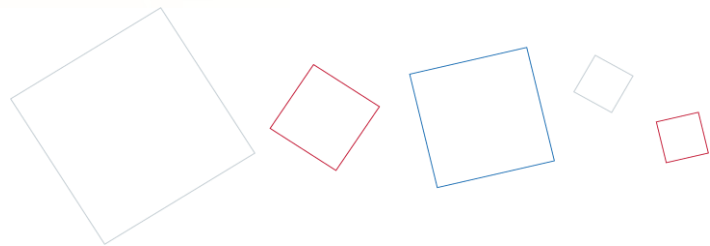# Wireless Fire Alarm Detection

natron

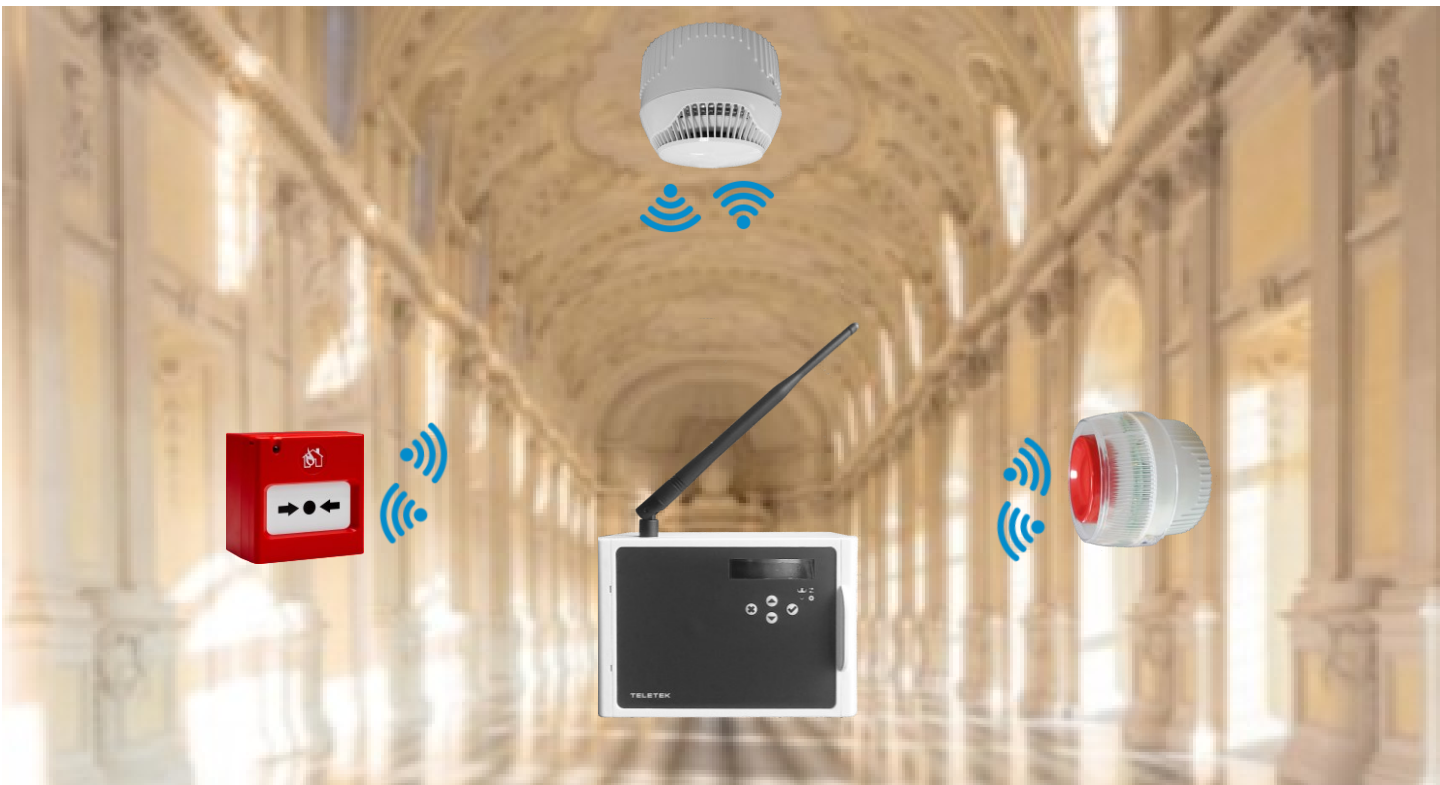**Flexible wireless fire detection and alarming system**

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We combined the knowledge that we've gained over the years of experience in the field of wireless technologies, used by our intruder alarm solutions, with the professional approach of our fire systems, in order to create a wireless fire solution that provides the same high levels of reliability and life safety provided by a standard wired system, alongside the superior flexibility of wireless technology.

