



ALERTEX

WIRELESS CRITICAL ALERT

WIRELESS CRITICAL ALERT SYSTEM

| LOCKDOWN

| FIRE ALERT

| EXCLUSION ZONE

| PERIMETER ALARM

| POOL ALARM

Rapidly Deployable & Fully Portable

Robust, battery powered and completely wireless, the Alertex critical alert system is a flexible solution for a multitude of alarm requirements.

Alertex is a versatile wireless critical alert system, designed to provide a clear warning to an event requiring action. The system boasts an impressive 1km line of sight wireless transmission range between units and a long battery life of up to 3 years, with a maximum of 64 various units operating on one site. Each Alertex unit acts as a repeater to form an advanced wireless mesh

network, allowing for up to 16 mesh 'hops' between units; this gives the Alertex system a maximum range of up to 16km.

The Alertex system can be reset manually using the reset key on a master Alertex unit. Alternatively, the system can be monitored and controlled from one central location



by using the Alertex PC app with a Genesis IP Masthead Receiver. Several tests can be initiated via the app, and email alerts can be set up so that separate email groups can be notified under defined circumstances in the event of an activation.

Alertex units can either enunciate a bespoke message which can be customised at the time of ordering, or sound one of 32 simple alert sounds.

The annunciator / sounder is paired with a visual flashing beacon light. The decibel level of the annunciator /sounder can be adjusted to suit the environment. Alertex units are available in both internal and external options, with external units featuring a robust IP66 weather rating.

External cages can be added to protect units from flying objects and debris.

Why should you choose the Alertex system by Luminite?

- The Alertex system operates on the same low-power wireless protocol as our prestigious range of Genesis PIR detectors and receivers. The superb 1km transmission range and ability for the signal to hop up to 16 times across its own mesh network enables the Alertex system to be fitted in even the most challenging situations and remain completely reliable. Smart power-saving technology reduces maintenance costs by providing Alertex units with up to 3 years of battery life.
- Wiring is a massive investment, costing large amounts of time and money for installers. As the Alertex system is completely wireless and battery powered, it requires no civil works and can be installed quickly and easily. Units are fully portable and can easily be moved between sites without extensive re-wiring, making it a highly cost-effective and flexible system to have in place compared to a rigid and expensive wired alert system.
- The broad range of Alertex units allows to you create a custom alert system for a variety of applications. As it operates on the Genesis wireless protocol, the Alertex system can also be used in conjunction with Genesis PIR detectors and Boundary Shield IR Beams. Outputs allow for units to activate access control points to automatically close and lock in a lockdown procedure.
- Luminite are specialists in PIR detection, wireless switching, IP connectivity and wireless alert systems. We have been designing and manufacturing products from our North London based factory for over 37 years and possess extensive experience in both the security and home automation markets.



NXICSB & NXECSB

- The Alertex call-point with sounder / beacon is a staple in any setup. When the call-point button on the unit is pressed, all units on the same site will be activated. The master variant is fitted with a master reset key which will deactivate the Alertex system. The sounder with built-in strobe gives a choice of 32 different alert sounds with decibel levels adjustable up to 117 dB. External units have an IP66 weather rating and are both water and dust resistant. Units fitted with a master key are used to reset the entire Alertex system post-activation.
- Available in Red, Blue or Yellow
- Also available as Master unit with reset key



NXISB & NXESB

- The Alertex sounder / beacon can play one of 32 different alert sounds upon activation and is paired with a visual flashing beacon. The unit features no call point and is activated when a call-point, keyfob or smoke / heat detector on the same site is triggered. The volume of the sounder is adjustable up to 117 dB.
- Available in Red, Blue or Yellow
- Also available as Master unit with reset key



NXICP & NXECP

- The Alertex Call-Point only has a master reset key and contains no circuitry. It is designed to be wired directly into a Alertex sounder/beacon or annunciator/beacon unit, allowing the button to be positioned according to the user (for example, a person using a wheelchair would require the call-point to be placed lower so that they could reach it comfortably).
- Available in Red, Blue or Yellow



NXICP1 & NXECP2

- The Alertex Call-Point only has a master reset key and acts as a transmitter. It is battery operated and can be used as part of a wireless system with a maximum transmission range of 1km line of sight. The call-point only requires no wires or cabling making it a good option, for example, for use as a panic button in an office.
- Available in Red, Blue or Yellow



NXFOB

- The Alertex dual button keyfob acts as a portable call point and activates the Alertex Wireless Alert system when both buttons are pressed and held for 4 seconds; this helps to avoid false activation. Users must be within 100 metres of the standard Alertex alerts. The LED light on the fob shows the status of the device when transmitting. A lanyard with a breakaway clip is supplied with the unit so that it may be worn around the neck and accessed easily in case of a lockdown situation.



NX-SMOKE & NX-HEAT

- The NX Smoke and Heat detectors are battery-operated and fully wireless, designed for use with the Alertex Wireless Alert System. They feature a sealed-in battery with up to 10 years of battery life and have a wireless transmission range of 100m. When the units detect either heat or smoke, they will activate Alertex units on the same site.



GENESIS 1 - LGWP

- The Genesis 1 wireless PIR detector makes the perfect addition to any perimeter alarm setup. The sophisticated signal processing and optics minimise nuisance alarms, whilst dual element pyros and mirror optics provide a much larger detection range without sacrificing accuracy.
- Genesis 1 is available in several different lens patterns, making it a highly versatile detector:

1520 15m x 20m medium wide 90° lens

4004 40m x 4m long narrow 1° lens

3020 30m x 20m long wide 90° lens with two dual element pyros

12HC 12m x 16m 100° horizontal curtain lens

12VC 12m x 15m 90° vertical curtain lens



GENESIS 2 - LG2WP

- The Genesis 2 wireless PIR detector is ideal for covert perimeter protection. The viewing angle can be adjusted by changing the position of the mirror, and the covert design of the unit hides which way the lens is pointed. The advanced black mirror optics and quad element pyro sensors provide highly responsive, accurate detections with excellent false alarm immunity.
- Genesis 2 has two available lens patterns for wide and narrow long-range detection:

3020 30m x 20m long wide range 90° lens

6004 60m x 4m long narrow range lens



BOUNDARY SHIELD

- Boundary Shield wireless IR beams fitted with Genesis transmitters provide point to point coverage, ideal for perimeter protection. The units feature a wireless transmission range of up to 1km and boast an impressive battery life of 3-5 years depending on usage.
- Boundary Shield beams are available in several options:

BSSL350QFRL 100m channel selectable quad beam

BSSL350QNRL 100m fixed channel quad beam

BSAX200TFRL 60m channel selectable dual beam



GENESIS IP MASTHEAD RECEIVER - LGIPMT434

- In order to monitor and control Alertex units via the Alertex PC App or PC app, the Alertex system must be used with a Genesis IP Masthead Receiver unit. The masthead is connected via an ethernet cable and sends and receives data over IP.
- Using the PC app or PC app, the masthead can relay which units have been activated, clear alerts or activate the system, monitor unit health and initiate testing, as well as send email notifications to three separate email groups.



