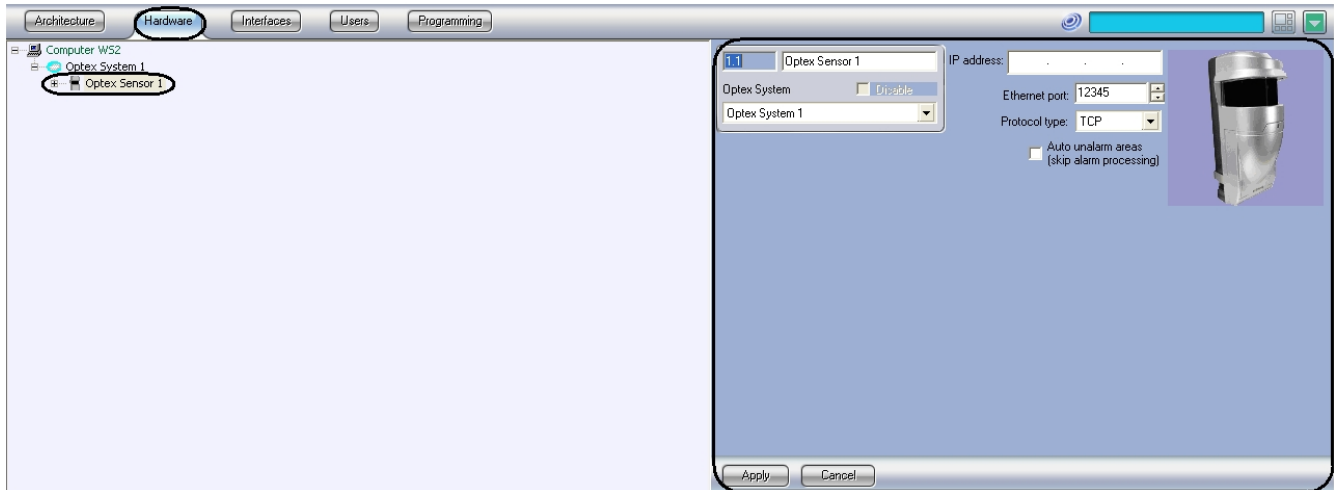
To activate the *Optex* integration module, create an **Optex System** object: go to the **Settings** dialog box, click the **Hardware** tab, and select the parent **Computer** object.



The *Optex* integration module is now activated.

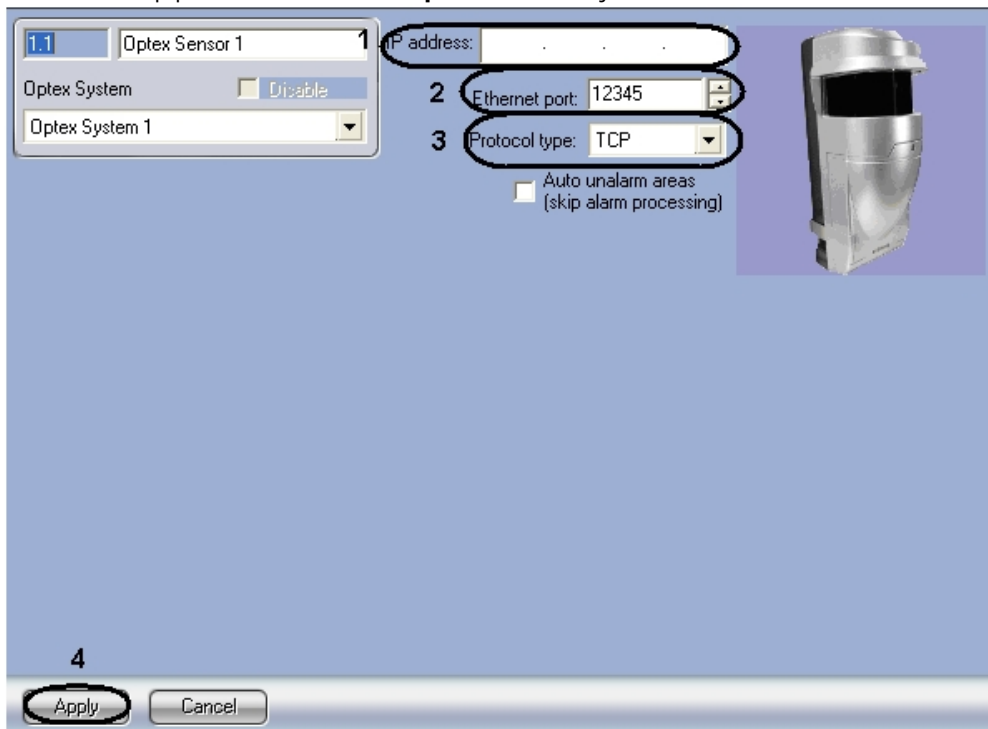
## Configuring *Optex's* connection to the Server

To configure *Optex's* connection, use the setup panel of the relevant **Optex Sensor** object. To find this object, go to the **Settings** dialog box, click the **Hardware** tab, and browse the object tree of the relevant **Computer** object.



