RADIO COMMUNICATIONS

Bi-Directional Amplifier (BDA) Solutions

Reliable Two-Way Emergency Radio Communication

Emergency Responders lose communications when radio signals in-building are weakened by structures such as concrete, windows, and metal. Staying informed with clear radio transmissions between first responders inside of a building and emergency personnel outside of the building can help prevent injuries and save lives.

NOTIFIER's Bi-Directional Amplifier (BDA) System is a signal boosting solution designed to enhance in-building radio frequency (RF) signal coverage for public safety radio. When combined with industry leading fire systems, NOTIFIER provides the reliability and quality expected from a life safety solution.

Features and Benefits

- UL2524 for In-building 2-Way Emergency Radio Communication Enhancement Systems listing, CSFM listing
- NFPA 72 2010 Edition, NFPA 1221 2016 Edition and IFC 2018 compliant
- Supports all US public safety frequency bands
- Directly integrates with NOTIFIER Fire Alarm Control Panel
- Single BDA to cover multiple sub-bands with a wider bandpass
- Automatic and self adjusting oscillation prevention and uplink squelch support
- Lower power consumption for long term reliability and efficiency

Reliable Performance

Specifically designed to meet UL2524 In-building 2-Way Emergency Radio Communication Enhancement Systems, NOTIFIER's Class B, Bi-Directional Amplifier Solutions provide a high power, band-selective radio signal booster system that can be designed and customized to meet all public safety frequency band ranges. This state of the art BDA System is developed to provide a high rejection of interfering signals, and is designed for excellent heat dissipation, corrosion resistance and ease of wall-mounting.

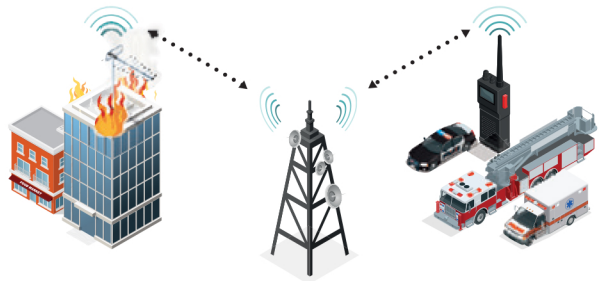
EMC Security™ Every Moment Counts™

NOTIFIER® by Honeywell

RADIO COMMUNICATIONS

IS YOUR BUILDING IN THE EMERGENCY COMMUNICATIONS DEAD ZONE?

First Responders depend on reliable two-way communications when lives and property are at risk.



SIGNAL STRENGTH IS IMPAIRED BY:

- RF interference
- Low-E glass windows
- Underground structures
- Obstructions
- Building materials

FIRST RESPONDER COMMUNICATION ISSUES

98.5% reported building dead spots

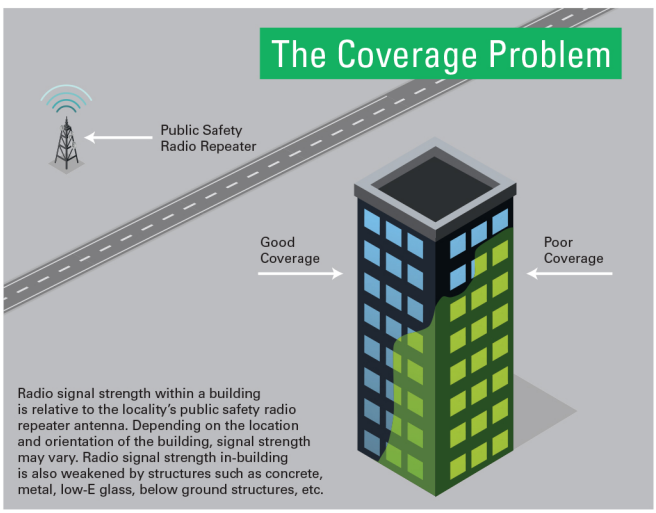
56% experienced in-building communications failure in emergencies (in the last 2 years)

31% experienced communications failure (in the last 6 months)

Source: International Assoc. of Fire Chiefs Survey | December 2017

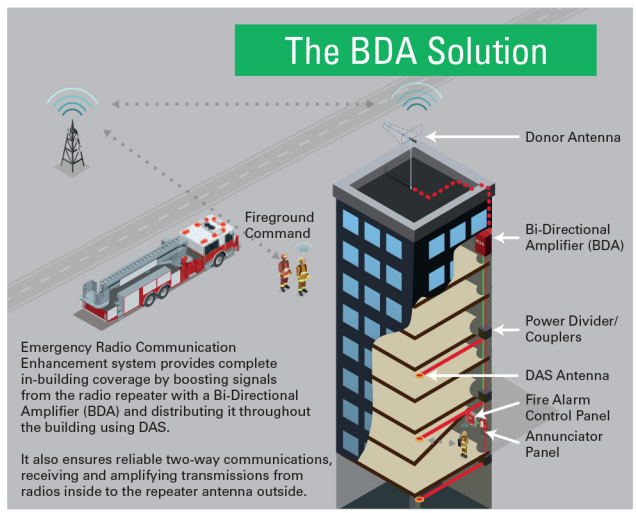
100% RELIABLE COMMUNICATION

The Coverage Problem



Radio signal strength within a building is relative to the locality's public safety radio repeater antenna. Depending on the location and orientation of the building, signal strength may vary. Radio signal strength in-building is also weakened by structures such as concrete, metal, low-E glass, below ground structures, etc.

The BDA Solution



Emergency Radio Communication Enhancement system provides complete in-building coverage by boosting signals from the radio repeater with a Bi-Directional Amplifier (BDA) and distributing it throughout the building using DAS.

It also ensures reliable two-way communications, receiving and amplifying transmissions from radios inside to the repeater antenna outside.

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