ARGUSSPECTRUM

Integrated short circuit isolators   240 devices in the loop   Loop length up to 4 km   Reliable data exchange

9 million devices sold   200 000 successful projects   Passed tests in 83 counties   30 years on the market

INTELLIGENT FIRE DETECTION

Addressable fire equipment by Argus Spectrum

Cloud Service

When discussing Argus Spectrum technologies, particular attention should be given to the Streletz-Cloud cloud service. This service provides access to installed systems for the servicing organization and other authorized personnel.

Through the cloud service, installed systems are continuously monitored, and any malfunctions are promptly identified and resolved. You can use Streletz-Cloud through a web browser, mobile app,

or software, and your data remains encrypted and secure on servers. You can even remotely track things like smoke, temperature, dust levels, and more.

The fire alarm system's real-time status is just a smartphone away for those in charge of safety. This cloud-based approach assures steady supervision and quick action, keeping the fire alarm system dependable and effective.

Buildings are seamlessly linked to the Streletz-Cloud cloud service, extending accessibility to the installed systems for the authorized personnel. This cloud service ensures ongoing monitoring of the systems, swiftly detecting and addressing any malfunctions that

may arise. The fire alarm's status in the building also remains readily accessible to engineers responsible for system maintenance – all it takes is a smartphone to check.
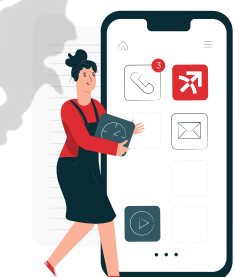
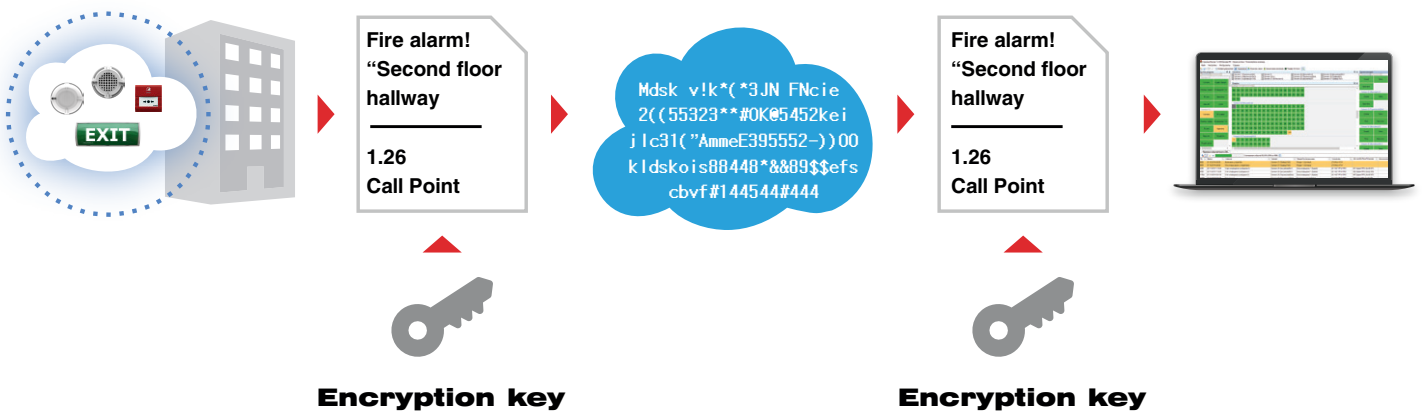| Business owner | Landlord | Maintenance engineer | Maintenance manager |

Streletz-Cloud's fortified servers and impenetrable end-to-end encryption ensure data safety up to modern standards. Your valuable information is shielded at all stages, ensuring uncompromising protection. With state-of-the-art secure servers, your data is safe from unauthorized access, and our robust end-to-end encryption guarantees confidentiality. Trust Streletz-Cloud to keep your sensitive data locked away, setting new standards for cloud service security.

Fire alarm!
"Second floor hallway

1.26
Call Point

Mdsk v!k*(*3JN FNcie 2((55323**#OK@5452kei jlc31("AmmeE395552-))OO kldskois88448*&&89$$efs cbvf#144544#444

Fire alarm!
"Second floor hallway

1.26
Call Point

Encryption key   **Encryption key**

Streletz-Cloud web client is your monitoring center. All systems connected to the account are displayed on the main page. The color of the elements makes it easy to determine the status of each system.