To configure *Optex's* connection to the Server:

1. Go to the setup panel of the relevant **Optex Sensor** object.



2. In the **IP address** field, enter the sensor's IP address (**1**).

**Note:** This IP address can be found in the vendor documentation.

3. In the **Ethernet port** field, enter the sensor's communication port (**2**).

**Note:** By default, 1234 is used.

4. In the **Protocol type** drop-down list, select the communication protocol to be used to talk to the sensor (**TCP** or **UDP**) (3).
5. Click **Apply** to save the changes (4).

Optex's connection to the Server is now configured.

## Selecting the Alarm Processing Method For an Optex sensor

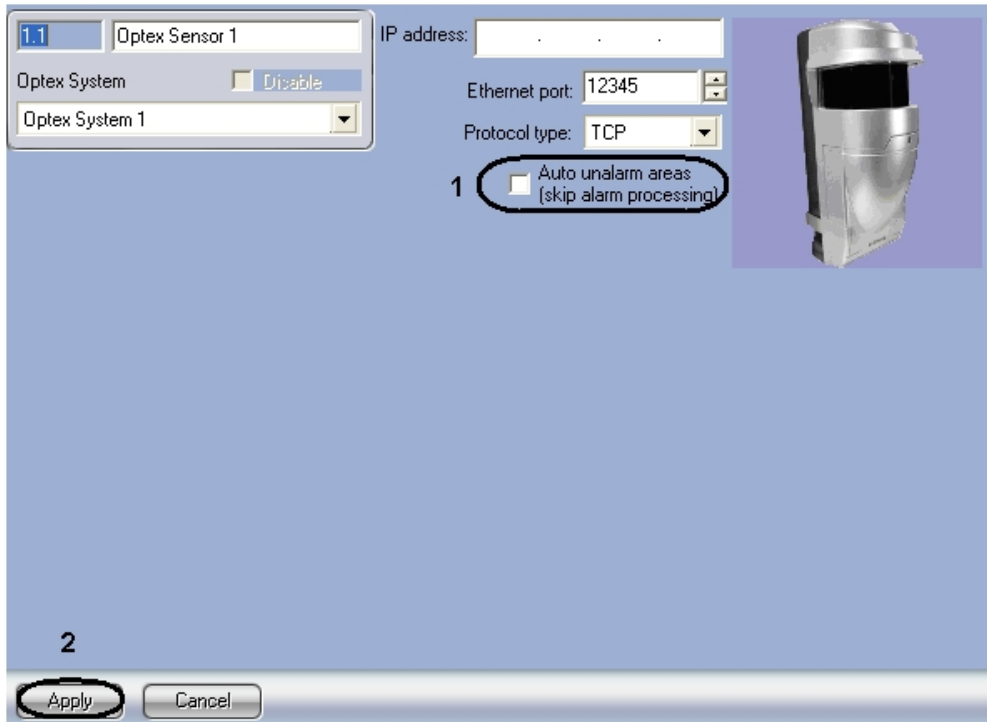
For an *Optex* sensor, *ACFA Intellect* has two options for processing the alarms that come from its detection area:

1. Automatic – the alarm stops automatically when the detector's hardware leaves the **Alarm** state.
2. Processed by the operator – the alarm is active up until the operator processes it.

For a sensor, all its detection areas have the same alarm processing method.

To select the alarm processing method:

1. Go to the setup panel of the relevant **Optex Sensor** object.

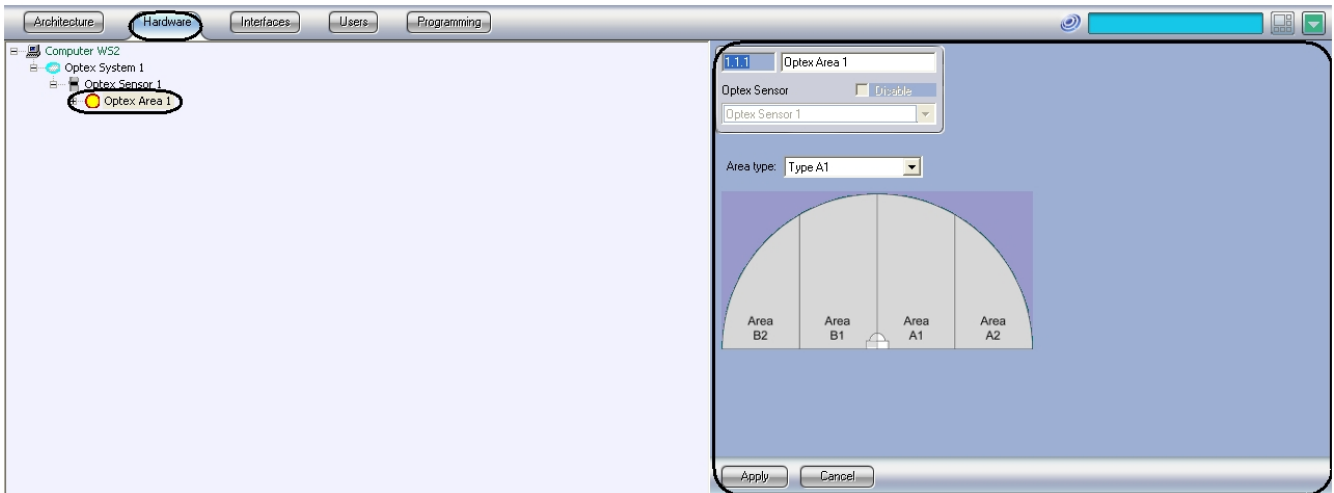


2. To process alarms automatically, select the **Auto unalarm areas (pass process alarm)** checkbox (1). To process alarms with the operator, deselect the checkbox.
3. Click **Apply** to save the changes (2).