NX-GSM

- The NX-GSM is a plug-in 2G modem that can turn any Alertex unit into a portable masthead receiver, ideal for sites where it would be inconvenient to wire-in a stationary Genesis IP Masthead. The NX-GSM requires an active SIM card and data plan in order to send and receive signals.



GENESIS WALK-TEST INSTRUMENT - LGWT434

- The Genesis Walk-Test instrument can be used to determine signal strength from the masthead receiver unit to proposed Alertex positions. This tool helps the installer to set-up unit positioning easily before installing the Alertex units. It is battery powered and rechargeable.



NX-TRIPOD

- The tripod can be used to mount Alertex units that are to be used in temporary positions, allowing units to be rapidly deployed to an area requiring exclusion where the units cannot be easily affixed to a wall. An example of this would be several mounted Exclusion Zone sounder/beacon units positioned around an oil spill where there is no wall to fix the unit to.



LOCKDOWN

Visually and audibly distinct from a fire alert unit, designed to provide a clear warning to an event requiring Lockdown.

- Alertex Lockdown units are designed to minimise disruption and confusion during events requiring lockdown by providing a clear warning which is easily distinguishable from a fire alert. The Lockdown system complies with Ofsted lockdown procedure guidelines that fall in line with advice from the National Counter Terrorism Office, which state that 'the use of fire alarms should be avoided to reduce incorrect responses to an incident'.
- Blue Lockdown units are easily identifiable from red fire alerts. They can enunciate a bespoke message upon activation or sound one of 32 different alert sounds. Both variants are paired with a blue flashing strobe light. The adjustable decibel level makes Alertex lockdown suitable for both indoor and outdoor use.
- The Lockdown system is not limited to academic environments and can also be deployed to a variety of sensitive locations, including places of worship, shopping centres or office buildings.
- The Alertex keyfob acts as a mobile panic alert button. When both buttons are pressed and held for 4 seconds within 100m of a Alertex unit, the keyfob can activate all units on the same site.
- Additional Alertex call-points can be wired directly into an annunciator or sounder/ beacon unit which allows it to be accessed from a lower position. The wireless variants are battery-powered and are a good option for use as a panic button in an office, with the twist-button variant able to reset the system post-activation.
- The outputs on Alertex units can activate access control points in order to automatically close and lock in a lockdown procedure.
- The Alertex PC app is a particularly supportive tool as it quickly alerts a central office to the location of the activated call-point. Email alerts enable key staff to be kept informed of the severity of the lockdown event, and activated units can be reset easily.



