Command Center Specifications

RATH
by AVIRE

Part 1 - General

1.0 Summary

1.1 The Command Center is to be located at a central control point in the lobby or machine room as indicated by the local authority having jurisdiction. RATH® Elevator Phones are to be located in each elevator either behind the COP, flush mounted to panel face, or in an existing phone box.

1.2 The Command Center must be capable of handling a minimum of 116 RATH® Elevator Phones. Visual indicators on the Command Center allow rescue personnel to know which Elevator Phone needs assistance. The Command Center must allow rescue personnel to speak to individual Elevator Phones.

1.3 The emergency communication hardware shall comply with the Americans with Disabilities Act (ADA). The Elevator Phones shall have the ability to be programmed with up to 2 emergency phone numbers (Command Center counts as first number if calling this unit first). Upon activation of the emergency push button, a call will be automatically placed to the Command Center. If no one answers at the Command Center, the Elevator Phone must dial a secondary location outside of the building to activate **two-way off-site person to person voice communications**.

1.4 The Base Station must allow for calls out on analog, digital, cellular, or IP communication lines.

2.0 Submittals

1.1 Submit product data sheets. Include operation manuals.

1.2 Wiring or shop diagrams detailing wiring schematics, cabling.

3.0 Construction

3.1 The Command Center (models 2500) shall include both the Base Station and Distribution Module. The Base Station must have a powder coated steel housing (surface or flush mount) or be desk mounted, include a black handset with coil cord, and be powered from the Distribution Module.

3.2 Distribution Module must be a surface mount enclosure, include connections for 1 up to 116 Elevator Phones and/or Machine Room Phones and power both the Base Station and the Machine Room Phones (larger systems available). The Distribution Module shall be powered from 120vac power with a battery backup that provides power for a minimum of 4 hours.

3.3 The Elevator Phones (models 2100) must be in full compliance with Americans with Disabilities Act (ADA). Elevator Phones require a hands-free speakerphone with an LED to indicate status of call.

3.4 The Elevator Phones must allow the programming in of a specific voice message indicating the location of the elevator.

3.5 The Elevator Phones must be programmable to check the status of the incoming telephone line every 10 minutes up to every 23 hours. Upon failure to detect an active telephone line the Elevator Phone must provide a relay contact to an Annunciator Device (2100-ALARM) located at the designated landing in the vicinity of the "fire recall switch".

3.6 The Command Center requires a 2500-MONITOR to check the incoming telephone lines. The 2500-MONITOR must be programmable to check the status of the incoming telephone line every 10 minutes up to every 23 hours. Upon failure to detect an active telephone line the 2500-MONITOR must provide a relay contact to an Annunciator Device (2100-ALARM) located at the designated landing in the vicinity of the "fire recall switch".

3.7 The Command Center must provide an audible and visual indicator that an Elevator Phone has been activated.

3.8 The RATH® 120vac Power Supply must be capable of supplying power to the Distribution Module.

4.0 Mounting

4.1 The Command Center is to be surface mounted, flush mounted, or a desk top.

4.2 Elevator Phones are to be mounted behind the COP, flush mounted to panel face, or in an existing phone box.

5.0 Electrical

5.1 The Base Station and Machine Room Phones are to be powered by the Distribution Module.

5.2 Distribution Module shall be powered by the RATH® power supply. It shall require 120vac power and provide battery backup capable of providing a minimum of 4 hours of electrical backup in case of building power failure.

5.3 The Base Station shall connect to the Distribution Module with a single wire pair.

5.4 Each Elevator Phone shall connect to the Distribution Module with a single wire pair. Wire pairs shall be shielded if near any power runs, otherwise standard pair is acceptable.

5.5 System shall be in compliance with all state and local electrical codes

Command Center Specifications

6.0 Communications

6.1 The Elevator Phones shall be an ADA compliant and vandal resistant speakerphone.

6.2 The Elevator Phones shall be hands-free and be a push-button-once to talk system. Once the button has been pushed, the Elevator Phone will call the Base Station. If no answer at the Base Station, it will automatically call preprogrammed emergency numbers. The Elevator Phone must be capable of being programmed with up to 2 emergency numbers (Base Station counts as first number).

6.3 Elevator Phones shall have location message capability. Elevator Phones must include a minimum 18 second recordable message, programmable to play 1 or 2 times. Elevator Phones shall notify called party of the location of the elevator upon receipt of call.

6.4 Elevator Phones shall be capable of allowing the called party to replay the location message if necessary to ensure an understanding of the elevator's location.

6.5 If the building location does not have a 24/7 attendant on duty, the Elevator Phone must dial a location outside of the building to activate *two-way off-site person to person voice communications*.

6.6 Once a call has been made (button pushed), the call can only be terminated by the called party.

6.7 Elevator Phones must have a red LED that will light up upon push of the button. The light shall be a solid color when the Elevator Phone is activated and will flash when call has been answered.

6.8 The Elevator Phone must be capable of being programmed and re-programmed on-site and remotely.

6.9 Standard Base Station features:

6.9.1 Flush, surface, or desk mount

6.9.2 Operating temperature of between -40˚F to +150˚F (-40˚ to + 65˚ C)

6.9.3 Individual elevator call

6.9.4 Standard analog telephone line input

6.9.5 Ability to act as an intercom (no phone line required)

6.9.6 Telephone line verification (with 2500-MONITOR)

6.9.7 Battery backup (minimum of 4 hours)

6.10 Standard Elevator Phone features:

6.10.1 Two number programming

6.10.2 Operating temperature of between -40˚F to +150˚F (-40˚ to + 65˚ C)

6.10.3 Location message

6.10.4 Telephone line verification

6.10.5 Battery backup (minimum of 4 hours)

6.10.6 120vac or 24vac/dc power

6.10.7 On-site or remote programmable

6.10.8 EEPROM memory to protect programming

7.0 Graphics

7.1 The Command Center must include wording identifying the location of each elevator phone and light an LED when a particular elevator phone has been activated.

7.2 Elevator Phone wording must include "Emergency Phone", the International Phone Symbol, and raised Braille lettering.

8.0 Product Substitutions

8.1 No substitutions.

9.0 Warranty

9.1 The Command Center and Elevator Phones shall be warranted for a period of three years.

10.0 Manufacturer

The manufacturer shall be:
RATH® Communications
N56 W24720 North Corporate Circle
Sussex, WI 53089
www.rathcommunications.com