

SmartRescue Specifications



Part 1 - General

1.0 Summary

- 1.1 The Base Station 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 Base Station must be capable of handling a minimum of 5 or 10 RATH® Elevator Phones and 2 Machine Room Phones. Visual indicators on the Base Station allow rescue personnel to know which Elevator Phone needs assistance. The Base Station must allow rescue personnel to speak to all Elevator Phones or 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 5 emergency phone numbers (Base Station counts as first number). Upon activation of the emergency push button, a call will be automatically placed to the Base Station. If no one answers at the Base Station, 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 Base Station (models 2500) must have a Stainless Steel or powder coated steel housing, red coil cord, red emergency handset, be 24vdc or 120vac powered, and include a rechargeable battery to maintain backup power for a minimum of 4 hours of talk time.
- 3.2 The Base Station must include connections for up to (2) Machine Room Phones (2300-630SM).
- 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 Base Station must provide an audible and visual indicator that an Elevator Phone has been activated.

4.0 Mounting

- 4.1 The Base Station is to be mounted on a wall, surface, or flush mounted.
- 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 is to be powered by 120vac when used with supplied step down transformer or direct 24vac/dc power.
- 5.2 Elevator Phones are to be powered by existing 24vac/dc power in car operating panel or 120vac when used with RATH® step down transformer.
- 5.3 Wiring from the Base Station to the Elevator Phones and Machine Room Phones shall be composed of two twisted, shielded pairs in either 22 or 24ga wire.
- 5.4 Elevator Phones must have a battery backup capable of providing up to 4 hours of electrical backup in case of building power failure.
- 5.5 Base Station must have a battery backup capable of providing up to 4 hours of electrical backup in case of building power failure.
- 5.6 System shall be in compliance with all state and local electrical codes

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6.0

Communications

- 6.1 The Elevator Phones shall be an ADA compliant and vandal resistant speakerphone.
- 6.2 The Base Station must allow for calls to be placed on analog, digital, or IP communication lines.
- 6.3 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 5 emergency numbers (Base Station counts as first number).
- 6.4 Elevator Phone shall have location message capability. Elevator Phone must include a minimum 18 second recordable message, programmable to play 1 time or continuously until interrupted. Elevator Phone shall notify called party of the location of the elevator upon receipt of call.
- 6.5 Elevator Phone shall be capable of allowing the called party to replay the location message if necessary to ensure an understanding of the elevator location.
- 6.6 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.
- 6.7 Once a call has been made (button pushed), the call can only be terminated by the called party.
- 6.8 Elevator Phone 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.
- 6.9 The Elevator Phone must be capable of being programmed and re-programmed on-site and remotely.
- 6.10 Standard Base Station features:
 - 6.10.1 Flush or surface mount
 - 6.10.2 Operating temperature of between -40°F to +150°F (-40° to + 65° C)
 - 6.10.3 All or individual elevator call
 - 6.10.4 Battery backup
- 6.11 Standard Elevator Phone features:
 - 6.11.1 Five number programming
 - 6.11.2 Operating temperature of between -40°F to +150°F (-40° to + 65° C)
 - 6.11.3 Location message
 - 6.11.4 Telephone line verification
 - 6.11.5 Battery backup (4 hours)
 - 6.11.6 On-site or remote programmable
 - 6.11.7 120vac or 24vac/dc power
 - 6.11.8 EEPROM memory to protect programming

7.0

Graphics

- 7.1 Base Station must include wording identifying the number of each Elevator Phone, instructions on how to operate the Base Station 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 Base Station 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

