



# Emergency Phone Tower Model 2100-T

## Product Specification

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### 1.0 General Description

- 1.1 The Emergency Phone Tower shall be rectangular in appearance and made of continuous steel construction. It shall stand 9' from the base to the top of Tower. The word "EMERGENCY" with bright reflective lettering shall be located on all four sides and each letter shall be a minimum of 3" in height. The phone shall be compliant with the American with Disabilities Act (ADA).
- 1.2 The phone mechanism 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 Tower shall be constructed of 11 gauge powder coated hot rolled steel that is manufactured with a weather and corrosion resistant finish.
- 2.2 The Tower is to stand 9' tall from base to top, 10 3/4" wide and 6" deep and all aspects of its construction will be vandal resistant.
- 2.3 The Emergency Phone plate shall be made of 12 gauge Stainless Steel and be 11 1/4" inches high and 8 1/4" inches wide and will attach to the Tower using 6 Stainless Steel screws.
- 2.4 The Emergency Phone button shall be located approximately 48" above the base to ensure conformance with the ADA requirements.
- 2.5 The Tower must have a Braille faceplate stating 'EMERGENCY PHONE' 'PUSH FOR HELP' to ensure conformance with ADA requirements.
- 2.6 The base of the Tower shall be 5/8" in thickness, welded to body of Tower with 4 built in 1" mounting holes to attach to a concrete mounting pad.
- 2.7 The strobe and beacon light shall be mounted directly to the top of the Tower.
- 2.8 The strobe electronics access opening shall be 7 1/4" high and 6 3/4" wide and located on the back of the Tower.



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- 2.9 Phone electronics and most electrical connections must be housed in a NEMA 4 enclosure within the Tower.
- 2.10 The Tower shall have a rear access panel located on the back of the tower, directly behind the phone plate. The panel provides access to the electrical and phone connections.

### 3.0 Mounting

- 3.1 The Tower is constructed of steel that is of one continuous piece with a welded internal base 5/8" thick containing four built in mounting holes. A template for installing the anchor bolts is to be included. The unit shall be mounted on a concrete pad with 3/4" galvanized anchor bolts, galvanized nuts and washers (available for purchase Part # 7476).

### 4.0 Electrical

- 4.1 The phone shall be powered by 120vac, Low Voltage, or Dusk2Dawn. Power must be supplied to the tower through conduit that extends up into the base of the Tower.
- 4.2 The power consumption cannot exceed 2.5 amps with a fully active phone, strobe, beacon, and faceplate LED.
- 4.3 The phone line must be supplied via cable that is run through conduit that extends up into the base of the Tower.

### 5.0 Lights

- 5.1 The 12v dual element light shall be located at the top of the Tower. The light shall contain a strobe and a constant-on beacon.
- 5.2 The strobe shall be activated upon pushing of the emergency phone button. It shall have an LED cluster and flash at a rate of a minimum of 60 flashes per minute.



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- 5.3 The beacon shall provide continuous, steady illumination and will utilize an LED cluster as its light source.
- 5.4 A Photocell shall be offered as an option to allow for the deactivation of the beacon during daylight hours.
- 5.5 A single element strobe shall be offered as an option. The strobe shall be activated upon pushing of the emergency phone button.
- 5.6 Strobes must also be available in custom colors.

## 6.0 Communications

- 6.1 The unit shall have an ADA compliant and vandal resistant speaker phone.
- 6.2 The phone shall be a push once 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 The phone shall have location message capability. Phone must have a minimum 18 second recordable message capability programmable to either play once, twice, or continuously until \* is pressed by called party. Phone shall notify called party of the location of the call upon being received at the emergency dispatch center.
- 6.4 The phone shall be capable of allowing the called party to replay the phone location message if necessary to ensure an understanding of the location of the Tower.
- 6.5 Once call has been made (button pushed), the call can only be terminated by the called party.
- 6.6 The 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 phone must be capable of being programmed and reprogrammed on-site and remotely.



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- 6.8 The phone must have a built in phone line consolidator feature. Phones must be capable of sharing phone lines with up to 10 RATH® SmartPhones if required by end user to reduce operational cost.
- 6.9 Line powered phones and Dip Switch programming are not acceptable.
- 6.10 Standard Phone Features:
- Programmable with up to 5 emergency phone numbers
  - Weatherproof speaker
  - Weatherproof microphone
  - Operating temperature of between -40°F to +150°F (-40° to + 65°C)
  - Programmable passwords
  - On-site or remote programmable
  - EEPROM memory to protect programming
  - Adjustable speaker and microphones levels
  - Programmable location message with human voice recognition
  - Programmable conversation time
  - 2 button – 2 number capability
  - Remote and on-site diagnostic testing
  - Ability to control additional accessories (cameras, speakers)

## 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 such as “EMERGENCY” shall be available in blue with each letter to be a minimum of 3” in height.
- 8.3 Text shall be available in custom colors.



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### 9.0 Options

- 9.1 There shall be custom paint options for the Tower.
- 9.2 System must allow for custom tower notification lettering in place of "Emergency" if requested.
- 9.3 Wireless Communication options shall be available. These options shall consist of Cellular, VoIP, WI-FI VoIP, Two-Way Radio, and 900 MHz communications.
- 9.4 Voice over IP (VoIP) communication option shall be available.
- 9.5 A Wide-Area Broadcast Speaker option or Mass Notification shall be available.
- 9.6 Both dome cameras and 'pinhole' camera options must be available from manufacturer.
- 9.7 A Wide Area Lighting (WAL) option shall be available. WAL shall consist of an LED light that fixes to the top of the Tower using 120vac power.

### 10.0 Warranty

- 10.1 The unit shall be warranted from all factory defects for a period of two years.

### 11.0 Manufacturer

The manufacturer shall be:  
RATH® Security  
N56 W24720 North Corporate Circle  
Sussex, WI 53089  
800-451-1460  
[www.rathsecurity.com](http://www.rathsecurity.com)