Q: WIRELESS FIRE SYSTEM?

A: STRELETZ-PRO

7 000 000 wireless fire detectors sold worldwide

150 000 installations worldwide

- made for EUROPE

- certified by LPCB/BRE

- certified by IMQ
Argus Spectrum International is one of the world’s leading manufacturers specialising in the development and production of innovative wireless and wired fire detection and security systems. The company was founded in the city of St Petersburg in 1993 by two leading scientists working in the field of experimental radio physics and electronics, operating within the faculty of Peter the Great Polytechnic University. This St Petersburg University is recognised as the leading centre for engineering and technology throughout Russia. In 2019 Argus Spectrum International completed its new European manufacturing facility in Savonlinna, Finland and successfully passed the audits of two leading certification boards - LPCB / BRE Global and IMQ. The factory will supply EN54 LPCB approved wireless products to the global market.

**Search and Development**

Our close collaboration with the specialist universities of St Petersburg enables us to develop and apply state of the art technology within our product program. A dedicated department for radio-physical studies has been established in Peter the Great Polytechnic University by our General director, Sergey Levchuk and providing us with a wealth of talented employees. A continuous program of research and development is led by a team of 40 highly qualified engineers delivering a comprehensive range of products to our global partners. Argus Spectrum International has been recognized and presented with 2 prestigious awards from the Government of the Russian Federation in the field of science and technology. We have also received many accolades for innovation and leading-edge technology products from the fire and security industry.

**Production**

We operate strict quality management systems in accordance with ISO9001 which are approved by the Loss Prevention Certification Board, United Kingdom. We have been recognized by and awarded the Toyota Bronze Medal for our Production Management System.

**International Projects**

Argus Spectrum International products are protecting significant and high-profile installations including the world-famous Hermitage, the Houses of Parliament in the United Kingdom and the newly constructed Military Medical Academy in Saint Petersburg incorporating more than 20,000 wireless devices.
**STRELETZ - IS**

- Wired and wireless fire alarm system
- Wired and wireless notification system
- Wired and wireless security system
- Personnel monitoring and alert system

**The construction of the system:**

The wired to wireless translator module as well as all wired addressable devices are connected to the control panel via a two-wire loop, Vega protocol. Each translator module controls wireless expanders and devices. The wireless system operates on the principle of a self-organizing mesh network, that provides a high level of reliability and a simple design and commissioning process. The translator receives signals from wireless devices and transmits them to the control panel. The translator receives control signals from the control panel and transmits them to the detectors, annunciators, output modules.

**Programming:**

Programming wireless devices is carried out directly from the translator’s menu or through a PC.

**Capacity:**

Each of the control panel’s loop is capable of hosting 240 wireless and wired devices.

**MORE FUNCTIONAL AND HIGHLY ECONOMICAL**

- Self-healing mesh wireless system
- 10-year battery life
- 3 sec. alarm activation delay
SELF-HEALING MESH TECHNOLOGY IN STRELETZ-PRO IS A NEW AND UNIQUE LEVEL OF RELIABILITY:
- each device automatically chooses its parent expander;
- expanders automatically form a network for delivering information to the main control panel.

SELF-HEALING MESH TECHNOLOGY PROVIDES:
- high level of reliability;
- automatically adapting to changing operating conditions: all devices automatically choose a parent expander depending on the quality of connection;
- extended information system capacity allowing complex issues to be managed and solved;
- a simple design and commissioning process;
The system will automatically decide which device connects to which expander and build a wireless network.

ADVANTAGES FOR INSTALLERS:
- simplified design and planning process;
- faster commissioning process;
- solutions to complicated problems and challenges.
«Streletz-PRO» automatically:
- connects the devices with their corresponding expanders and reconfigures if necessary;
- adapts to changing operating conditions.
In addition, both the wireless and wired components of the system can be configured in one software.

FEATURE №1: SELF-HEALING MESH

AUTOMATIC RECONFIGURATION OF COMMUNICATION ROUTES

Automatic reconfiguration of communication routes
Unavailable communication route
Shortest redundant route
**FEATURE No2:**

10-year BATTERY LIFE

Every device in the system monitors the state of its primary and backup battery and Streletz-Pro software is designed to provide the user efficient and planned battery replacement.

Signal delivery confirmation and automatic adjustments to transmission power.

