# SSPX

**KEY FEATURES OF THE SSPX HARDWARE CONFIGURATOR: (2.0.0):**

***Notice: for designing conventional CSP systems, use version 1.02.***

**Development and editing of hardware configurations for fire alarm systems:**

- possibility to develop a hardware configuration of a fire alarm system based on the ACSP addressable system
  - selection of topology: loop, radial, hybrid
- adding and editing levels/floors in the building
- adding building levels/floors plans prepared in the following formats: JPG, JPEG, BMP, PNG, GIF, TIF, TIFF, PDF
- arranging SATEL fire alarm system devices on the plan (map)
- drawing connections between devices and penetrations between floors
- console displaying possible configuration errors and warnings
- ongoing verification of the correctness of the connection configuration
- calculation of the device weights in each detection line
- informing users about exceeding the maximum permissible number of devices in the system
- choosing how to illustrate devices on the plan: thumbnails of devices, photos, graphic symbols
- presentation of detector ranges on the plan
- assigning devices to zones
- presentation of topology as a graph
- possibility to save the configuration project and edit it after restarting the Configurator

**Calculation of the designed system current balance and battery selection:**

- determining the total current consumption during supervision and alarm
- calculation and indication of the minimum battery capacity necessary to back up the system in the event of main power failure for a specified period of time
- calculation of voltage drops and warning of exceeding limit values at a given point on the line/loop
- ability to estimate the current balance and to verify if the limit values of the selected parameters are not exceeded, without the need to upload a facility plan and place devices on it

**Calculation of resistance of detection lines:**

- calculation of the length of the line/loop cables taking into account the system parameters entered in the project
- verification if the limit values are not exceeded

**Fire alarm system cost estimate:**

- importing your own price lists and using them in a particular calculation
- adding your own elements to the offer, such as cabling, installation cost and initial servicing cost
- providing your own elements with: proper names, number of items, units of measurement and net prices;
- individual arrangements concerning: profit margin, discount rates and VAT for individual items included in the cost estimate.

**Documentation and offer preparation:**

- generating of offers including such items as:
  - information about the project
  - plan/map of the fire alarm system showing locations of its devices
  - descriptions and technical data of devices included in the system
  - current balance of the system
  - cost estimate
  - certificates of admittance and other certifications
  - logo and details of the designer
  - notes
- printing the documentation or generating it in PDF format

The actual appearance of the products may differ from the presented images. Product descriptions are provided in the web service for information purposes only.

**Requirements**

- PC with MS Windows 10 (x86, x64) or later operating system
- processor Intel Pentium 4/AMD Athlon 64 or higher
- minimum 512 MB RAM

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