NXICP-BM



NXICP1-BM



NXFOB



NXICSB-B



NXISB-B

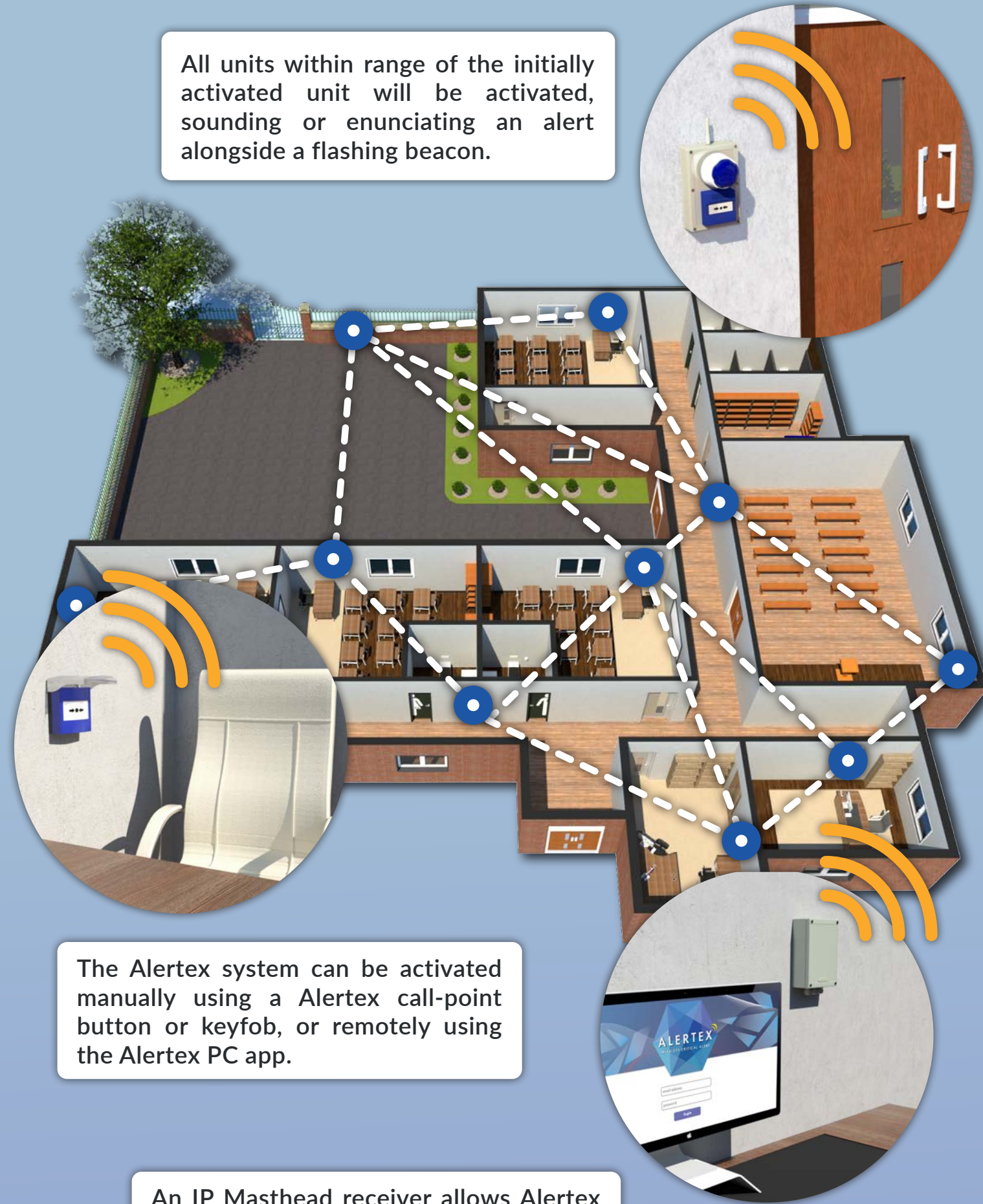


LGIPMT434

* NXICP-BM contains no circuitry

SCHOOL SCENARIO

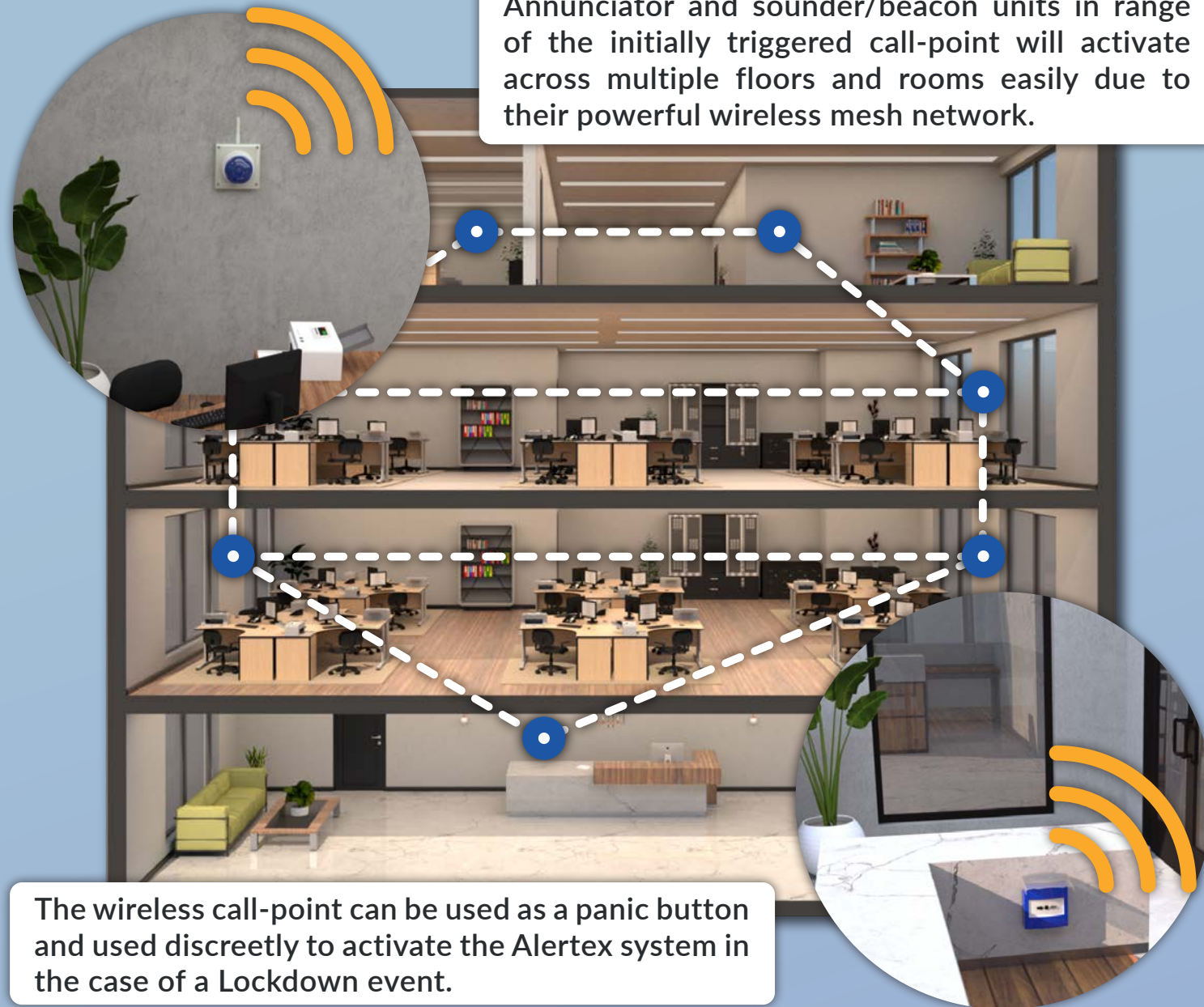
All units within range of the initially activated unit will be activated, sounding or enunciating an alert alongside a flashing beacon.



The Alertex system can be activated manually using a Alertex call-point button or keyfob, or remotely using the Alertex PC app.

An IP Masthead receiver allows Alertex units to be monitored and controlled easily via the Alertex PC app from a central location, such as the main office.