Software monitors the state of the batteries, which allows planning battery replacement ahead of time.

**FEATURE No3:**

3-SECOND ACTIVATION DELAY

3-second activation delay

All alarm notification devices activate in under 3 seconds, no matter how many devices are in the system.

The activation is synchronized.

**FEATURE No4:**

COMMUNICATION RANGE 1200 M

Communication range is 1200 m

1 200 m - communication range between a device and a wireless expander.

2000 m - communication range between expanders.

**FEATURE No5:**

CRYPTOGRAPHIC PROTECTION

128-bit cryptographic protection.

Hacking immunity.

**FEATURE No6:**

HIGH LEVEL OF NOISE IMMUNITY

6 radio channels, the operating channel is switched automatically in case of background noise is present.

Transmission power is adjusted automatically.

Transmission period of the control signals is also adjusted automatically.

**FEATURE No7:**

WIRELESS CONFIGURATION OF DEVICE SETTINGS

All system settings can be programmed wirelessly.

One press of a button will apply all changes made to the system configuration.
TRANSLATORS / EXPANDERS

ARG-WL8-TRV
Wireless translator module

The translator module allows fully intelligent and seamless integration of the wireless devices alongside standard wired devices.

FEATURES:
• Loop powered
• Dynamic routing for all expanders and field devices
• Bi-directional wireless communication
• Capable of linking up to 127 expander modules
• Supports full device intelligence
• Operating temperature range: –30 °C to +55 °C

ARG-WL8-EXP
Wireless expander module

The wireless expander module provides a convenient method to increase radiocommunication range beyond that possible from a single translator by relaying the radio communication to further expanders or directly to the wireless field devices.

FEATURES:
• Dynamic routing for all expanders and field devices
• Bi-directional wireless communication
• Capable of linking up to 240 fully intelligent wireless field devices
• Supports full device intelligence
• Operating temperature range: –30 °C to +55 °C

ARG-WL8-O
Wireless optical smoke detector

The wireless optical smoke detector samples the air in the protected area to provide the earliest warning of fire and yet offers a high level of false alarm rejection.

FEATURES:
• Adjustable sensitivity – low, normal or high
• Bi-directional wireless communication
• Fully intelligent
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Patented design of smoke inlet to optical chamber
• Operating temperature range: –30 °C to +55 °C

ARG-WL8Ex-O
Wireless intrinsically safe smoke detector

Explosion proof version: smoke detector ARG-WL8Ex-O
Explosion proof rating - 0ExIIIT6.

ARG-WL8-H
Wireless heat detector

The wireless heat detector continuously samples the temperature in the protected area to provide the earliest warning of fire. The device is capable of being configured on site either in fixed temperature or rate of rise modes.

FEATURES:
• Rate of rise or fixed temperature mode
• Bi-directional wireless communication
• Fully intelligent
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Operating temperature range: –30 °C to +55

ARG-WL8Ex-H
Wireless intrinsically safe heat detector

Explosion proof version: heat detector ARG-WL8Ex-H
Explosion proof rating - 0ExIIIT6.
ARGUSSPECTRUM
INTERNATIONAL
SYSTEM STRUCTURE

FIRE DETECTORS

ARG-WL8-OH
Wireless multi-criteria detector

The wireless multi criteria detector combines both smoke detection and heat detection technologies.

FEATURES:
• Combined heat and smoke sensing
• Bi-directional wireless communication
• Fully intelligent
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Operating temperature range: −30 °C to +55 °C
• Explosion proof version: smoke detector ARG-WL8Ex-OH

ARG-WL8-CP
Wireless call point

The wireless manual call point has a resettable plastic element, which displays a drop down warning flag when operated. A key is supplied with the MCP for reset and case opening.

FEATURES:
• Resettable element
• Bi-directional wireless communication
• Fully intelligent
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Operating temperature range: −30 °C to +55 °C

ARG-WL8-B
Wireless beam smoke detector

The wireless reflected type beam smoke detector samples the air in the protected area. When smoke level between the unit and the reflector reaches the threshold the alarm is activated.

