

TEK-CARE® 500 REPEATER

APPLICATION

The NC511 (NC-511) is a high power repeater for the Tek CARE®500 Wireless Emergency Call System. The NC511 repeater allows greater distances between the Tek-CARE®500 Transmitters and Receiver. The Repeater's transmitter offers up to four miles of open field range. This dramatic increase in range makes this transceiver a practical wireless solution for open-air installations such as campuses, multistory buildings, and other large wireless projects.

Wireless radio protocols and Signal Synchronization Technology™ allow the repeater to act intelligently, amplifying transmission from any Tek-CARE®500 transmitter while ignoring background noise.

FEATURES

- Enhances wireless transmission range
- Signal synchronization processing to minimize excessive signal generation
- Easy to install—just mount and plug in
- Supervised radio link to home receiver
- Attractive enclosure for indoor use

SPECIFICATIONS

Dimensions: 3.60"H × 6.38"W × 1.10"D
(91 mm × 162 mm × 28 mm)

Weight: 5.3 oz.

Power Required: 14VAC (14VAC @ 20 VA transformer included)

Current: approximately 70 mA typical consumption

Frequency: 902–928 MHz frequency-hopping spread spectrum

Environment: 0°–60°C and up to 95% non-condensing relative humidity

Range: 4 Miles Open Field Transmission Range



NC511
Repeater

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The repeater shall be TekTone® NC511 or approved equalas supplied by LEE DAN®.

The repeater shall increase alarm transmission range. This repeater shall provide at least 200 milliwatts of effective radiated RF power. The repeaters shall have the ability to communicate with other repeaters, thus allowing for multiple repeaters to be installed as a micro-cellular network. Alarm and supervisory check-in signals from transmitters shall be maintained reliably with multiple repeaters in the system.

The repeater shall not require a home-run wire back to the receiver or panel. A repeater shall not identify itself during transmissions; therefore, it must not be used where a locator is required.

TekTone® has designed Tek-CARE®500 to work as a system. Its NC501 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 NC501 warranty numbers will also be required when requesting technical support.

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