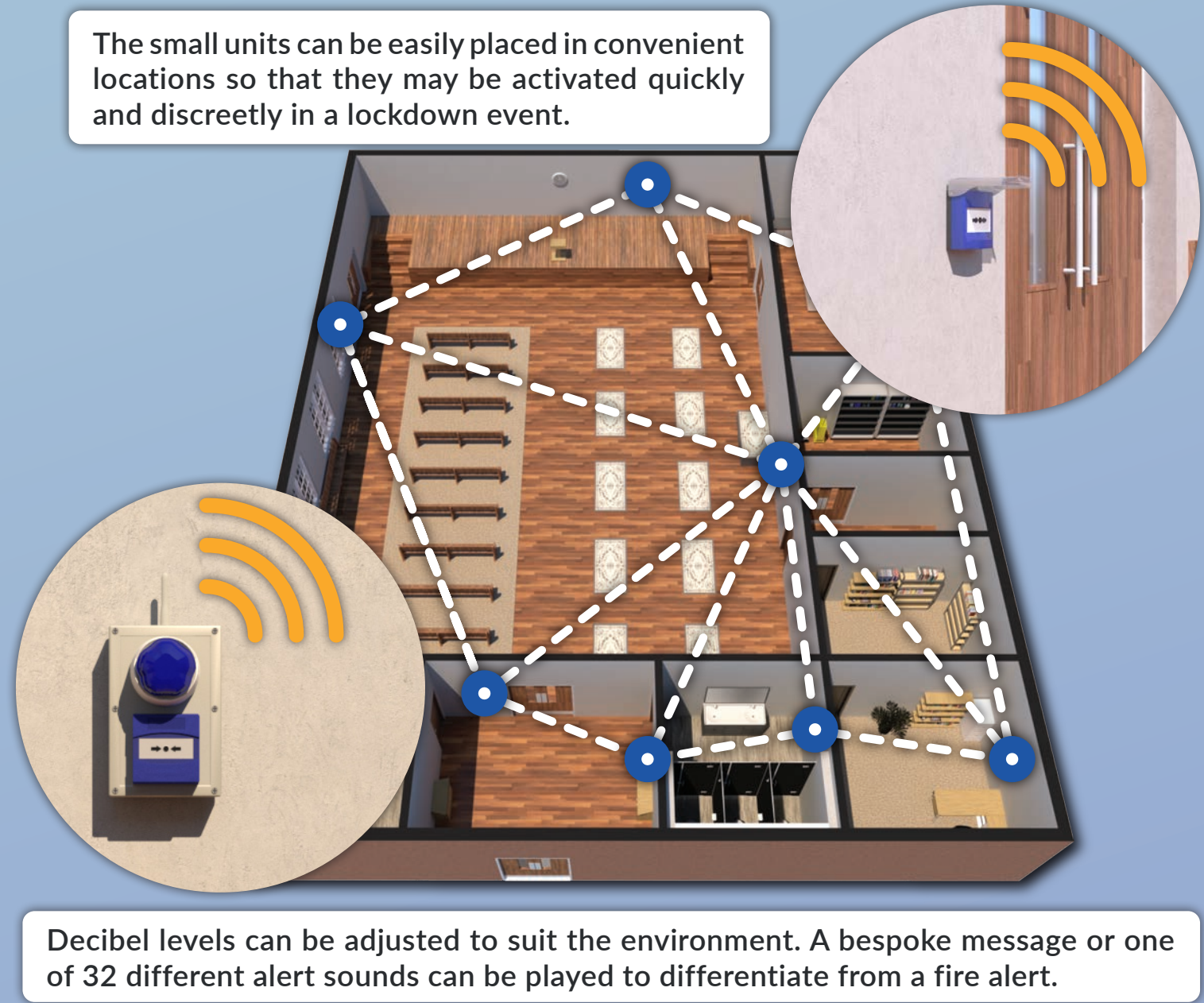
OFFICE BUILDING SCENARIO



Annunciator and sounder/beacon units in range of the initially triggered call-point will activate across multiple floors and rooms easily due to their powerful wireless mesh network.

The wireless call-point can be used as a panic button and used discreetly to activate the Alertex system in the case of a Lockdown event.

PLACE OF WORSHIP SCENARIO



The small units can be easily placed in convenient locations so that they may be activated quickly and discreetly in a lockdown event.

Decibel levels can be adjusted to suit the environment. A bespoke message or one of 32 different alert sounds can be played to differentiate from a fire alert.

An additional layer of security for office buildings looking to implement their own independent lockdown procedures.

- For use in office buildings, particularly those on a traditional business park where the overall security of the local area is outside the company's control.
- Companies may wish to instigate a lockdown in response to a suspicious person or vehicle in the immediate area or an on-going security incident on the business estate.
- In this instance a master unit with call point would be sited in the reception area with call points and sounder/strobes strategically placed around the building.
- Outputs allow for units to activate access control points to automatically close and lock in a lockdown procedure.

A simple security solution for vulnerable institutions that provides clear direction in the event of a malicious attack.

- Many places of worship can find themselves vulnerable to acts of malicious assaults. Such institutions feel particularly threatened but still wish to maintain an open-door policy to encourage prayer.
- Alertex lockdown units can be strategically placed just inside the perimeter so that they can be quickly and safely activated when required.
- Key staff can also utilise the mobile panic alert keyfob which when triggered will activate Alertex units within range.

FIRE ALERT

A robust and clear alert to fire, ideal for temporary or evolving sites that require a rapidly deployable and portable system.

- The Alertex Fire Alert system has been designed specifically for use on temporary or evolving sites and complies with current HSE Fire Safety Guidelines (HSG168) which state that legally, construction sites must have an audible and visual alert to fire.
- The UK construction industry is governed by several laws, guidelines and codes of practice including the Construction (Design & Management) Regulations 2015 (CDM), the Regulatory Reform (Fire Safety) Order 2005 and the BS5839-1 Fire Detection and Fire Alarm Systems for Buildings directive. These set out fire safety requirements for the construction industry with each one specifying an appropriate fire alert system for rapid evacuation in the case of fire or malicious activity.
- The red, easily identifiable units require no wires or cabling and are fully portable, allowing them to be quickly installed on a construction or temporary site and easily moved around as the site evolves. The robust, wireless transmission capabilities of the Alertex system and sophisticated use of a mesh network allows

Alertex to operate on even the most difficult and busy of sites easily and reliably.

- Decibel levels of the sounder can be adjusted up to a maximum of 117 dB and external units have a durable IP66 weather rated enclosure. For additional protection from falling debris, Alertex units can be fitted with external cages.
- As an additional level of security, a Genesis IP Masthead Receiver can be added to the Alertex system, which allows it to be monitored and controlled from one central location, such as the site office, using the Alertex PC app or PC app. This allows the Site Manager to quickly see which unit has been activated, clear alarms, initiate test alerts, and send out emails to 3 separate email groups.
- Wireless smoke and heat detectors can be added to the system which will activate the Alertex units automatically in the event of a fire. The smoke and heat detectors boast a 10-year battery life and operate within 100m of any Alertex annunciator or sounder/beacon unit.



