Q: WIRELESS FIRE SYSTEM?
A: STRELETZ-PRO

7000000 wireless fire detectors sold worldwide
150000 installations worldwide

- made for EUROPE
- certified by LPCB/BRE
- certified by IMQ

Assessed to ISO 9001:2015
Cert/LPCB ref.1571
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. In 2018 Argus Spectrum International established an office in Savonlinna Finland to develop its market-leading wireless technology throughout Europe and the International markets. Our products have a proven record of performance, quality, and reliability with more than 100,000 systems installed worldwide.

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 newly constructed Medical Academy in Saint Petersburg incorporating more than 20,000 wireless devices.
ABOUT THE SYSTEM

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.

Automatic reconfiguration of communication routes
- Unavailable communication route
- Shortest redundant route
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.

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.

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.

CRYPTOGRAPHIC PROTECTION

128-bit cryptographic protection.

Hacking immunity.

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.

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

**FIRE DETECTORS**

**ARG-WL8-O**
Wireless optical smoke detector explosion-proof version

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

**ARG-WL8Ex-O**
Wireless intrinsically safe smoke detector

**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
- **Explosion proof version:** heat detector ARG-WL8Ex-H
  Explosion proof rating - 0ExIIIT6.

**ARG-WL8Ex-H**
Wireless intrinsically safe heat detector
ARGUS SPECTRUM 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
Explosion proof rating - 0ExIIIT6.

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

FIRE DETECTORS WITH BUILT-IN ANNUNCIATOR

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
ARGUS-WL8-OV wireless optical smoke detector with built-in voice 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-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

**ARG-WL8-V**
Wireless voice annunciator

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

**FEATURES:**
- Voice synchronization with other annunciators
- 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

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
**SYSTEM STRUCTURE**

### INDOOR AND OUTDOOR POSITIONING

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

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

Positioning information displayed on a computer.

To watch the video, scan the QR-code!

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**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.

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**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: 0ExII6

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**BRASLET-PRO**

**Explosion-proof versions: BRASLET-PRO-Ex**

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.

**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

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**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
**ARI-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

**ARI-WL8-EXP**  
Wireless expander module  

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

**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 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  
- 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 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  
- 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

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**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>Feature</th>
<th>ARG-WL8-XXX</th>
<th>ARI-WL8-XXX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-healing mesh</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Battery life</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Activation delay</td>
<td>3 sec</td>
<td>3 sec</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>-30°C to +50°C</td>
<td>-30°C to +50°C</td>
</tr>
<tr>
<td>Communication range</td>
<td>1200 m</td>
<td>300 m</td>
</tr>
<tr>
<td>Capacity of system</td>
<td>1920*</td>
<td>32</td>
</tr>
</tbody>
</table>

* In case of connecting the translator to a control panel via Vega protocol the capacity of system is limited by 240 devices

**SYSTEM STRUCTURE**
CERTIFICATES OF CONSTANCY OF PERFORMANCE ACCORDING TO EN 54

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

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

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. Streletz-PRO is a fully scalable system that can be expanded by the addition of fire detection, security alarm, and intrusion detection systems. The system can be wireless based, or a hybrid combination of wired and wireless dependant on the customer’s needs.

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.

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 translators, 50 wireless output modules and 60 wireless manual call points.

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
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.
### WIRELESS

<table>
<thead>
<tr>
<th>FIRE DETECTORS</th>
<th>INTRINSICALLY SAFE DEVICES</th>
<th>INTELLIGENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARG-WL8-O - wireless optical smoke detector</td>
<td>ARG-WL8Ex-O - wireless intrinsically safe smoke detector</td>
<td>AURORA-Di - intelligent optical smoke</td>
</tr>
<tr>
<td>ARG-WL8-OS - wireless optical smoke detector</td>
<td>ARG-WL8Ex-OH - wireless intrinsically safe multi criteria detector</td>
<td>AURORA-Di v.2 - intelligent combined detector</td>
</tr>
<tr>
<td>ARG-WL8-FL - wireless flame detector</td>
<td>ARG-WL8Ex-FL - wireless intrinsically safe flame detector</td>
<td>AURORA-3P - handheld programming unit</td>
</tr>
<tr>
<td>ARG-WL8-BS - wireless beam smoke detector</td>
<td>IPR-PRO-Ex - wireless manual intrinsically safe call point</td>
<td>AURORA-DTI v.2 - intelligent combined detector with short-circuit isolator</td>
</tr>
</tbody>
</table>

| INPUT / OUTPUT MODULES                               | ANNUNCIATORS                                                     |
|------------------------------------------------------|------------------------------------------------------------------|-------------|
| ARG-WL8-IN - wireless single input module            | ARG-WL8-CP - wireless call point                                  | SIRENA-I - sounder |
| ARG-WL8-OUT - wireless single output module          | ARG-WL8-EXP - wireless call point                                 | AURORA-3P - intelligent combined detector with short-circuit isolator |

### CONTROL PANELS AND INDICATION DEVICES

| CONTROL PANELS                                       | FIRE DETECTORS                                      |
|-------------------------------------------------------|-----------------------------------------------------|-------------|
| ARI-WL8-XXX series                                   | START-I - control panel for fire extinguishing       |
| ARI-WL8-TRV - wireless translator module              | BSL240-I - control panel for addressable field devices |
| ARI-WL8-EXP - wireless expander module                | PS-I - control unit with a keypad                    |
| ARI-WL8-OS - wireless optical smoke detector          | BU32-I - Indication unit                              |
| ARI-WL8-HS - wireless heat detector with built-in sounder | AURORA-DI v.2 - intelligent heat detector with short-circuit isolator |
| ARI-WL8-FL - wireless flame detector                  | AURORA-DTI - intelligent heat detector                |
| ARI-WL8-BS - wireless beam smoke detector             | AURORA-DTI v.2 - intelligent combined detector with short-circuit isolator |
| ARI-WL8-BS1 - wireless beam smoke detector            | AURORA-3P - handheld programming unit                |
| ARI-WL8-BS - wireless beam smoke detector             | AURORA-3P - handheld programming unit                |
| ARI-WL8-CP - wireless call point                      | AURORA-3P - handheld programming unit                |

### ANNUNCIATORS

| ARI-WL8-CP - wireless call point                      | ARG-WL8-N - wireless light indicator                   |
|-------------------------------------------------------|-------------------------------------------------------|-------------|
| ARI-WL8-OS - wireless optical smoke detector          | ARG-WL8-N - wireless light indicator                   |
| ARI-WL8-SND - wireless sounder                        | ARG-WL8-N - wireless light indicator                   |
| ARI-WL8-CP - wireless call point                      | ARG-WL8-N - wireless light indicator                   |
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*:

- The Queen’s Castle in Scotland
- Cambridge university
- Edinburgh Castle
- Circus Du Soleil
- Opera Royal de Wallonie, Liege, Belgium
- Angelbuilding office center
- Wimbledon tennis club
- Eton University
- Hotel Hilton Liverpool

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

www.argusspectrum.com