FEATURES:
• Built-in laser pointer for visual control during the tuning process
• Bi-directional wireless communication
• Fully intelligent
• 10-year battery life
• Operation range from 5 to 80 meters
• Operating temperature range: −30 °C to +55 °C

ARG-WL8-OS
Wireless optical smoke detector with built-in sounder

The wireless optical smoke detector with built-in sounder samples the air in the protected area to provide the earliest warning of fire and yet offers a high level of false alarm rejection. Build-in sounder provides notification in case of a fire.

FEATURES:
• Adjustable sensitivity – low, normal or high
• Bi-directional wireless communication
• Fully intelligent
• Sound synchronization with other sounders
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Patented design of smoke inlet to optical chamber
• Operating temperature range: −30 °C to +55 °C

ARG-WL8-HS
Wireless heat detector with built-in sounder

The wireless heat detector with built-in sounder continuously samples the temperature in the protected area to provide the earliest warning of fire. The device is capable of being configured on site either in fixed temperature or rate of rise. Build-in sounder provides notification in case of a fire.

FEATURES:
• Rate of rise or fixed temperature mode
• Bi-directional wireless communication
• Fully intelligent
• Sound synchronization with other sounders
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Operating temperature range: −30 °C to +55 °C
FIRE DETECTORS WITH BUILT-IN ANNUNCIATOR

The wireless optical smoke detector with built-in voice annunciator samples the air in the protected area to provide the earliest warning of fire and yet offers a high level of false alarm rejection. The detectors provide white noise and strobe lights to indicate safe exit route.

FEATURES:
• Wireless evacuation system
• Adjustable sensitivity – low, normal or high
• Bi-directional wireless communication
• Fully intelligent
• Voice synchronization with other annunciators
• 10-year battery life
• Self-optimizing wireless frequency and amplitude algorithms
• Patented design of a smoke inlet to optical chamber
• Operating temperature range: –30 °C to +55 °C

WHITE NOISE AND STROBE LIGHTS INDICATE SAFE EXIT ROUTE

Wireless directional evacuation via sound and strobe lights (similar to aircraft emergency floor path illumination)

1 Smoke detection in the protected area
   Integrated fire detectors & annunciators analyze the smoke level in the air and transmit this information to the control device

2 Voice alarm about fire
   In case of fire alarm
   annunciators / detectors ARG-WL8-OV activate a synchronised voice message «attention there is a fire in the building – follow the sound and light indications»

3 «White noise» & strobe lights path
   ARG-WL8-OV devices alternately flash the high intensity LED’s and generate white noise to clearly indicate a directional path to the safest evacuation route

4 Control of evacuation
   The system allows a change to the direction of sound wave and strobe lights path to alternate emergency exit routes if necessary
ANNUNCIATORS:

ARG-WL8-V
Wireless voice annunicator

The wireless voice annunicator is fully addressable and benefits from an extensive range of intelligent control, test and monitoring functionality.

FEATURES:
- Voice synchronization with other annunicators
- Bi-directional wireless communication
- Fully intelligent
- Voice pressure level 92 dB
- 10-year battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Operating temperature range: −30 °C to +55 °C

ARG-WL8-SND
Wireless sounder

The wireless sounder is fully addressable and benefits from an extensive range of intelligent control, test and monitoring functionality.

FEATURES:
- Sound synchronization with other sounders
- Bi-directional wireless communication
- Fully intelligent
- Sound pressure level 98 dB
- 10-year battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Operating temperature range: −30 °C to +55 °C

INPUT/ OUTPUT MODULES:

ARG-WL8-OUT
Wireless single output module

The wireless output module has been designed to allow control of a variety of equipment including access control doors, ventilation plant and fire extinguishing systems.

FEATURES:
- Activation synchronization with other modules
- Bi-directional wireless communication
- Fully intelligent
- 10-year battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Operating temperature range: −30 °C to +55 °C

ARG-WL8-IN
Wireless single input module

The wireless input module is used for monitoring one input circuit and sending information to the control panel.

FEATURES:
- Programmable input for fire and security detectors, emergency button or specialized detectors
- Bi-directional wireless communication
- Fully intelligent
- 10-year battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Operating temperature range: −30 °C to +55 °C

ARG-WL8-OUT
Wireless single output module
**INDOOR AND OUTDOOR POSITIONING**

**STRELETZ-PRO ADVANTAGES**

- Indoor and outdoor positioning.
- Personal wearable devices are designed in the form of the watch that provides comfortable use with waterproof and shockproof housing (IP66).
- Quick, easy and cost-effective installation (wireless communication between all the devices of the system).
- The communication range of wearable devices with the expander is 1200 m.
- The wide range of bracelet's are designed to alert personnel in the event of emergency and evacuation.
- The system can be expanded and upgraded together with fire and security alarm systems, fire suppression and perimeter detection systems.