NXECP-RM*



NXECP1-RM



NX-HEAT



NX-SMOKE



NXECSB-R



NXESB-R

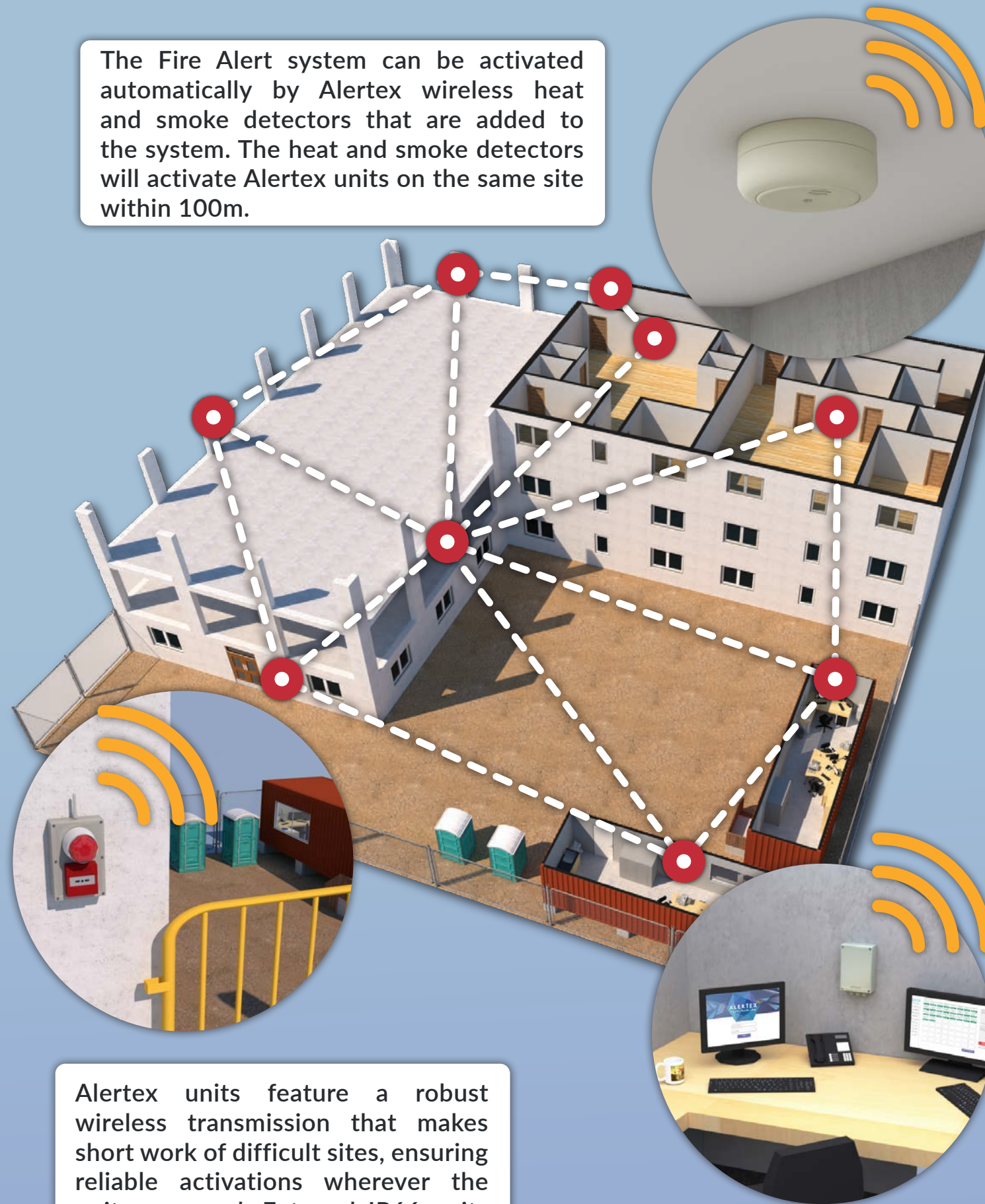


LGIPMT434

* NXICP-RM contains no circuitry

CONSTRUCTION SITE SCENARIO

The Fire Alert system can be activated automatically by Alertex wireless heat and smoke detectors that are added to the system. The heat and smoke detectors will activate Alertex units on the same site within 100m.



Alertex units feature a robust wireless transmission that makes short work of difficult sites, ensuring reliable activations wherever the units are used. External IP66 units can be fitted with cages to protect them from flying debris.

The system can be monitored and controlled from a central location by using the IP masthead in conjunction with the powerful Alertex PC app.

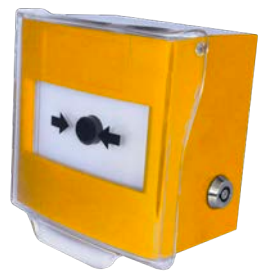
EXCLUSION ZONE

Helps to keep workers and the general public safe by providing an alert to hazardous areas, clearly distinct from a fire alarm.

- The construction industry is a major employer and accounts for around 7% of the UK workforce. There were 38 fatalities to workers and 6 to members of the public within the sector in 2017/18 and 58,000 injuries generally caused by falls, lifting equipment or being struck by a moving object. HSE reports these statistics as being much higher than in other sectors, so any system aimed at preventing accidents within the construction industry are welcomed.
- Alertex Exclusion Zone units act as a warning when an area becomes too dangerous for workers or pedestrians to enter. This can be due to spillage, moving vehicles, crane activity, workers at height or any other type of hazardous operation. The units can be rapidly deployed around a perimeter, and the system can comprise of wireless call-points and annunciator or sounder/strobes. Mobile keyfobs can be used to activate the Exclusion Zone units if used within 100m of a Alertex unit.
- The amber units are easily distinguishable from fire alerts which helps avoid disruption and confusion in the event of an activation. Sounder

units can play one of 32 different alert sounds, helping to make them audibly distinct from fire units. Annunciator variants can play a bespoke message that can be uploaded onto the unit using a plug-in module and pc console program. Alternatively, annunciator units can be supplied with a standard 'hazard warning' message.

- The Alertex Exclusion Zone units require no wires, cabling or control panel and are fully portable. They can be quickly installed and used on temporary sites and moved easily around as required. With up the 32 different site codes available, the Exclusion Zone system can be rapidly deployed to several hazardous areas at once with units only interacting with others on the same site code. This means, for example, that units surrounding a spillage would not interact with units surrounding a crane as long as the two hazards are designated to separate sites.
- Exclusion Zone units can be mounted onto a tripod, allowing them to be rapidly deployed to an area requiring exclusion where the units cannot be easily affixed to a wall.