Put the mobile client on your phone for on-the-go help. This app guides you and your client through any hiccups, even if you're not at the office. When there's an alarm or issue, you'll instantly know thanks to push notifications.
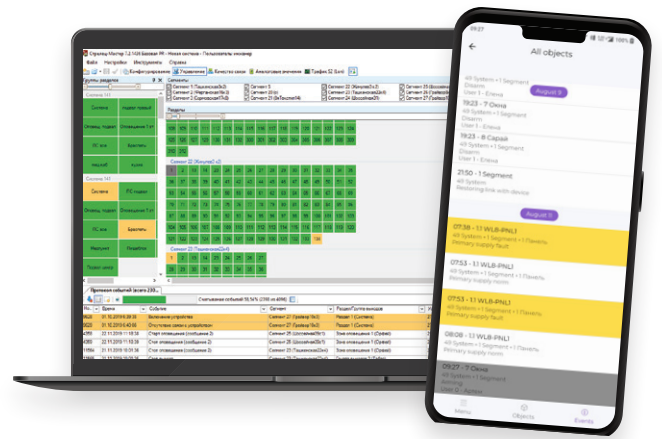
Please come check the system, I've had a yellow light, then it turned red, the screen tells me there's some kind of error, but the buttons are not responding

No longer will you need to guess the nature of a system malfunction. With Streletz-Cloud, you gain foresight before visiting the site, knowing exactly what you're up against. Is it a dust issue? Grab a vacuum cleaner. Facing a malfunctioning smoke exhaust valve? It's wiser to dispatch a seasoned engineer. Streletz-Cloud empowers you to schedule your tasks proactively rather than reacting to unexpected situations.
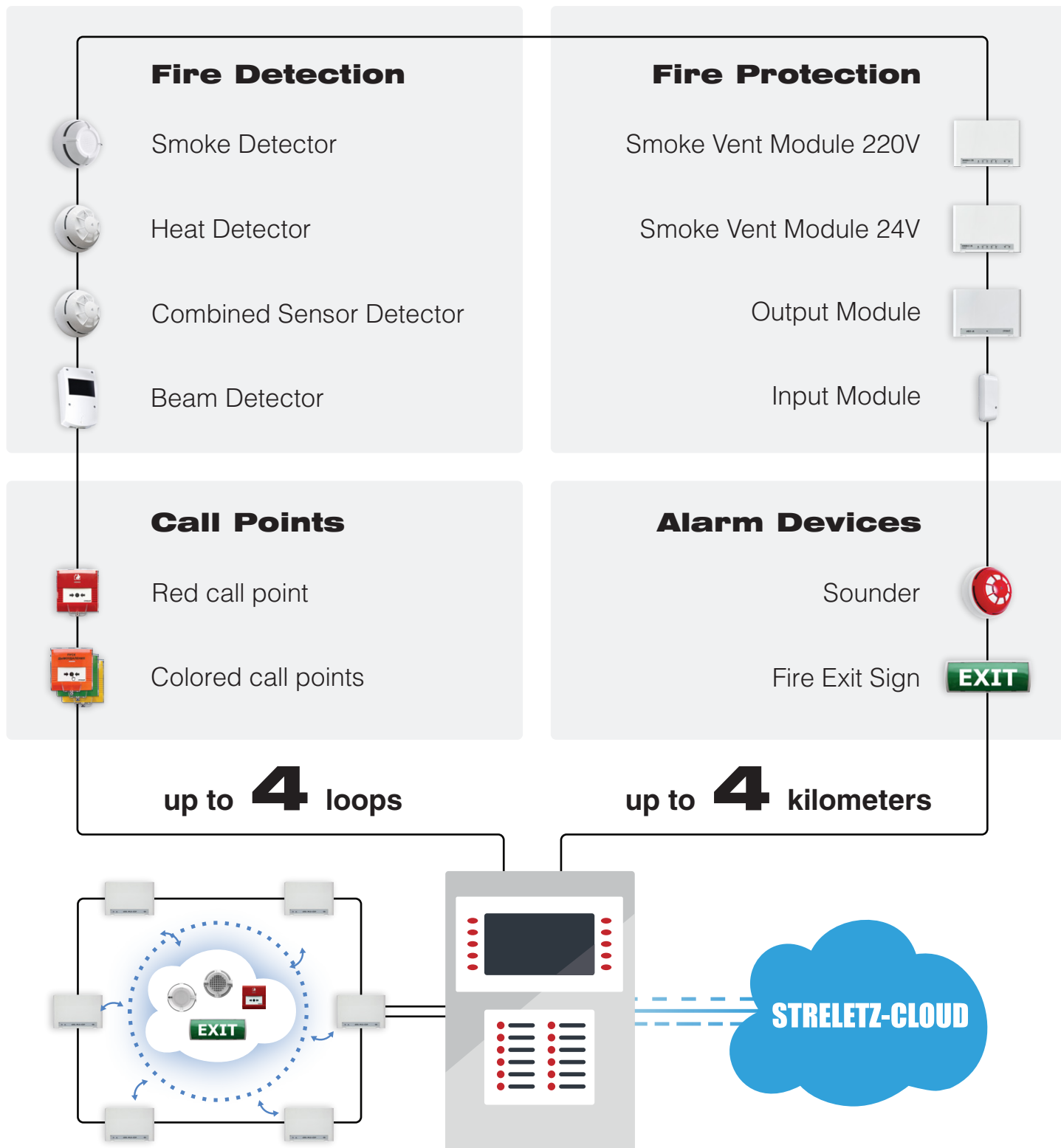

