



Product Specification

- Emergency Call Station: Model 2100-854

1.0 General Description

- 1.1 The Emergency Call Station is required to eliminate the need to trench for electrical and phone lines.
- 1.2 The Emergency Phone Tower shall be rectangular in appearance and made of continuous steel construction 18 gauge thickness. The Call Station shall stand 39" high and be capable of being mounted flush on a wall or on a pole.. The words "EMERGENCY TELEPHONE" with bright reflective lettering shall be located on the front and the words "EMERGENCY" on the sides. The Phone shall be compliant with the American with Disabilities Act and be powered with a solar panel accompanied with a battery for power storage.
- 1.3 The Emergency communication component shall comply with the American with Disabilities Act. 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, the strobe shall instantaneously flash until the call has been disconnected by the called party.

2.0 Construction

- 2.1 The Emergency Call Station shall be constructed of 18 gauge galvanized steel that is weatherproof and manufactured with a weather and corrosion resistant finish.
- 2.2 The Emergency Call Station is to stand 39" high, 10" wide and 8" deep with all components of its construction to be vandal resistant.
- 2.3 The Emergency Phone plate shall be made of Stainless Steel and be 13" inches high and 7" inches wide.
- 2.4 The Emergency Phone button on the Call Station is to be located no more than 36" above ground level to ensure conformance with the American with Disabilities Act (ADA) requirements.
- 2.5 Call Station must have a Braille faceplate located approx. 36" above ground level to ensure conformance with the ADA requirements.





- 2.6 The strobe shall be mounted within overall construction of unit enclosed within Plexiglas housing. Strobe will come fully assembled.
 - 2.7 Phone electronics and most electrical connections must be housed in a Nema 4 enclosure within the Emergency Call Station.
- 3.0 Mounting
- 3.1 The Emergency Call Station is to be mounted on a flat wall surface or on a pole if the pole mounting bracket is being utilized.
 - 3.2 Solar Panel is to be mounted remotely from phone with conduit running from the Call Station to the solar panel to protect against vandals. The solar panel must face south and be at an angle equal to the locations latitude * .9 + 29 degrees. Example. 45 latitude will equal 69.5 degrees from horizontal.
- 4.0 Electrical
- 4.1 The phone shall be powered by a 43 watt solar panel along with a 58 amp battery for energy storage.
 - 4.2 Battery is connected at time of installation with a nut/bolt/washer combination. (Provided by Rath as part of Solar/Cellular unit)
 - 4.3 A voltage regulator with an input power of 6.5 amps at 12 volts must be installed. (Provided by Rath as part of Solar/Cellular unit)
 - 4.4 The power consumption can not exceed 1.4 amps with a fully active phone, telular unit, strobe and power supply.
- 5.0 Lights
- 5.1 Strobe light shall be located at the top of the Emergency Call Station. The strobe shall be activated upon pushing of the emergency phone button. The strobe shall have an output of approx. 1,000,000 Candlepower and flash at a rate of a minimum of 70 times per minute.
 - 5.2 Blue light Single Element Strobe flashes when phone is activated.





6.0 Communications

- 6.1 The unit shall have an ADA compliant and vandal resistant speaker phone.
- 6.2 The phone shall be a 1 push to talk phone. Once the button has been pushed, the phone will call programmed emergency numbers. The phone must be capable of being programmed with up to 5 emergency numbers.
- 6.3 Phone 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 Phone shall be capable of allowing the called party to replay the Location Message if necessary to ensure an understanding of the location of phone tower.
- 6.5 Once call has been made (button pushed) the call can only be terminated by the called party.
- 6.6 Phone plate 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 speaker phone must be capable of being programmed and reprogrammed on-site and remotely.
- 6.8 Line powered phones and Dip Switch programming are not acceptable.
- 6.9 Internal cellular unit supports the following carriers. If your carrier doesn't appear on the list, check with Rath for options 266-850-8854.
 - 6.9.1.1 U.S. Cellular®, T-Mobile®, AT&T®, Cingular®, Verizon®, Sprint®, Alltel®
- 6.10 Standard Phone features:
 - 6.10.1 Five number programming.
 - 6.10.2 Weatherproof speaker.
 - 6.10.3 Weatherproof microphone.
 - 6.10.4 Operating Temperature of between -40°F to +150°F (-40° to + 65° C)
 - 6.10.5 Programmable passwords.





- 6.10.6 On-Site or Remote Programmable.
- 6.10.7 EEPROM memory to protect programming.
- 6.10.8 Adjustable speaker and microphones levels.

7.0 Finish

- 7.1 Unit shall be powder coated white with a weatherproof and corrosion resistant finish. End user must be capable of requesting custom colors.
- 7.2 Unit must be UV resistant

8.0 Graphics

- 8.1 All wording shall be made of highly reflective vinyl lettering.
- 8.2 The standard text like "EMERGENCY" shall be available in Blue with each letter to be a minimum of 3" in height.

9.0 Options

- 9.1 There shall be custom paint options for the Emergency Call Station.
- 9.2 System must allow for custom school or company logo on the tower similar to how the word "Emergency" is affixed.
- 9.3 System must allow for custom tower notification lettering in place of "Emergency" if requested.
- 9.4 Strobes must also be available in red and amber

10.0 Warranty

The unit shall be warranted for a period of two years.

11.0 Manufacturer

The manufacturer shall be:
Rath
N56 W24720 North Corporate Circle
Sussex, WI 53089
866-850-8854
Website: www.rathsecurity.com