The alarm processing mode is now selected.

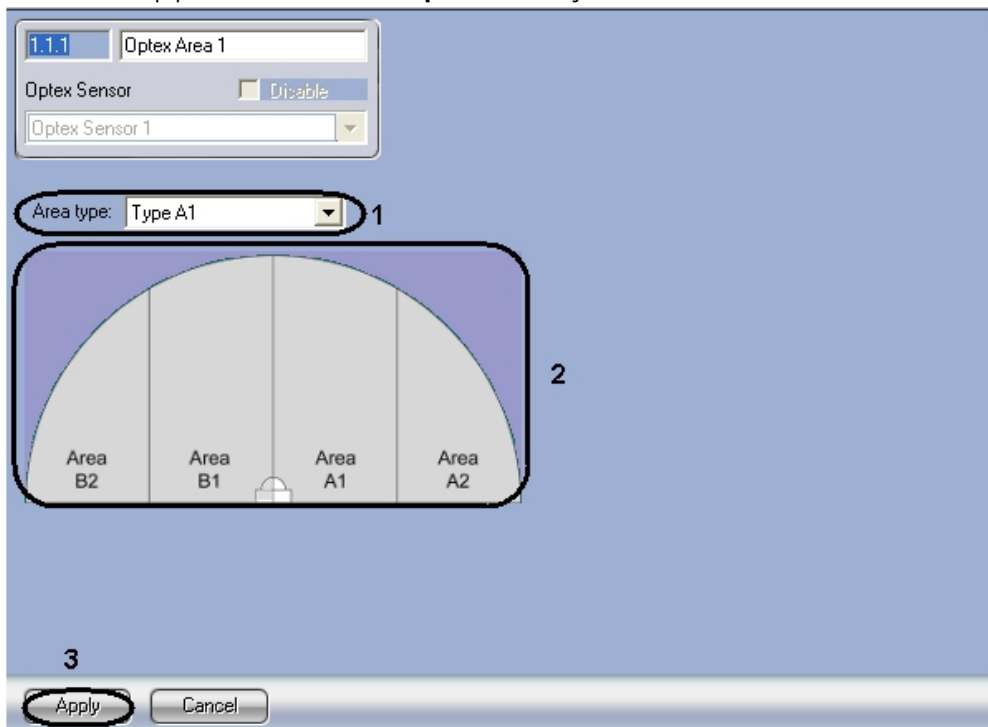
## Configuring Detection Areas for an Optex sensor,

For an *Optex* sensor, to configure its detection area, use the setup panel of the relevant **Optex Area** object. To find this object, go to the **Settings** dialog box, click the **Hardware** tab, and browse the object tree of the relevant **Computer** object.



To configure a detection area:

1. Go to the setup panel of the relevant **Optex Area** object.



2. In the **Area type** drop-down list, select an area type. This is the position of the detection area (1).

**Note:** The figure above shows the setup panel of a **Optex Area** object. For each area type (label), the figure shows which position it represents, for the case when the sensor is configured for 4 detection areas (2).

**Note:** For each sensor, its detection areas are configured at the hardware level. For how to do it, refer to the vendor documentation.

3. Click **Apply** to save the changes (3).

The detection area is now configured.

# Using the Optex Integration Module

## General Information on Using the Optex Integration Module

To use the *Optex* integration module, use the following GUI objects:

1. **Map**;

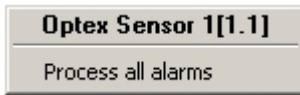
## 2. Event log.

The information on how to configure these GUI object can be found in the [Intellect Software Package: Administrator's Guide](#).

The detailed information on how to work with the GUI objects can be found in the [Intellect Software Package: Operator's Guide](#).

# Managing Optex Sensors

To manage an *Optex* sensor, go to the **Map** window and use the menu of the relevant **Optex Sensor** object.



Description of the Optex Sensor menu items is given below.

Menu item	Executed function
Process all alarms	Processes the alarms that come from all the sensor's detection areas

# Managing Optex Detection Areas

For an *Optex* sensor, to manage a detection area, go to the **Map** window and use the menu of the relevant **Optex Area** object.



Description of the Optex Area menu items is given below.

Menu item	Executed function
Process alarm	Processes the alarm

**Note:**

For a sensor, you can also process the alarms that come from all its areas (see Section [Managing Optex Sensors](#)).