The Streletz-Cloud Service

A video about the features of the cloud service, where you can use it and what you need to get started

https://catalog.argus-spectr.ru/video/en/cloud

Product Range

Fire Detection

Smoke Detector

Heat Detector

Combined Sensor Detector

Beam Detector

Fire Protection

Smoke Vent Module 220V

Smoke Vent Module 24V

Output Module

Input Module

Call Points

Red call point

Colored call points

Alarm Devices

Sounder

Fire Exit Sign

EXIT

up to **4** loops

up to **4** kilometers

EXIT

STRELETZ-CLOUD

Argus Spectrum offers a comprehensive product range, including analogue addressable devices. The fact that our main specialty is wireless, doesn't mean that our wired solution is compromised in any way. In fact, it is just as good as other intelligent fire systems from popular manufacturers. Our addressable product line includes smoke, heat, multi-criteria and beam detectors, manual call points, sounders and VAD's, output and input modules. All devices come equipped with an integrated short circuit isolator. Addressable detectors by Argus Spectrum use a modification of a popular system protocol and compatible with different types of control panels.

Built-in Isolator

Short Circuit isolator is a device that stops an entire control panel loop from going down when a short-circuit happens. It does this by isolating the part of the loop where the short occurred, keeping it separate from the rest of the circuit. Once the short-circuit issue is fixed, the isolator automatically reconnects the loop, ensuring smooth operation. Fire detectors, alarm devices, and I/O modules by Argus Spectum all come with an integrated short circuit isolator. This solution has several important advantages:

No separate devices are required. This means reduced equipment costs, and installation becomes slightly more convenient and faster.

No wasted addresses. The built-in isolators do not occupy valuable address pool in the control panel.

Easier design. System designers don't have to strategically put isolators in the loop to ensure reliability.

Separate isolators
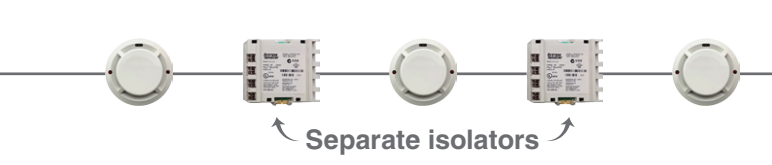
Built-it isolators

Technical features

Up to 240 devices in the loop	**Detection of duplicate addresses**

There are no standalone short-circuit isolators or communication modules that would occupy the address space.

If devices with the same addresses are connected to the loop, the panel will issue a warning, and the built-in LEDs on the devices will turn on.

Maximum current in the loop – 300 mA	**Interference resistance**

The greater the maximum current, the more alarm devices can be connected to the loop.

This is achieved through high voltage in the signal line (36 V) and pulse width modulation.

Reliable data exchange	**Comprehensive product range**

Control panel repeatedly pings the devices ensuring delivery of fire signals without any delays. Connection integrity is constantly monitored and communication parameters are adjusted if needed.

The range covers all needs of fire protection: smoke, heat, and beam detectors, sounders, MCP's, VAD's, I/O modules and equipment for smoke vent system control.

