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Tek-PAGING® On-Site UHF Paging System

Specification Sheets Submittal Package

as of 05/06/2010

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NC399P Alphanumeric Pager CommtechWireless 7900 Specification Sheet

IL734
Section E
Rev. 5 - 04/2009



NC399P

FEATURES

The NC399P alphanumeric pager is a radio pager receiver with a large 2-line display, and is designed for use with TekTone®'s Tek-CARE®500 Wireless Emergency Call System, and TekTone®'s Tek-CARE®400, NC300II, NC200, NC150 and NC110 Nurse Call Systems. The pager stores up to 60 messages. Messages may be selectively deleted or locked into memory. Messages not locked into memory are automatically deleted as new messages arrive (beyond the 60 message limit), with the oldest messages being deleted first. The NC399P may be configured for annunciation via vibration or audible tones, and has one alarm for daily annunciation. It can be programmed to turn on and off at preset times each day.

The NC399P has been pre-programmed to receive call information from TekTone® systems. Its CAP code may be reprogrammed in the field.

- Alphanumeric
- 2-line backlit display
- Easy to use large 4-button design
- Configurable for audible or vibration alerts
- Field programmable
- Includes holster belt clip and safety cord

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The alphanumeric pager shall be a TekTone® NC399P, or approved equal. It shall have a large two-line display and shall be capable of storing up to 60 messages. The unit shall have a four-button design for ease of operation and shall provide a choice of tone and vibrate modes for page annunciation. A holster belt clip shall be provided with each unit.

The pager shall be pre-programmed to receive patient call information from TekTone®'s Tek-CARE®500 Wireless Emergency Call System or TekTone®'s Tek-CARE®400, NC300II, NC200, NC150 or NC110 Nurse Call System, via TekTone®'s NC365/A/AT or NC366A/AT Transmitter/Control Units. The pager's CAP code shall be reprogrammable in the field. Alphanumeric patient call information shall be displayed as generated by the emergency or nurse call system and the pager shall generate annunciation by sound or vibration.

SPECIFICATIONS

Dimensions:	Height:	1.9" (49 mm)
		without holster belt clip
	Width:	2.7" (70 mm)
	Depth:	0.7" (19 mm)
Construction:	Electronic components surface mounted to PCB enclosed in ABS plastic housing	
Operating Freq.:	457.550 Mhz	
Power supply:	1.5 vDC (1 AA cell)	

APPLICABLE SYSTEMS

Tek-CARE®500	Wireless Emergency Call System
Tek-CARE®400, NC300II, NC200, NC150, NC110	Nurse call systems
NC365/A/AT	Transmitter/Control Unit
NC366A/AT	Transmitter/Control Unit
NC375	Transmitter Interface

Paging is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.

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TekTone®'s quality system is registered by UL® to the ISO 9001:2000 standard. (File #A10766.)



NC369 UHF Paging Transmitter Specification Sheet

IL670
Section E
Rev. 8 - 07/2009



NC369

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The UHF on-site paging system transmitter/control unit shall be TekTone® NC369 or approved equal. The NC369 shall support one Tek-CARE® NC300II, Tek-CARE®400 or Tek-CARE®500 system. The paging information shall be supplied to the unit at 9600 baud and shall be transmitted to the radio pagers at 1200 baud on 457.550 Mhz. Information such as call type, location and priority shall be sent to the pagers in its entirety. LEDs shall indicate transmitter activity.

The paging system shall support up to 1000 pager IDs and shall have adjustable transmission strength of up to two watts (site survey recommended).

Paging is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.

FEATURES

The NC369 UHF Paging Transmitter receives alphanumeric messages and patient call information via serial interface and transmits the information directly to pagers. Information is sent to the transmitter at 9600 baud to minimize bottlenecks. Call type and location are determined by the system supplying information to the transmitter. Up to 1000 pager IDs are supported. Battery backup is also available. Programming is simple using a PC or laptop and web based programming screens. Dipswitches are also available on the unit for minimal function onsite setup.

The system's range depends upon the site and the transmitter's location. To determine the exact coverage, conduct a site survey. Estimate a range of up to one mile under ideal conditions. The unit includes a ¼-wave BNC-terminated antenna to provide coverage that meets most requirements. The optional CA133 Antenna is suited for installations that require good building penetration and range. On average, the CA133 Antenna adds about 25% to the transmission footprint, and because it comes with approximately 10 feet of cable, it can be mounted in more locations.

