



1-800-451-1460

AREA OF RESCUE/REFUGE - Product Specification

- Area of Rescue Base Station and Floor Call Boxes
 - ** Base Station: 2500-105 (Up to 5 Call Boxes), 2500-110 (Up to 10 Call Boxes)
 - ** Floor Call Boxes: 2100-956BL (surface) 2100-958SS (Flush)

Part 1 - General

1.0 Summary

- 1.1 The Area of Rescue Base station is to be located at a central control point on the first floor or as determined by local fire department. Rath *Floor Call Boxes* are to be located on all floors outside of the first floor, ideally next to a stairwell emergency exit on each floor.
- 1.2 The Area of Rescue *Base Station* must be capable of handling up to 10 Rath *Floor Call Boxes*. Visual indicators on the base station allow Rescue personnel to know which Area of Rescue *Floor Call Box* needs assistance. The *Base Station* must allow Rescue personnel to speak to all *Floor Call Boxes* or individual *Floor Call Boxes*.
- 1.3 The Emergency communication hardware shall comply with the American with Disabilities Act (ADA). The phone shall have the ability to be programmed with up to 5 emergency phone numbers. Upon activation of the emergency push button; a call will be automatically placed to the *Base Station*, if no one answers at *Base Station*, The Floor Call Box must dial a secondary location outside the building.

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 Area of Rescue *Base Station* must have a stainless steel housing, red coil cord emergency Handset, 120vac powered and back-up power for 4 hours.
- 3.2 The Area of Rescue *Floor Call Boxes* must be in full compliance with American with Disabilities ACT (ADA). *Floor Call Boxes* require a hands free speaker phone with an LED to indicate status of call.



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- 3.3 The Area of Rescue *Floor Call Boxes* must allow programming in of a specific location message of the Call box. This allows Rescue personnel to know the location of the activated Call Box.
- 3.4 The Area of Rescue *Floor Call Boxes* are to be located no more than 36" above ground level to ensure conformance with the American with Disabilities Act (ADA) requirements.
- 3.5 The Area of Rescue *Floor Call Boxes* must have a Braille faceplate located approx. 36" above ground level to ensure conformance with the ADA requirements.
- 3.6 The Area of Rescue *Base Station* must provide an audible and visual indicator that a *Floor Call Box* has been activated.

4.0 Mounting

- 4.1 The Area of Rescue *Base Station* is to be mounted on a flat wall surface.
- 4.2 Area of Rescue *Floor Call Boxes* are to be wall surface mounted (Model: 2100-956BL) or *flush mounted* (Model: 2100-958SS).

5.0 Electrical

- 5.1 The Base Station is to be powered by 120vac. *Floor Call Boxes* are to be powered by 120vac, 24v or 12v. Depending on wiring requirements.
- 5.2 *Floor Call Boxes* must have a battery back-up capable of providing up to 4 hours of electrical back-up in case of building power failure.
- 5.3 *Base Station* must have a battery back-up capable of providing up to 4 hours of electrical back-up in case of building power failure.
- 5.4 System shall be in compliance with all State and Local Electrical codes.

6.0 Communications

- 6.1 The *Floor Call Boxes* shall have an ADA compliant and vandal resistant speaker phone.



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- 6.2 The *Floor Call Boxes* shall be a 1 push to talk system. Once the button has been pushed, the Call Box will call Base Station. If no answer at Base Station, it will automatically call preprogrammed emergency numbers. The phone must be capable of being programmed with up to 5 emergency numbers.
- 6.3 *Floor Call Box* shall have Location Message capability. Phone must have a minimum 18 second recordable message capability programmable to play 1, 2 or 3 times. Phone shall notify called party of the location of the call upon being received at the emergency dispatch center.
- 6.4 *Floor Call Box* shall be capable of allowing the called party to replay the Location Message if necessary to ensure an understanding of the caller location.
- 6.5 Once call has been made (button pushed) the call can only be terminated by the called party.
- 6.6 *Floor Call Box* must have a red LED that will light up upon push of the button. The light shall be a solid color when the phone is activated, and will flash when call has been answered.
- 6.7 The *Floor Call Box* must be capable of being programmed and reprogrammed On-site and remotely.
- 6.8 Standard *Floor Call Box* features:
 - 6.8.1 Five number programming.
 - 6.8.2 Operating Temperature of between -40°F to +150°F (-40° to + 65° C)
 - 6.8.3 Programmable passwords.
 - 6.8.4 On-Site or Remote Programmable.
 - 6.8.5 EEPROM memory to protect programming.

7.0 Graphics

- 7.1 Area of Rescue *Base Station* must include wording identifying the location of each Floor Call Box and light an LED when a particular Call Station has been activated.
- 7.2 *Floor Call Box* wording must include “Emergency Phone”, “Push for Help”, “International Phone symbol” and raised Braille lettering.

8.0 Product Substitutions

- 8.1 No substitutions



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9.0 Warranty

The Base Station and Floor Call Stations shall be warranted for a period of Three years.

10.0 Manufacturer

The manufacturer shall be:

Rath Microtech

N56 W24720 North Corporate Circle

Sussex, WI 53089

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Website: www.rathmicrotech.com