ONE-WAY COMMUNICATION SYSTEMS

TYPES OF FIRE ALARM SYSTEMS SERIES BY MEYERFIRE UNIVERSITY | FEBRUARY 2023

SUMMARY

One type of Emergency Communication System is a One-Way Emergency Communication System. A **One-Way Emergency Communication System** is intended to broadcast information to indoor or outdoor areas by any combination of audible, visual or textual means.

- Provides real-time instructions and information to a targeted audience.
- Goal is to provide clear & effective communication intended to encourage an action.

Examples of One-Way Emergency Communication Systems include:

- In-Building EVACS fire alarm system
- In-Building, Wide-Area, & Distributed Recipient Mass Notification System
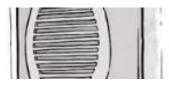- Public Address systems used for emergency communication

Some components that share messaging could include scrolling LED signage, strobes, speakers, high-powered speaker arrays (HPSAs), call stations, sirens, muster areas, "at-your-side" communication like SMS text, calls, or email notification.

These could be used in areas that need distributed emergency messaging, like:

- Large educational occupancies (such as colleges and universities)
- Large sporting arenas
- High-rise buildings
- Large institutional occupancies (such as hospitals)

Interior Components to Distribute One-Way Messaging:

Speaker

Strobe

Scrolling LED Text Board

Exterior & At-Your-Side Components to Distribute One-Way Messaging:

High-Powered Speaker Arrays (HPSA)

Emergency Call Stations

Siren

Speaker Array

SMS Text Service

CODE/STANDARD REFERENCES

NFPA 72 – 2022: Section 3.3.97.1 – Definition of One-Way Emergency Communication System

NFPA 72 – 2022: Chapter 24 – Requirements for Emergency Communication Systems

VIDEO LINK

www.meyerfire.com/university/what-is-one-way-communication

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