**OUTDOORS:**
the system uses the signals from satellites to determine the location of a person with the electronic bracelet

**INDOORS:**
the system uses the signals from wireless fire devices to determine the location of a person with the electronic bracelet

**Positioning information displayed on a computer**

**PERSONAL WEARABLE DEVICES**

**BRASLET-PRO v. D**

Explosion-proof versions: BRASLET-PRO-Ex v. D

Wireless personal notification and monitoring device

The wireless personal notification and monitoring device provides monitoring the condition and location of personnel, visitors, and equipment on protected premises, as well as text messaging and personal navigation.

**FEATURES:**
- Indoor and outdoor positioning
- Staff performance monitoring
- Occupational safety
- Bi-directional wireless communication
- Fully intelligent
- LED display
- Operating temperature range: –30 °C to +55 °C
- Explosion proof rating - 0ExIIT6

**BRASLET-PRO E x v. D**

Personal notification and monitoring devices

The wireless personal notification and monitoring device provides monitoring the condition and location of personnel, visitors, and equipment on protected premises.

**FEATURES:**
- Indoor and outdoor positioning
- Staff performance monitoring
- Occupational safety
- Bi-directional wireless communication
- Fully intelligent
- LED display
- Operating temperature range: –30 °C to +55 °C

**CHARGING STATIONS FOR BRACELETS**

**ZU-16**

Charging station

The charging station allows charging of 16 Braslet-PRO or 16 Braslet-PRO v. D at the same time

**FEATURES:**
- Full charge time – one hour
- Magnetic bases for mounting the bracelets
- 220 V AC adapter included
- Can be mounted in a 19" stand
- Built-in battery
**SYSTEM STRUCTURE**

**ARI-WL8-XXX SERIES**

This is a special series of fire detection and alarm system for small facilities (cottages, villas etc.) Comparison of the main features of ARG and ARI series

<table>
<thead>
<tr>
<th></th>
<th>ARG-WL8-XXX</th>
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<tbody>
<tr>
<td>Self-healing mesh</td>
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<td>Capacity of system</td>
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* In case of connection between the translator and the control panel via Vega protocol the capacity of the system is limited by 240 devices

**ARI-WL8-TRV**

Wireless translator module

The translator provides seamless integration between wireless system and intelligent wired devices

**FEATURES:**

- Loop powered
- Dynamic routing for all expanders and field devices

**ARI-WL8-EXP**

Wireless expander module

The wireless expander module relays signals from detectors and other expanders to the translator module, thus increasing the network coverage

**FEATURES:**

- Loop powered
- Dynamic routing for all expanders and field devices
- Bi-directional wireless communication

**ARI-WL8-OS**

Wireless optical smoke detector with built-in sounder

The wireless optical smoke detector with built-in sounder samples the air in the protected area to provide the earliest warning of fire and while also offering a high level of false alarm rejection. Built-in sounder provides notification in case of fire

**FEATURES:**

- Adjustable sensitivity – low, normal or high
- Sound synchronization with other sounders
- Patented design of smoke inlet to optical chamber

**ARI-WL8-HS**

Wireless heat detector with built-in sounder

The wireless heat detector with built-in sounder continuously samples the temperature in the protected area to provide the earliest warning of fire. The device can be configured to generate an alarm if the temperature exceeds a threshold value or starts rising at a certain speed. Built-in sounder provides notification in case of a fire.

