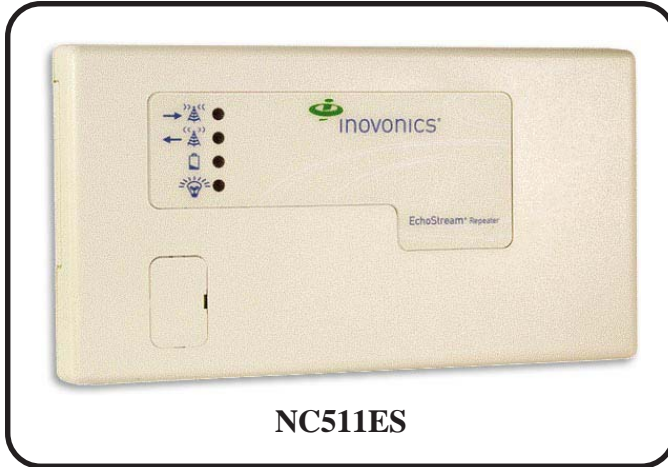




# NC511ES Repeater/Locator Specification Sheet

IL803  
Section E  
Rev. 3 - 12/2009



**NC511ES**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The repeater/locator shall be TekTone® NC511ES or approved equal. The repeater/locator shall increase alarm transmission range, and shall provide at least 200 milliwatts of effective radiated RF power. It shall also determine the general area from which an alarm transmission is sent, and shall transmit that information to the NC510ES Receiver and/or other NC511ES Repeater/Locators. The repeater/locator shall distinguish between virgin and retransmitted signals, to ensure that the NC510ES Receiver is sent accurate location information. Alarm and supervisory check-in signals from transmitters shall be maintained reliably with multiple repeater/locators in the system. The repeater/locator shall not require a home-run wire back to the receiver or panel.

TekTone® has designed Tek-CARE®500 to work as a system. Its 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 permission has been obtained. A site survey must be performed and submitted before ordering a Tek-CARE®500 system. 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 master station computer warranty numbers will also be required when requesting technical support.

## FEATURES

The NC511ES is a high power repeater and locator for the Tek-CARE®500 Wireless Emergency Call System. The NC511ES repeater/locator allows greater distances between the Tek-CARE®500 Transmitters and Receiver, and also provides general transmitter location information. Its range makes the repeater/locator a practical solution for open-air installations such as campuses, buildings with multiple wings, and other large wireless projects. The NC511ES Repeater/Locator uses signal strength to distinguish between virgin and retransmitted signals, to ensure that the NC510ES Receiver is sent accurate location information. Wireless radio protocols and Signal Synchronization Technology™ allow the repeater/locator to act intelligently, amplifying transmission from any Tek-CARE®500 transmitter while ignoring background noise.

- Enhances wireless transmission range
- Provides general location of calling transmitters
- Signal synchronization processing minimizes excessive signal generation
- Easy to install—just mount and plug in
- Supervised radio link to home receiver
- Includes integral backup battery

## SPECIFICATIONS

Dimensions:	3.5"H × 6.5"W × 1"D (89 mm × 165 mm × 25 mm)
Weight:	7.14 oz.
Environment:	-4°F–140°F, 0%–90% non-condensing relative humidity
Power Required:	12–16.5 VAC or VDC (transformer included)
Backup Battery:	2450mAh @ 3.7V lithium-ion (included)
Backup Time:	Up to 24 hours (varies depending upon repeater usage)

## REQUIRED COMPONENTS

Tek-CARE®500 Wireless Emergency Call System

## ACCESSORIES

IH511 Weatherproof Housing  
BA511 Replacement Backup Battery

[www.tektone.com](http://www.tektone.com)

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Phone: (828) 524-9967 • Fax: (828) 524-9968 • Tech Support: Choose option 2 • Sales: Choose option 3  
TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)