Natron is a series of wireless fire devices, designed according to the latest European standards and requirements.

Natron devices can be used in combination with the standard wired devices to create a hybrid fire alarm solution, or the installer could even decide to use wireless devices only in order to provide a complete wireless detection and alarming solution.

Natron series requires no special tools, programs or PC connections to program or commission. Natron WE gateway module has its own built-in interface which is used for adding devices, deleting devices and even checking the device signal coverage. A special test kit, which contains a gateway module and a detector, can help you conduct a site-survey and plan the wireless installation according to the environmental specifics.

Applications:

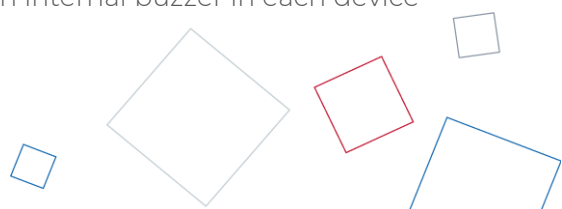| Heritage monuments | Historic buildings | Religious buildings | Expansion to existing installation | Temporary installations | Hybrid Systems |

Wireless device integration and control now is more flexible than ever before with Natron Series – allowing hardwired and wireless detection technologies to co-exist seamlessly. Natron series provides both – conventional and addressable gateway modules. You could make any Teletek Electronics JSC addressable(Simpo and iRIS4/8) or conventional(MAG panels) system a hybrid installation with Natron range of devices. The conventional Natron solution is also compatible with any conventional fire panel on the market.

You can use up to 5 wireless gateway modules per installation and up to 32 wireless devices per expander, giving a total of 160 wireless devices per system. The radio coverage between the wireless devices and the gateway module reaches up to 1,5 km in an open area, which allows you to spread the devices comfortably depending on the site specifics.

FEATURES AND BENEFITS:

- Flexible wireless fire detection integration and control

- Integration to any Teletek Fire Alarm Panel – addressable and conventional

- Wireless detectors with built-in 85db buzzer

- Easy programming with few basic menus

- Bi-directional wireless communication

- Wireless expander directly on the loop/ zone

- Up to 5 wireless expanders per building

- Up to 32 wireless devices per expander

- Up to 160 devices per system

- Two communication paths to each wireless device - 2 frequency channels / one for back up

- Up to 1500m free air communication range

- Up to 10 years average battery life for wireless detectors

- Up to 8 years battery life for wireless sirens

- Tamper switch

- Wireless signal coverage menu

- Radio coverage test in each device

- Build-in internal buzzer in each device

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ADDRESSABLE SYSTEM WITH NATRON WE-A GATEWAY

The Natron Wireless Fire Detection Series can be integrated with our addressable fire systems directly on the loop. Each wireless device receives a separate address and it could be managed by the iRIS panel, just like any other addressable device in the system.
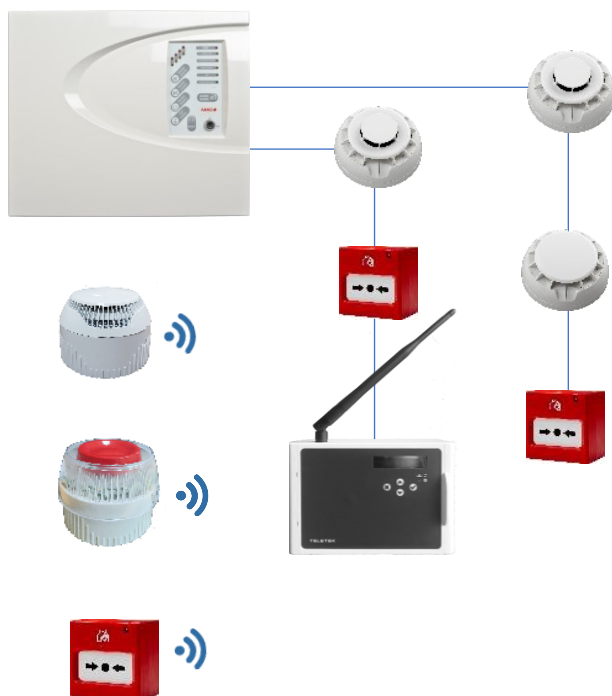
Natron WE-A