**FEATURES:**

- Rate of rise or fixed temperature mode
- Sound synchronization with other sounders

**ARI-WL8-CP**

Wireless call point

The wireless manual call point has a resettable plastic element, which displays a drop down warning flag when operated. A key is supplied with the MCP for reset and case opening

**FEATURES:**

- Resettable element

**ARI-WL8-SND**

Wireless sounder

The wireless sounder is fully addressable and benefits from an extensive range of intelligent control, test and monitoring functionality

**FEATURES:**

- Sound synchronization with other sounders
- Sound pressure level 98 dB

**ARI-WL8-XXX SERIES**

**0051 – CPR – 1915**

EN 54-17:2005
EN 54-18:2005
EN 54-25:2008 + AC:2012

**0051 – CPR – 1914**

EN 54-18:2005
EN 54-25:2008 + AC:2012

**Comparison of the main features of ARG and ARI series**

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CERTIFICATES OF CONSTANCY OF PERFORMANCE ACCORDING TO EN 54

ARGUS SPECTRUM INTERNATIONAL QMS IS APPROVED BY LPCB SINCE 2003
2 factories: St Petersburg, Russia and Savonlinna, Finland

CERTIFICATES OF COMPLIANCE WITH THE REQUIREMENTS OF THE FEDERAL LAW GOST R 53325–2012
CASE STUDIES IN SAINT PETERSBURG MEDICAL ACADEMY

**PROJECT SIZE:**
- summary square – 140,000 m².
- 20,000 detectors

**MARKET SECTOR:**
- medical, educational and scientific institution

**SYSTEM TYPE:**
- hybrid wireless and wired

**PROJECT DESCRIPTION**
The multidisciplinary clinic of the Medical Academy represents a modern complex and consists of 7 buildings forming a single whole. The object includes clinical and diagnostic blocks, radionuclide Diagnostic block, educational and scientific blocks. The clinic required a fire detection and security alarm system.

**REASONS FOR WIRELESS USE**
The specificity of the hospital complex implies difficult access to individual rooms (surgery, resuscitation, etc.) and the need to maintain clean rooms.

Due to wireless technology the system was installed in a short time. Some parts of the system were pre-programmed and configured before they were installed in place for final testing and commissioning. In addition, the wireless system allowed to use wearable bracelets in the system for patients. The bracelets provide personal notification in case of fire alarms and perform the functions of a panic button. Wearable devices also automatically transmit alert to nurse's post in case of person's loss of consciousness.

Sea Oil Platform

**PROJECT SIZE:**
- summary square – 3,000 m².
- 300 wearable bracelets

**MARKET SECTOR:**
- oil and gas industry

**SYSTEM TYPE:**
- wireless

**PROJECT DESCRIPTION**
The infrastructure includes the Riser Unit, Ice Resistant Platform, Central Processing Platform and Living Quarters Platform.

**REASONS FOR WIRELESS USE**
Wireless personnel monitoring and alert system Streletz-PRO is a perfect solution for:
- Real-time monitoring of personnel’s condition and location, recording the tracking information.
- Personnel’s notification and alert in case of emergency (text, vibration, sound), sending text messages to bracelets from a security center.
- Feedback from the personnel by using a panic button in case of emergency.

The application of Streletz-PRO allows to enhance security and safety of facilities and increase labor productivity in the shortest possible time. The wireless system provides quick, easy and cost-effective installation and is now widely accepted as being as reliable and robust as traditional wired alternatives, yet offering much more in terms of flexibility, making Streletz-PRO an ideal choice.

Since the new system was planned beforehand, installation and handover went smoothly within the planned timescale. Finally, there were installed more than 1,000 wireless smoke and heat detectors, 50 wireless transmitters, 50 wireless output modules and 60 wireless manual call points.

Vnukovo air traffic control center in Moscow

**PROJECT SIZE:**
- building area – 30,000 m²

**MARKET SECTOR:**
- transport

**SYSTEM TYPE:**
- hybrid wireless and wired

**PROJECT DESCRIPTION**
The construction of new Vnukovo air traffic control center in Moscow started in 2009 and its handover for commissioning was in 2014. It is a three-storeyed building. The center is the largest air traffic control center in Europe. It controls the flights from 14 civil and 21 military aerodromes.

**REASONS FOR WIRELESS USE**
The challenge was to provide a flexible system that can be installed in a short time across the building, preventing disturbance to the occupants. Only wireless technology provides quick, easy and cost-effective installation (wireless communication between all the devices of the system). Wireless technology is now widely accepted as being as reliable and robust as traditional wired alternatives, yet offering much more in terms of flexibility, making Streletz-PRO an ideal choice.

