



# Product Specification Sheet



APS722

Rev. 1 - 12/2009



NC510ES Receiver

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The receiver(s) shall be Alpha Communications®/TekTone NC510ES or approved equal. The receiver shall interface with the NC501ES Master Station Computer. A serial data interface shall translate messages from the wireless receiver to the NC501ES. The receiver shall send communications from up to 65,532 transmitters to the NC501ES Master Station Computer. The receiver shall report the following transmitter fault conditions: low battery, tamper and missing-with a programmable supervision window of 1 to 24 hours. The receiver shall use a frequency-hopping spread spectrum with an operating frequency of 902-928 MHz.

TekTone® has designed the Tek-CARE®500 to work as a system. Its NC501ES Master Station Computer has been carefully designed and matched to work with Tek-CARE®500 wireless and wired peripherals. TekTone® will not warrant or support components of Tek-CARE®500 that are purchased separately unless the components are add-ons to previously sold systems. TekTone® will also not warrant or support a system that is a mix of TekTone® and Non-TekTone® parts, unless prior written permission has been obtained. In order to track our systems and to inform facilities of software upgrades, full site information (site name, address and phone number) will be required when ordering. Site information and NC501ES warranty number will also be required when requesting technical support.

Copyright© 2009, Alpha Communications®, All Rights Reserved

## NC510ES Receiver

The Alpha Communications® NC510ES Receiver enables communication between transmitters and the NC501ES Master Station Computer in a Tek-CARE®500 Wireless Emergency Call System. The NC510ES facilitates the supervision of all transmitters. The NC510ES's EchoStream® 900 MHz spread-spectrum radio provides reliability, even in hostile or difficult radio environments. Dual antennas, combined with Frequency Agile® technology, minimizes nulls or dead spots. The NC510ES Receiver includes a slot through the bottom of the case for wiring, and has a metal case with side-set screws for easy access to the reset button and programming cable header. Transmitters are programmed using default information stored in the receiver.

### FEATURES

- Facilitates supervision of transmitters
- EchoStream® 900 MHz spread-spectrum radio
- Dual antennas
- Knockouts for wiring
- Snap-on/pry-off cover

### SPECIFICATIONS

**Dimensions:** Height: 10.00" (254mm)  
Width: 3.73" (95mm)  
Depth: 1.06" (27mm)

**Weight:** 6.9 oz.

**Power Required:** 12 VDC, provided by PK510 Power Supply/PC Interconnect Assembly

**Frequency:** 902-928 MHz frequency-hopping spread spectrum

**Environment:** 0°C-60°C (32°F-140°F) and up to 95% non-condensing relative humidity

### REQUIRED COMPONENTS

**Tek-Care®500** Wireless Emergency Call System  
**PK510** Power Supply/PC Interconnect Assembly (included with NC510ES)

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*