- Wireless network gateway module for addressable panels

- Compatible for operation with Teletek Addressable fire alarm panels

- Built-in isolator

- Loop powered

- Up to 32 NATRON series wireless devices enrolled to a gateway module

- Dipole antenna, SMA connector type

- LCD display, dot matrix 16x2

- Multilanguage menus

EN 54-18
EN 54-17
EN 54-25

CONVENTIONAL SYSTEM WITH NATRON WE- C GATEWAY

Natron series is fully compatible with Teletek MAG Series conventional panels, or any other conventional fire panel on the market. The gateway module is getting connected directly on the conventional zone terminal of the panel, by means of hardwire input/output connection.

Natron WE-C

EN 54-18
EN 54-25

- Wireless network gateway module for conventional panels
- Compatible for operation with MAG series fire alarm panel
- Direct connection to conventional zone terminal
- Specially designed for extending the application of conventional fire alarm panels
- Up to 32 NATRON series wireless devices enrolled to a gateway module
- Dipole antenna, SMA connector type
- LCD display, dot matrix 16x2
- Multilanguage menus

Wired and wireless devices

Natron TD - Fixed temperature and Rate of Rise detector

- Class* (selectable from panel/module menus) - A1/R, A2/S
- Up to 1500m communication range with the gateway module
- Built-in buzzer for announcing of events - sound volume 80dB/1m
- Radiated power ≤ 20 mW
- Batteries: 2 x CR123A 3V
- ~ 10 years battery life

EN 54-5
EN 54-25

Natron SD - Optical-smoke detector

- 4 sensitivity levels (selectable from panel/module menus)
- Up to 1500m communication range with the gateway module
- Built-in buzzer for announcing of events - sound volume 80dB/1m
- Radiated power ≤ 20 mW
- Batteries: 3 x CR123A 3V
- ~ 10 years battery life

EN 54-5
EN 54-25

Natron MD - Combined temperature and optical-smoke detector

- Class* - A1/R
- 4 sensitivity levels (selectable from panel/module menus)
- Up to 1500m communication range with the gateway module
- Built-in buzzer for announcing of events - sound volume 80dB/1m
- Radiated power ≤ 20 mW
- Batteries: 3 x CR123A 3V
- ~ 10 years battery life

EN 54-5
EN 54-7
EN 54-25

Natron WSS - Wall mount sounder and strobe

- Two sound levels - LOW: 74-86dB; HIGH: 77-97dB
- 32 tone types (selectable from panel/module menus)
- Up to 1500m communication range with the gateway module
- Radiated power ≤ 20 mW
- Batteries: 4 x CR123A 3V
- ~ 8 years battery life
- IP31, type A
- Coverage volume: Open class

EN 54-3
EN 54-23
EN 54-25

Natron MCP - Manual call point

- Up to 1500m communication range with the gateway module
- Type of the working element - resettable (flexible)
- Type (according to EN 54-11) - A
- Radiated power ≤ 20 mW
- Battery: 1 x CR123A 3V
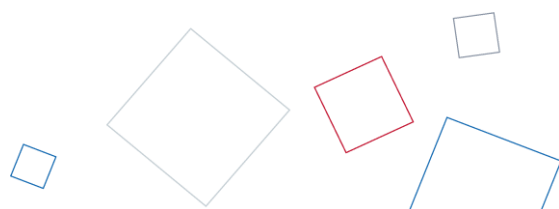- ~ 10 years battery life
- IP40

EN 54-11
EN 54-25

Natron MCP-PB - Manual call point

- Up to 1500m communication range with the gateway module
- Working element (2 parts): frangible (a break glass) and operating (a button)
- Type (according to EN 54-11) - B
- Radiated power ≤ 20 mW
- Battery: 1 x CR123A 3V
- ~ 10 years battery life
- Special key for opening
- Auto-reset at door closing

EN 54-11
EN 54-25

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