Russian Research Station «Vostok», the Antarctic

**PROJECT SIZE:**
- 100 + devices

**MARKET SECTOR:**
- science

**SYSTEM TYPE:**
- wireless

**PROJECT DESCRIPTION**
Vostok Station is a Russian research station in the Antarctic. The station lies at the southern Pole of Cold. The station consists of several buildings including a power station, a meteorology building and living quarters. The station typically contains 25 scientists and engineers.

**REASONS FOR WIRELESS USE**
Vostok is the coldest place on Earth. In addition to the extremely cold temperatures, other factors make Vostok one of the most difficult places on Earth for human habitation:
- An almost complete lack of moisture in the air.
- A windspeed rising up to 27 metres per second.
- The lack of oxygen
- A higher ionization of the air.

Due to long acclimatization and very short time of installation a wireless system was the obvious solution. At the same time the system should also be very reliable because Vostok station is one of the most isolated established research stations. Wireless fire system Streletz-PRO is very reliable and an ideal variant for facilities with a number of buildings spread over the site where cables cannot be accommodated.
## STRUCTURE OF THE SYSTEM STRELETZ-PRO

### WIRELESS

#### FIRE DETECTORS
- ARG-WL8-O - wireless optical smoke detector
- ARG-WL8-H - wireless heat detector
- ARG-WL8-OS - wireless heat detector with built-in sounder
- ARG-WL8-B1 - wireless beam smoke detector
- ARG-WL8-FL - wireless flame detector

#### INTRINSICALLY SAFE DEVICES
- ARG-WL8Ex-O - wireless intrinsically safe smoke detector
- ARG-WL8Ex-H - wireless intrinsically safe heat detector
- ARG-WL8Ex-OS - wireless intrinsically safe heat detector with built-in sounder
- ARG-WL8Ex-B1 - wireless beam smoke detector
- ARG-WL8Ex-FL - wireless intrinsically safe flame detector
- ARG-WL8Ex-OS - wireless multi criteria detector
- ARG-WL8Ex-B1 - wireless multi criteria detector

#### INPUT / OUTPUT MODULES
- ARG-WL8-IN - wireless single input module
- ARG-WL8-OUT - wireless single output module

#### ANNUNCIATORS
- ARG-WL8-CP - wireless call point

### CONTROL PANELS AND INDICATION DEVICES

#### ANNUNCIATORS
- ARG-WL8-N - wireless light indicator
- ARG-WL8-EXP - wireless light indicator and expander module
- ARG-WL8-SND - wireless sounder
- ARG-WL8-V - wireless voice annunciator

#### INPUT / OUTPUT MODULES
- BR3-I - multimodule, 4 relay
- BR3-I - multimodule, 3 outputs
- MV-I - input module
- MV-I - output module
- MV-I - input relay module
- MV-I - output relay module

#### CALL POINT
- IPR-I - intelligent manual call point

### INTELLIGENT

#### FIRE DETECTORS
- AURORA-Di - intelligent optical smoke
- AURORA-Ti - intelligent heat detector
- AURORA-Di v.2 - intelligent heat detector with short-circuit isolator

#### ANNUNCIATOR
- SIRENA-I - sounder

#### ANCCILLARY
- AURORA-3P - handheld programming unit
- BPI RS-I - converter S2 to RS232
- MOST-IP-I - Intersegmental interaction device

#### CONTROL PANELS AND INDICATION DEVICES
- BSL240-I - control panel for addressable field devices
- START-I - control panel for fire extinguishing
- BU32-I - Indication unit

#### CALL POINT
- IPR-I - intelligent manual call point
150 000 INSTALLATIONS - 7 MILLION WIRELESS DEVICES SOLD!

PROJECTS IN RUSSIA:

- Tretyakov Art Gallery
- Peter the Great Hospital
- «Four Seasons» Hotel
- «Uralmashzavod»
- Kursky Railway Station
- «Patriot» park
- Rostov-on-Don airport
- Naval Cathedral in Kronstadt
- Vnukovo airport

INTERNATIONAL PROJECTS*:

- Houses of Parliament, UK
- The Queen’s Castle in Scotland
- Cambridge university
- Circus Du Soleil
- Opera Royal de Wallonie, Liege, Belgium
- Angelbuilding office center
- Wimbledon tennis club
- Eton University
- Edinburgh Palace

*these projects were installed using wireless technology designed by Argus Spectrum International

www.argusspectrum.com