



TS Series alphaBlueLight™ 9-Foot Solar Emergency Call Towers

Typical TS Series Tower



Shown in Standard Colors
White with Blue Reflective Lettering

Some Other Optional Color Choices



Shown For Color Choices Only
Solar panels & other accessories not shown

Features

- ADA Compliant
- Clear 2-Way Voice Communication
- One or Two button speaker phone models available
- EMERGENCY reflective blue label on four (4) sides
- Weather and Vandal resistant, 11 gauge steel, powder coated inside and out
- Recessed LED illuminated faceplate
- LED indicating call status
- Dimensions 9' H x 10.75" W x 6.00" D
- 155 lbs. overall weight (prior to solar battery installation)

TS Series Solar 9-Foot Call Towers



The Alpha Communications® alphaBlueLight™ TS Series 9-Foot Call Towers are an ideal solution for walkways, hiking trails, parks, open areas, college campuses, parking facilities, shopping malls, healthcare facilities and corporate campuses.

At 9' tall, these towers are a crime deterrent and create a sense of security. The tower can serve multiple purposes by providing people with an emergency phone and security professionals with visual and audio capabilities in the area. Optional camera and mass notification options are available to enhance the safety of your facilities, your staff, your residents and guests.

Specifications

TS985:	1-Emergency Call button with Blue Strobe. 85W Solar - 900 MHz.
TS9130:	1-Emergency Call button with Blue Strobe. 130W Solar - 900 MHz.
TSC85:	1-Emergency Call button with Blue Strobe. 85W Solar - Cellular Phone
TSC130:	1-Emergency Call button with Blue Strobe. 130W Solar - Cellular Phone
TST85:	1-Emergency Call button with Blue Strobe. 85W Solar - Two-Way Radio
TST130:	1-Emergency Call button with Blue Strobe. 130W Solar - Two-Way Radio

NOTE: All TS models shown are powered by Solar Panels and are finished in White powder coat paint with Blue lettering and graphics. Use 85W models for areas that get a lot of daily sun and 130W models for areas that do not get a lot of daily sun.

Information Regarding Cellular Models

When would a Cellular solution be appropriate? It is a good solution when running cabling for landline or VoIP is cost prohibitive. The cellular option is most commonly used with an emergency phone which is using solar power. This allows the emergency phone to be located in remote locations.

The cellular emergency phones are available in the two most common cellular technologies used in North America, GSM and CDMA. GSM is found worldwide as well.

GSM carriers: AT&T and T-Mobile and typically have a SIM card

CDMA carriers: Sprint and Verizon

Key Features:

- Works with most cellular providers (not Nextel)
- End user contracts directly with a cellular provider
- Installed and programmed at the factory
- Remote programming with GSM carrier
- GSM & CDMA compatible (select when ordering towers)

Architects' And Engineers' Specifications

1.0 General Description

1.1 The Alpha Communications® TS Series 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) and be powered with (select 85W or 130W) solar powered panels.

1.2 The Emergency communication component shall comply with the ADA. When used with cellular phone dialing, the phone shall have the ability to be programmed with up to five (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 hot rolled steel that is weatherproof and manufactured with a weather and corrosion resistant finish.
- 2.2 The Tower is to stand 9' tall from base to top, 10.75" 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 11.25" inches high and 8.25" inches wide and will attach to the tower using six (6) stainless steel screws (provided).
- 2.4 The emergency phone button shall be located approximately 36" above the base to ensure conformance with the ADA requirements.
- 2.5 The Tower must have a Braille faceplate located approx. 36" above the base to ensure conformance with the ADA requirements.
- 2.6 The base of the Tower shall be .625" in thickness, welded to body of tower with four (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 (above the solar panels).
- 2.8 The strobe electronics access opening shall be 7.25" high and 6.75" wide and located on the back of the tower.
- 2.9 Phone electronics and most electrical connections shall be housed in a NEMA 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 .625" thick containing four (4) 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 Alpha Communications® model **ABLTMHN**).

4.0 Electrical

- 4.1 The phone shall be powered by (85W or 130W) solar power. Power must be supplied to the tower through conduit that extends down into the base of the tower.
- 4.2 The power consumption cannot exceed 7 amps with a fully active phone, strobe, beacon, faceplate LED, wide area speakers, wide-area lighting and camera.
- 4.3 When cellular phone type towers are used, the compatible cellular phone service (GSM or CDMA) shall be provided by the installing contractor.

5.0 Lights

- 5.1 The dual element light shall be located at the top of the Emergency Phone Tower. The light shall contain a strobe and (depending on optional model) a constant-on beacon.
- 5.2 The strobe shall be activated upon pushing of the emergency button. It shall have an output of approx. 150 to 500 candelas and flash at a rate of a minimum of 60 flashes per minute.
- 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 (which may incur additional costs).
- 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 red and amber (which may incur additional costs).

6.0 Communications

- 6.1 The unit shall have an ADA compliant and vandal resistant speaker phone.
- 6.2 The cellular phone shall be a push once to talk phone. Once the button has been pushed, the phone will call programmed emergency numbers. The cellular phone must be capable of being programmed with up to five (5) emergency numbers.
- 6.3 The phone shall have Location Message capability. Phone must have a minimum 18 second recordable message capability programmable to play 1 or 2 times or play 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 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 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 speakerphone 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 Standard Cellular Phone features:
 - Programmable with up to five (5) emergency phone numbers
 - Weather Resistant speaker
 - Weather Resistant microphone
 - Operating Temperature of between -40 deg. F to +150 deg. F (-40 deg. to + 65 deg.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 (depending on model)
- Remote and on-site diagnostic testing
- Ability to control additional accessories (cameras, speakers, etc.)

7.0 Finish

7.1 Unit shall be powder coated White with a weather resistant and corrosion resistant finish. End user must be capable of requesting custom colors (at additional cost).

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 White for towers painted with custom colors.

9.0 Extra Cost Options

9.1 There shall be custom paint options for the Emergency Phone Tower.

9.2 System must allow for custom (extra cost) 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 Wireless Communication options shall be available. These options shall consist of cellular, two-way radio, and 900 MHz communications.

9.5 Voice over IP (VoIP) communication option shall be available.

9.6 A wired Wide-Area Broadcast Speaker option shall be offered. The system would consist of the standard Tower with an audio amplifier and weather resistant speakers.

9.7 A Wide-Area Lighting option shall be offered. The system consists of a weather and vandal resistant light attached to a steel mounting pole. The pole is attached to the back of the tower using an integral mounting plate.

9.8 A built-in wired color camera option shall be offered. The camera shall provide live video to a remote monitoring location.

10.0 Limited Warranty

10.1 The unit shall be warranted for a period of two years. See manufacturer's complete warranty information for more details.

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