NXECP1-YM



NXESB-Y



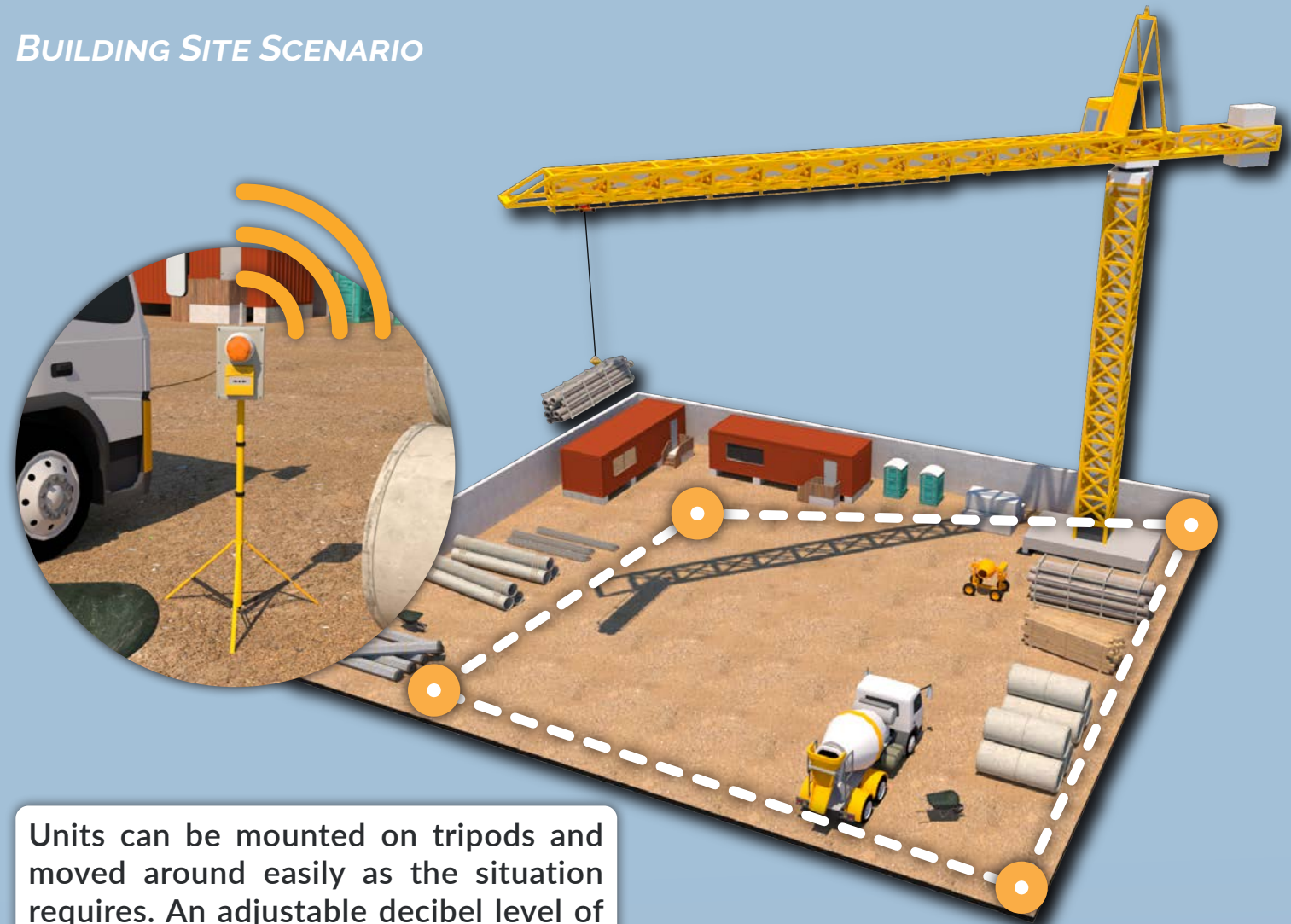
NXECSB-Y



NX-TRIPOD

** Alertex units available in Red, Blue and Yellow*

BUILDING SITE SCENARIO



Units can be mounted on tripods and moved around easily as the situation requires. An adjustable decibel level of up to 117dB and an IP66 weather rating makes them ideal for outdoor use.

WAREHOUSE SCENARIO



Call points quickly activate Alertex units on the same site to either play a bespoke message or one of 32 different alert sounds.

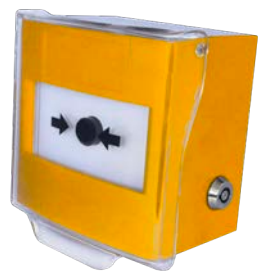
POOL ALARM

Aids lifeguards and leisure centre staff in summoning assistance during an emergency in line with their emergency action plan.

- The Alertex Pool Alarm system is made up of several call-points, strategically placed around the pool area, changing rooms and other areas where accidents might happen. These call-points can be activated by a lifeguard or staff member to raise a rapid response to someone in distress or any event requiring action. This system allows the lifeguard to concentrate on helping the individual in distress, safe in the knowledge that the alert has been sent to Reception so that further help can be arranged.
- The Alertex call-points are completely wireless but can be wired into an annunciator or sounder / beacon unit if a visual or audible alert is also required. Each call-point has a tamper-proof cover to deter misuse. Lifeguards or staff members can also wear a Alertex Mobile Panic Alert keyfob on a lanyard which will activate the Alertex system when used within 100m of a Alertex unit.
- No alarm panel is required in order to create a robust system; however, centres have the option to use the Alertex PC app as a means of monitoring and controlling the Alertex system. From the app, users can see which unit has been

activated so that they can organise additional help efficiently, as well as send out email or text alerts to key members of staff.

- Sounder / beacon units have a choice of 32 different alert sounds, whilst annunciator variants can sound a bespoke recorded message which can be used, for example, to signal an evacuation of the pool.
- The wireless call-points are housed in durable polycarbonate housings and are waterproof to a high IP66 standard. They feature a simple twist / push button for simple activation and system reset. The stainless steel backplate allows units to be quickly and easily affixed to a wall with flush or surface installation options. The Alertex system complies with HSE advice (HSG179) regarding the use of audible messages and visual beacons to alert staff and users to an emergency.



NXECP1-YM



NXESB-Y

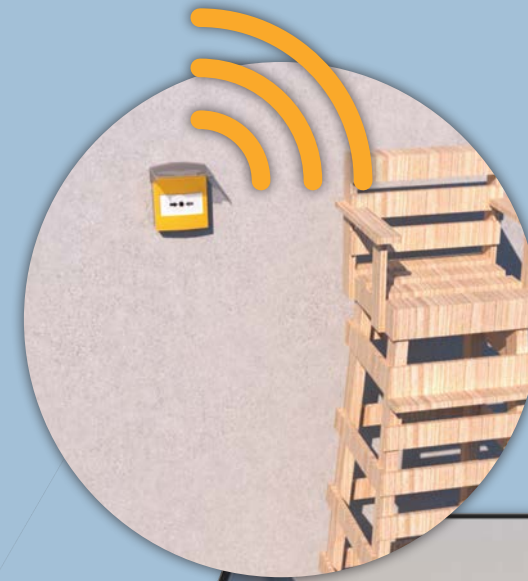


NXESB-Y



LGIPMT434

SWIMMING POOL SCENARIO



Wireless call points can be sited in several easily accessible positions, allowing key staff to summon assistance swiftly. Mobile panic alert buttons can also be worn and activate Alertex units within 100m.



External Alertex units are weatherproof to IP66 standard, making them ideal for use around a humid swimming pool.

The Alertex PC app allows key staff to quickly identify which call-point has been activated and arrange the correct assistance swiftly.

* Alertex units available in Red, Blue and Yellow

PERIMETER ALARM

Provides a first line of defence against intrusions using a combination of alerts, IR beams and PIR detectors.

- Robust perimeter protection is one of the most challenging scenarios for the security industry. The Alertex Perimeter Alarm system tackles these challenges head on by using a powerful combination of audible and visual alerts, IR beams and PIR detectors.
- Alertex units, Boundary Shield dual or quad IR beams and Genesis PIR detectors are all fitted with the same transceivers so that they operate on the same low-power wireless protocol. A variation of up to 64 of these products can be used wirelessly on the same site, ensuring that every location on a site is protected.
- When an IR beam or PIR detector is triggered, it will send a message to Alertex units up to 1km away to activate an audible and visual alert with an adjustable volume of up to 117 dB. The Alertex units operate on an advanced wireless mesh network, allowing the alert to hop up to 16 times, providing the Alertex system with a maximum range of up to 16km.
- When used with the plug-in NX-GSM 2G module, any main Alertex unit can act as a portable

Genesis Masthead Receiver, allowing the Alertex system and additional IR beams or PIR detectors to be monitored and controlled via the Alertex PC app.