SPECIFICATIONS

- Dimensions: 2.7" × 10" × 8"
(6.86 cm × 25.4 cm × 20.32 cm)
- Construction: Electronic components mounted on a PCB enclosed in an ABS housing
- Connections: Plug-in RJ45 to DB9
- Housing: Surface or shelf mounted
- Frequency: Programmable for 440–470 MHz
- RF Power Output: Up to 2 watts
- Voltage: 12VDC at 2A Input 115 VAC
- FCC ID No.: T5GPT5
- IC (Canada): IC4767A-PT5
- BAUD Rate: 9600 serial input, 1200 transmit

REQUIRED COMPONENTS

- NC399P Pagers
- Tek-CARE®400 Nurse Call System
- or- Tek-CARE®NC300II Nurse Call System
- or- Tek-CARE®NC110/150/200 Nurse Call System
(requires NC375 Transmitter Interface)
- or- Tek-CARE®500 Wireless Emergency Call System

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NC377-series Paging Interface Adapter Specification Sheet

IL680
Section E
Rev. 8 - 10/2009



**NC377/32 Paging Interface Adapter
(exterior & interior)**

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The NC377-series Paging Interface Adapter shall interface the Tek-CARE®NC110, NC150 and NC200 Nurse Call Systems to a TekTone® NC369 Paging Transmitter. The Paging Interface Adapter shall send serial data that will indicate call type and location. The NC377-series shall be connected directly to the nurse call master, and shall have either 32 inputs (NC377/32) or 64 inputs (NC377/64). The NC377-series Paging Interface Adapter shall not be used with code switches.

Paging is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.

FEATURES

The NC377-series Paging Interface Adapter integrates TekTone®'s Tek-CARE® NC110, NC150 and NC200 Nurse Call Systems with the NC369 Paging Transmitter, and connects directly to the nurse call master. The paging interface adapter is available in two configurations: The NC377/32 accommodates 32 inputs, while the NC377/64 handles up to 64 inputs. Connect up to 9 total NC377/64s to the NC369 Paging Transmitter to accommodate up to 576 inputs.

The NC377-series Paging Interface Adapter sends call priority information via a serial port to the NC369 Paging Transmitter. The transmitter then transmits this information to the pagers, allowing the staff to distinguish call priority levels. The NC377-series' ability to accept analog inputs and turn them into serial data, and the ease of installation and connection, allows the integration of radio-paging systems to TekTone® non-microprocessor-based nurse call systems. Contact the factory for applications using non-TekTone® systems.

SPECIFICATIONS

Dimensions:	Height: 14" (356 mm)
	Width: 10" (254 mm)
	Depth: 1.5" (38 mm)
Connections:	Screw Terminals: 9-PIN serial connector
Housing:	Surface mounted
Voltage:	Trigger: 24 volts DC Operational: 110 VAC Input
Current Consumption:	Less than 450 mA
Messages Output:	4 per input: 1-Routine, 2-Bath, 3-Emergency 4-Cancel/Reset
BAUD Rate:	9600

REQUIRED COMPONENTS

Tek-CARE® NC110, NC150, NC200 Nurse Call System	
NC369	Paging Transmitter
NC399P	Pagers

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SI005 LED Messaging Sign Specification Sheet

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Rev. 1 - 12/2009



SI005

FEATURES

The SI005 LED Message Sign is a radio paging receiver with a large one-line alphanumeric display. It is designed for use with TekTone®'s Tek-CARE®500 Wireless Emergency Call and Tek-CARE®400 Nurse Call Systems. The SI005 stores up to 24 messages. The messages are deleted after a predetermined length of time. Messages are automatically deleted as new messages arrive (beyond the 24 message limit), with the oldest messages being deleted first. The SI005 may be configured for annunciation via audible tones. The SI005 has been pre-programmed to receive call information from TekTone® systems, and it can be programmed for up to six CAP codes.

- One-line backlit LED display
- Displays 10 to 40 alphanumeric characters per line
- Configurable for audible alerts
- Programmable for up to 6 CAP codes
- Wireless data input
- Receives text messages from either TekTone® system

ARCHITECTS' AND ENGINEERS' SPECIFICATION

The alphanumeric LED message sign shall be TekTone® SI005. It shall have a large single-line display and shall be capable of storing up to 24 messages. The unit shall provide a choice of tone modes for page annunciation. The LED message sign shall be pre-programmed to receive patient call information from TekTone®'s Tek-CARE®500 Wireless Emergency Call System and Tek-CARE®400 Nurse Call System via TekTone®'s NC369 Paging Transmitter. The LED message sign shall be programmable for up to six CAP codes. The sign shall annunciate and display alphanumeric patient call information as generated by the emergency or nurse call system.

The LED message sign is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.

SPECIFICATIONS

Dimensions: 28" L × 6.75" H (711 mm × 171 mm)
 Weight: 8.4 lbs.
 Construction: LED display board with RF paging circuitry enclosed in a plastic housing.
 Operating Freq.: 457.550 Mhz
 Power supply: Input 115 VAC

APPLICABLE SYSTEMS

Tek-CARE®400 Nurse Call System
 Tek-CARE®500 Wireless Emergency Call System

REQUIRED COMPONENT

NC369 Paging Transmitter

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