

SolarTech Power Solutions

Two-way emergency communication command base station



Overview

How do two-way communication systems work?

In short, two-way communication systems have two key components; a master station (typically installed in the fire command center or other approved location) and Call Boxes required to be provided at the landing of each elevator on each accessible floor that is one or more stories above or below the level of exit discharge.

What are the requirements for a two-way communication system?

The master station shall dial out to a monitoring location or 9-1-1, Also note the two-way communication system shall have BOTH audible and visual signals. It is a requirement to provide directions on how to operate the two-way communication system.

Are two-way communication systems required at the landing?

two-way communication systems are not required at the landing serving only freight elevators. two-way communication systems are not required at the landing serving a private residence elevator. This is a big one that always come up.

Are two-way communication systems required at a private residence elevator?

two-way communication systems are not required at the landing serving a private residence elevator. This is a big one that always come up. Two-way communication systems are required to communicate between the required call boxes and master station installed in the fire command center or approved location.

What is a one-way voice communication system?

Note: When you come across the term one-way voice communication system, this is reference to a PA (public address) or fire alarm emergency voice/alarm communication system. The term one-way means exactly that, the operator of

the microphone can only communicate out.

What is NFPA 72 level 1 emergency communication system?

NFPA 72 2016 Section 24.3.13.9.1 stated " Area of Refuge emergency communication systems shall have a pathway survivability of level 2 or level 3. " Level 1 is permitted when the building is less than 2-hour fire rated construction. Shall be tested at Initial Acceptance and annually thereafter.

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