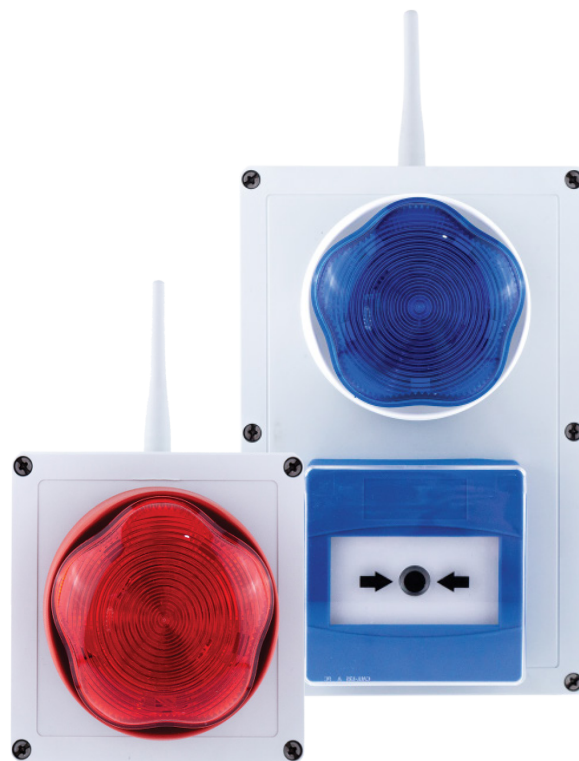# ALERTEX
WIRELESS CRITICAL ALERT SYSTEM

NXICSB/NXECSB
NXISB/NXESB

The ALERTEX Wireless Critical Alert system is a robust wireless alert solution that operates over a secure, wireless mesh protocol. It is battery operated and requires no wires or cabling. The units are portable and rapidly deployable.
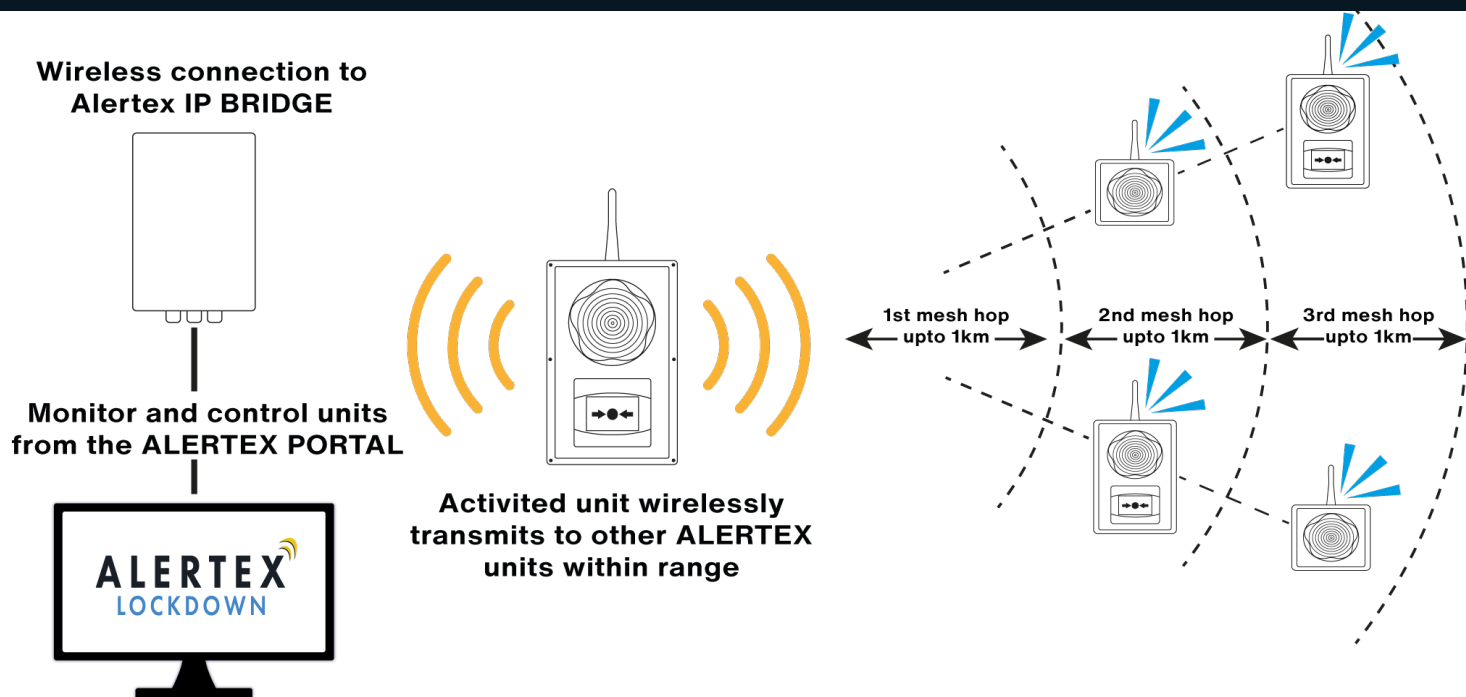
Up to 64 ALERTEX units can be used per site, with an impressive 1km line of sight wireless transmission range between units. Each unit acts as a repeater and the alert transmission can 'hop' up to 16 times across the mesh network, allowing the ALERTEX system to have a maximum line of sight range of up to 16km. ALERTEX units are highly energy-efficient and can last up to 2 years on a set of batteries.

The ALERTEX system can be used as a standalone system, comprising of one master unit and several slave units. The master unit features a master reset key the can be used the reset the system post-activation. The ALERTEX system can be monitored and controlled from one central location by adding in a Genesis IP Masthead to be used with the ALERTEX PC app. From the app, the ALERTEX system can be monitored, activated, and tested. Additionally, email alerts can be set up to be sent to 3 separate email groups in the event of an activation.

The ALERTEX Wireless Critical Alert system comprises two main variants: ALERTEX Fire Alert and ALERTEX Lockdown. ALERTEX Fire Alert is compliant with the latest HSE Fire Safety Guidelines (HSG168) regarding audible and visual alerts to fire on construction sites. ALERTEX Lockdown complies with official Ofsted advice regarding the use of a dedicated lockdown alert as opposed to a fire alarm during an event requiring lockdown.

Example

Wireless connection to Alertex IP BRIDGE

Monitor and control units from the ALERTEX PORTAL

Activited unit wirelessly transmits to other ALERTEX units within range

1st mesh hop upto 1km

2nd mesh hop upto 1km

3rd mesh hop upto 1km

ALERTEX
LOCKDOWN

Technical Specifications

Power Requirements	2 x 3.6V Saft LSH20 lithium D cells (not supplied) 1 - 2 years battery life dependent on usage
Receiver Frequency	434.525 Mhz
Reception Range	Up to 1km line of sight per mesh hop
Transmitter Power	10 mW
Aerial	Supplied with 50ohm helical
Site / Unit Codes	32 site codes / 64 unit codes
Decibel Level	Sounder adjustable from 86-117dBa
Temperature Range	-10°C to + 60°C
Weather Rating	Internal units IP54 / External units IP66
Housing	Enclosure and beacon = ABS / Call-point =Polycarbonate

Dimensions