- Boundary Shield IR beams and Genesis PIR detectors integrate with various third-party platforms and can, for example, be used in conjunction with PTZ cameras and site illumination which would provide a central monitoring station with an accurate representation of the event. Any intruder on the site will immediately know they have been detected via the audible and visual Alertex alert units.
- Alertex, Boundary Shield and Genesis units are fully wireless and battery-powered, making the Alertex Perimeter Alarm system rapidly deployable and fully portable. Units can be easily affixed to walls, fence panels, poles and even roofing. Tripods can be used to mount units if there are no fixings available. The robust wireless transmission between units allows the system to operate reliably, even on the most difficult sites.



LGWP



LG2WP



BOUNDARY SHIELD



NXESB-Y



NXESB-Y

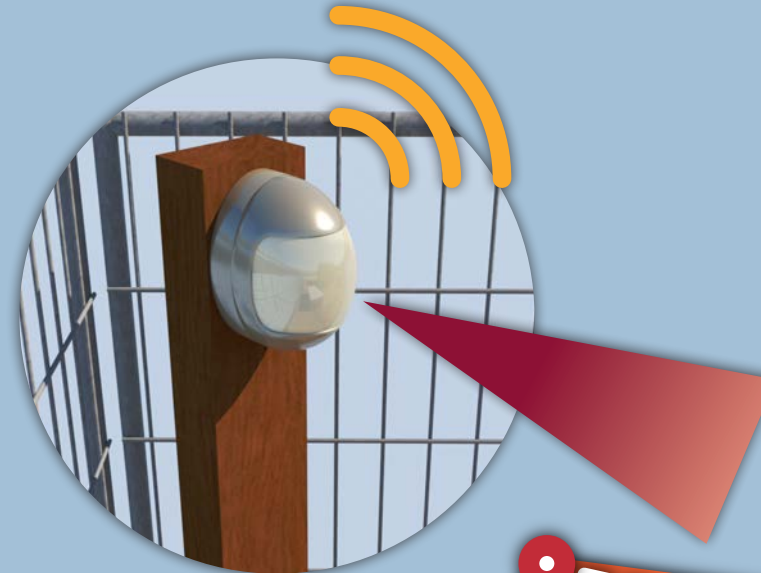


NX-GSM

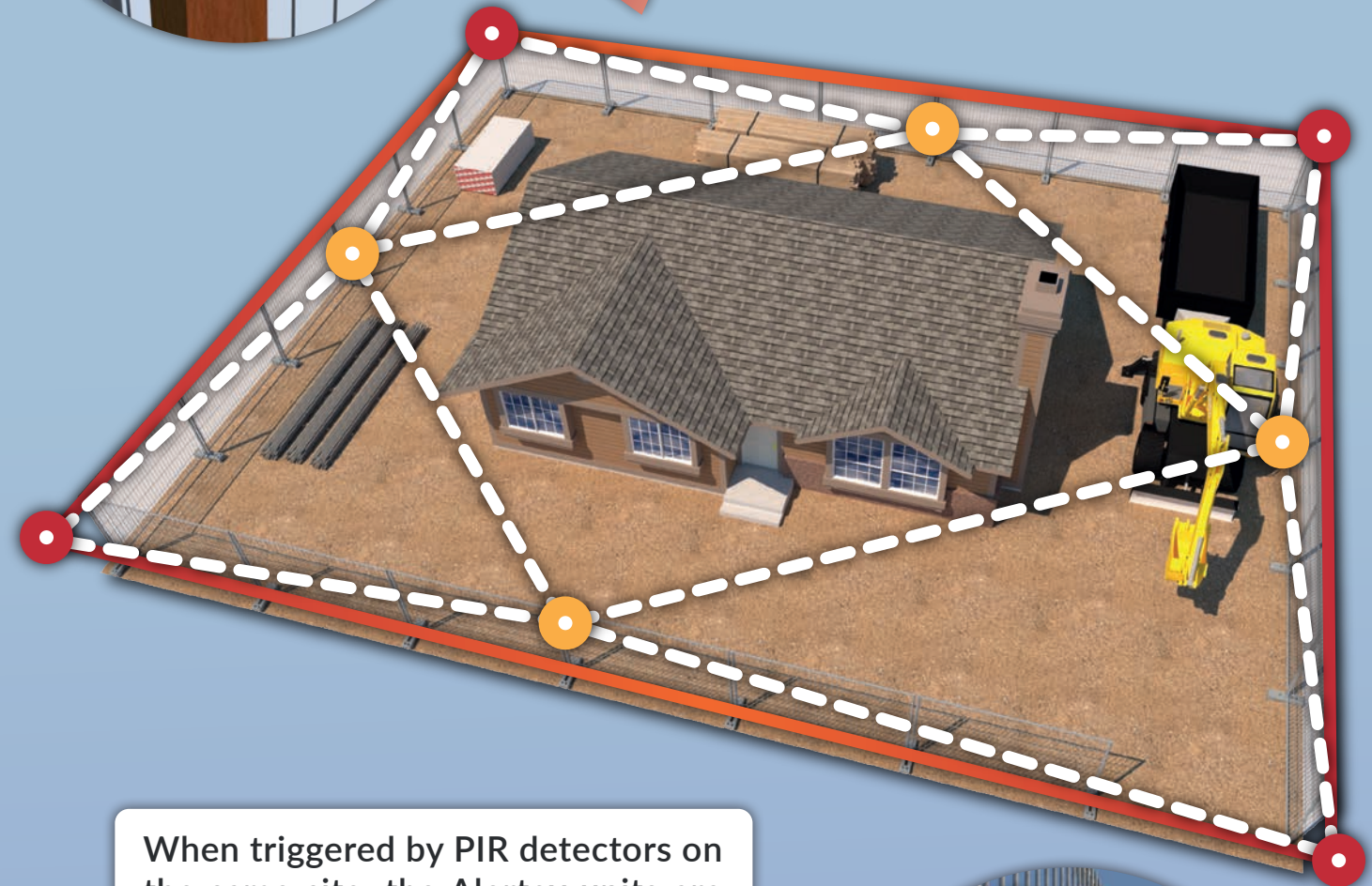


NX-Tripod

TEMPORARY SITE SCENARIO



Wireless Genesis PIR detectors and Boundary Shield IR beams create a robust detection perimeter around the site. Various detection patterns ensure that the site can be covered from any angle.