Fire Detectors

Smoke Detector

🎖 Patented smoke chamber: protection from dust, insects, and light

✨ Supports drift compensation

Heat Detector

🌡 3 different modes of analysing the temperature

Combined Sensor Detector

🎖 Patented smoke chamber

✨ Supports drift compensation

🌡 3 different modes of analysing the temperature

Beam Detector

↔ 100-meter max distance

✳ Laser pointer for easier adjustment

⊙ Supports drift compensation

■ Call Points

Manual Call Point

⊙ Reliable mechanism

◊ Weather-proof

Colored Call Points

🏃→ Green – emergency door release

Orange – smoke & vent control

Yellow – suppression system activation

■ Input / Output Modules

Output Module

⬚ One output ~250V / =30V, 8A

⬇ External fault input

Smoke Vent Damper Module 220V version

⬚ Switch rated for ~220V

⚡ Max current – 3A

▦ Monitors the actuator and power circuits

⬇ 4 inputs for monitoring the state of the damper

Smoke Vent Damper Module 24V version

⬚ Switch rated for =24V

⚡ Max current – 3A

▦ Monitors the actuator and power circuits

⬇ 4 inputs for monitoring the state of the damper

Input Module

One programmable input for conventional detectors and other equipment

Notification Appliances

Sounder

Sound pressure level at 1 m. – 92 dB

Selection of multiple tones

Works in sync with other sounders

Fire Exit Sign

Additional insert signs included: fire, alarm, go left/righ

4 brightness levels

4 modes of operation

Auxiliary Equipment

Detector Base

- Ballast resistor terminal
- Remote indicator terminal
- Locking mechanism for tamper protection

Programmer

- Backlit display
- Powered by a 9-volt battery
- Can be used to change settings of the devices

Successful Projects

Airport flight coordination center

Sports center

Theatre

Medical academy

Social fund branches

Shopping mall

University

Outpatient department

Transport engineering departments

Government building

Marrige registration centers

Hospital

Comparison table

Argus Spectrum	Schneider Electric SE	Robert Bosch GmbH	Honeywell International, Inc.	Schrack Seconet AG

Loop capacity

If the system does not support built-in short circuit isolators, then some of the capacity would have to be wasted on the standalone SCI's
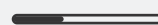
240	318	254	127	250

Max loop length

Bigger max loop length gives you more freedom while designing and installing an intelligent fire alarm

4 000 m.	1 600 m.	3 000 m.	3 500 m.	3 500 m.

Max loop current

The greater the maximum current, the more alarm devices like sounders can be connected to the loop.

300 mA	560 mA	1 500 mA	300 mA	300 mA

Loop voltage

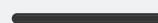This technical spec has an effect on how well the system is protected from electromagnetic interference

36 V	24 V	30 V	36 V	24 V

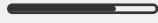| Argus Spectrum	Schneider Electric SE	Robert Bosch GmbH	Honeywell International, Inc.	Schrack Seconet AG

Detector power consumption

Less is better: the more power is consumed by detectors the less current is available for alarm devices
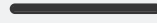
200 µA	200 µA	550 µA	30 µA	120 µA

Duplicate address detection

When the control panel is capable of detecting devices with the same address, it makes it easier for the fire alarm engineers to diagnose and fix problems that can occur during system setup.

✓	✓	✓	✓	✓

Integrated short circuit isolators

Built-in isolators don't take up space in the address pool of the control panel, while making the system more reliable and easier to install.

✓	✓	✓	✓	✓

Alarm devices powered by the loop

When the alarm devices can't be powered by the loop, you need to install additional power supply units, which increases expenses on the project.

✓	✓	✓	✓	✓

Cloud service

Cloud service gives you the ability to monitor the system and change settings from anywhere in the world

✓	✓	✓	✓	✓

Transition Table

Equipment	Bosch product	Argus Spectrum counterpart
▼ **Fire detectors**		
Smoke detector	FAP-425-O-R	Aurora-DI
Heat detector	FAP-425-T-R	Aurora-TI
Combined sensor detector	FAH-425-OT-R	Aurora-DTI
Beam detector	FIRERAY 50 RV, FIRERAY 100 RV (conventional)	Amur-I
▼ **Call Points**		
Call point	FMC-210-DM, FMC 300RW, FMC-420RW	IPR-I
		IPR-I Green
		IPR-I Yellow
		IPR-I Orange

Equipment	Bosch product	Argus Spectrum counterpart
▼ **Notification Devices**		
Sounder	FNM-420-A-WH, FNM-420-A-RD	Sirena-I
Fire exit sign	*no direct counterpart*	Tablo-I
▼ **Input and output modules**		
Input module	FLM-420/4-CON, FLM-420-I2	MV1-I (one input)
Output module	FLM-420-RHV, FLM-420-RLV1, FLM-420-NAC	IB1-I (one output)
Output module for smoke vent dampers	FLM-420-NAC	Klapan-I 220 Klapan-I 24

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