When triggered by PIR detectors on the same site, the Alertex units are activated and create an audible and visual alert to a site intrusion. When fitted with an NX-GSM 2G modem, the Alertex Perimeter Alarm system can be monitored and controlled via the Alertex PC app.



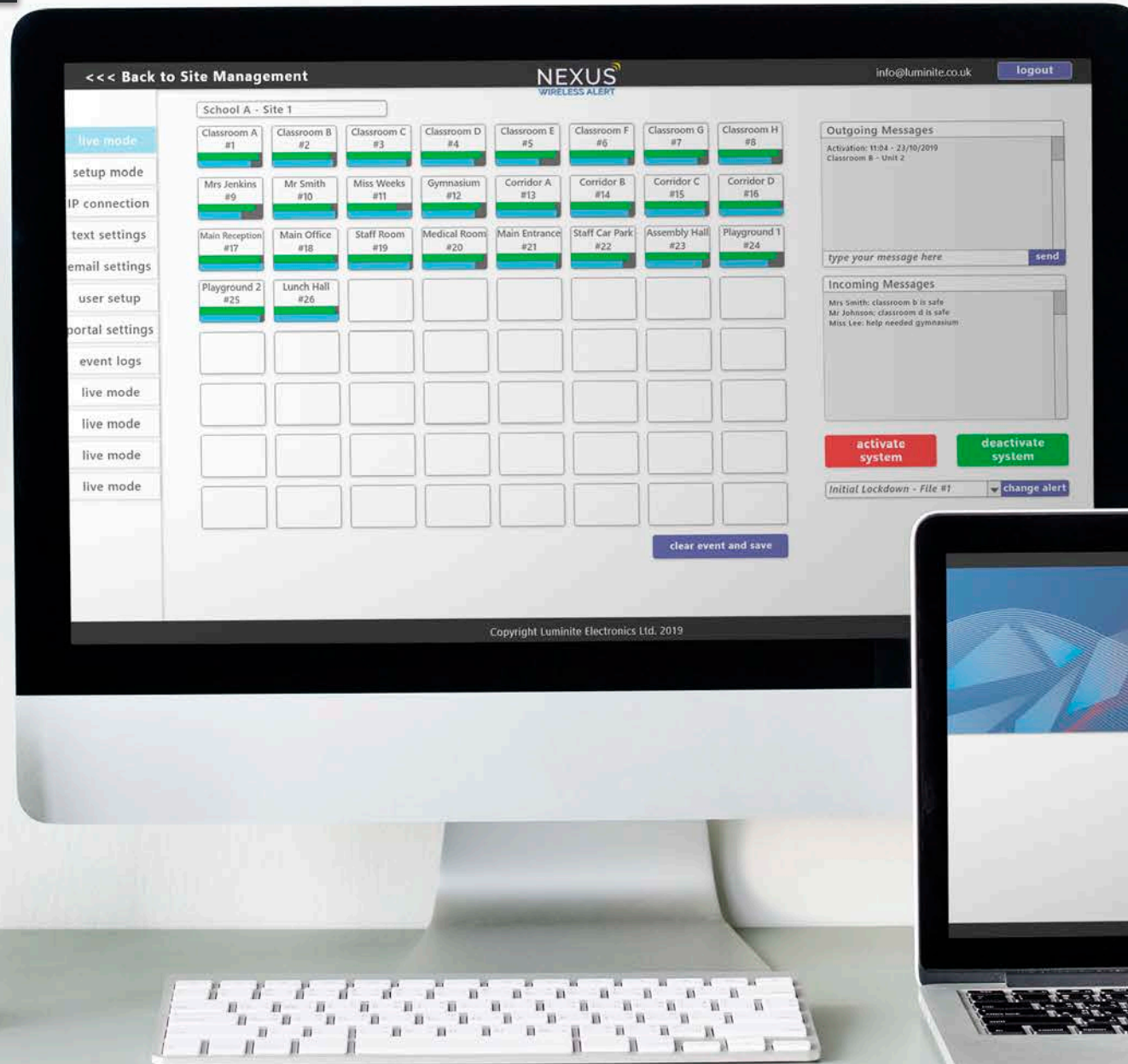
ALERTEX PC APP

The powerful PC App designed to monitor and control Alertex units, as well as send out email alerts to specified groups in the event of an activation.

- The Alertex PC App is a powerful tool that enables the Alertex system to be monitored and controlled from one central location when used in conjunction with an IP masthead receiver. The app is free to download from the Luminite website and is a standalone program, meaning that no installation is required.
- The PC app operates over the Local Area Network using the IP masthead and doesn't require an active internet connection to communicate with nearby Alertex units. Enabling 'Live Mode' stops the Alertex units from being edited whilst in use. Up to 64 Alertex units can be assigned to one site.
- Units can be tested in a variety of different ways within the Alertex tab of the PC app. A strobe only test is silent and is a good choice for testing units during working hours. Long tests and short tests cause sounder / beacon or annunciator / beacon units to flash their strobe as well as play an audible alert. The Alertex system can be deactivated remotely after an activation using the PC app.
- Emails alerts can be sent automatically after an activation to up to three email groups by logging into an SMTP server via the PC app. The conditions under which the alerts are sent, as well as the recipient email groups, can be configured in the Emails tab.



ALERTEX PC APP



The powerful online portal designed to monitor and control Alertex units, as well as send out email and text alerts.

- The Alertex PC app is a powerful tool that enables the remote monitoring and control of the Alertex system. Multiple users can be set-up with various permissions for an added level of portal security.
- In live mode, units will show their status, and flash red when they have been activated. The system can be activated and deactivated, and the message played by annunciator units

can be changed to one of the various sound files stored within the units.

- Text message alerts can be sent out to designated user groups, and received back from individual users, providing key staff members with vital information in the event of an emergency.
- Units can be added, edited, deleted and tested from the Setup page, which is only accessible to administrators.

- User groups can be configured from the Users page, allowing the administrator to decide which staff members receive text alerts and which receive email alerts and under what conditions. Text and email alerts can be configured in the Text and Email Settings pages.
- The Alertex portal requires at least one IP Masthead receiver, or one Alertex unit equipped with the plug-in NX-GSM 2G modem in order to connect to the Alertex cloud server. The network settings can be adjusted within the IP Configuration page. All past events and system logs are saved into the Event

Logs page and can easily be exported to Excel format.

- Administrators and operators can be assigned within the Portal Settings page. The Portal Settings page also allows the administrator to set-up sound files and assign the 'Site Type' which changes features depending on what the site is designed for, ie, a Perimeter Alarm site would have an arm / disarm feature for controlling PIR detectors and IR beams.



Luminite

WWW.LUMINITE.CO.UK/ALERTEX