TekTone®
COMMUNICATIONS FOR TODAY … AND TOMORROW.

Tek-ALERT®
Alert Integration Manager

Submittal Package
as of 03/12/24

www.tektone.com

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Tek-CARE Nurse Call and Tek-ALERT Alert Integration Systems • Rev. 13 - 3/2024

Features

- Proprietary nurse call appliance server running the Tek-CARE OS. The Tek-CARE Appliance Server is available in two different variants:
    - The NC475 is a headless appliance server
    - The NC475DESK is supplied with a 24" touch-screen monitor (size may vary) and wireless keyboard and mouse
- Functions as a tone-visual master station for the Tek-CARE500 and Tek-CARE570 systems
- Includes paging software module for automatic and manual pages to staff
- Software module options include event monitoring, reporting, Staff App, Apple TV displays, email output, and more
- Two network interface ports provide connections to the Tek-CARE Network and facility LAN
- Six RS232 serial ports provide connections for a paging transmitter, a central monitoring interface, and Tek-CARE500 and Tek-CARE570 Receivers

Description

The NC475 Tek-CARE Appliance Server provides the platform to install and run various software modules for Tek-CARE communications platform. The Tek-CARE Appliance Server is designed to be desk mounted or installed in a rack mount application. Rack mount ears and mounting screws are included and when rack mounted, uses 2U of rack space.

The Tek-CARE Appliance Server also supplies ports for the Tek-CARE Network and the facility's LAN, the radio pocket paging system's paging transmitter, Tek-CARE 300III Integration, the NC570, NC510UL, NC510ES, and NC510 FA Receivers.

The LCD screen on the Tek-CARE Appliance Server displays any calls and faults active on the nurse call system. The LED indicators to the left of the LCD provide power, fault, and call status at a glance. A simple configuration menu is also accessible from the front display.

The NC475DESK can function as a tone-visual master for the Tek-CARE platform. Calls, faults, and basic system configuration options are available, but audio communication is not available from the NC475 or NC475DESK. For audio communication, purchase the appropriate master station for your Tek-CARE system.

NC475DESK

Specifications

Dimensions:	NC475: 2.5"H × 13.45"W × 7.875"D (64 mm × 342 mm × 199 mm)
	Monitor: 14"H × 21.3"W × 1.9"D (356 mm × 541 mm × 48 mm)
Power:	AC/DC Power Adapter included
Input:	100-240 VAC, 2A, 50/60Hz
Output:	12 VDC, 5A, 60W Max
Battery Backup:	TekTone PK250B or equivalent required
Temperature:	0-40°C
Humidity:	0-95% (non-condensing)

Applicable Systems

Tek-CARE®120 and 160 Nurse Call Systems
Tek-CARE®300III Nurse Call System
Tek-CARE®400 P5/P5+ Nurse Call Systems
Tek-CARE®400 GEN3 Nurse Call System
Tek-CARE®500 Wireless Nurse Call System
Tek-CARE®570 Wireless Nurse Call System
Tek-CARE®600 Alert Integration Manager
Tek-CARE®700 Wander Management System

Listings

UL® 1069 Listed and cUL® Listed to CSA C22.2 No. 205; UL® File Number E71599.

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Software License Selections

Individually available software modules run on the Tek-CARE Appliance Server, adding ancillary features to the healthcare communications system.

System Connectivity:

- **LS120 Tek-CARE120 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE120 Nurse Call Systems.
- **LS160 Tek-CARE160 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE160 Nurse Call Systems.
- **LS301 Tek-CARE300II & LS300 Tek-CARE300III connectivity license** enables the Tek-CARE Appliance Server to import events.
- **LS400 Tek-CARE400 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE400 Nurse Call Systems.
- **LS460 Tek-CARE Media Gateway connectivity license** provides integration between the Tek-CARE Network and VoIP telephone systems. This includes 4 audio paths. LS465 adds 4 additional audio paths.
- **LS500 Tek-CARE500 connectivity license** enables the Tek-CARE Appliance Server to import events from FA, ES, and UL version Tek-CARE500 Wireless Nurse Call Systems.
- **LS570 Tek-CAREconnectivity license** enables the Tek-CARE Appliance Server to import events from the Tek-CARE570 Wireless Nurse Call System)
- **LS600 Tek-ALERT connectivity license** enables the Tek-CARE Appliance Server to import events from other systems, such as nurse call and fire alarm. (One LS600 required per interface.)
- **LS700K Tek-CARE700 connectivity license with Starter Kit** enables the Tek-CARE Appliance Server to import events from our wander management system. It includes the NC708 Starter Kit with ID-TAD, testing tag, #6 spanner hex bit, and programming adapter for door controllers.

Event Monitors & Reporting:

- **LS610-series Reporting** records all activity on the Tek-CARE Appliance Server, and provides custom reports on this activity for followup review and evaluation by management. Reports are viewed using a web browser by any computer networked to the Tek-CARE Appliance Server. They may also be printed, saved as HTML files for later viewing in a web browser, or saved as a CSV files for viewing in a spreadsheet program (such as Microsoft Excel).

When LS453 Email Output software is combined with LS610-series Reporting, reports can be sent automatically via email. Available in packages for 100 points (LS610/1), 500 points (LS610/5), 1000 points (LS610/10), 2500 points (LS610/25), 5000 points (LS610/50), and 10000 points (LS610/100). A point is one Tek-CARE120/160, or Tek-CARE400 addressable device, Tek-CARE500 transmitter, Tek-ALERT device ID, or Tek-CARE700 tag.

- **LS623-series Event Monitor for Windows** displays activity from all connected systems. This software is installed on the Tek-CARE Appliance Server, plus up to 255 personal computers networked to the Tek-CARE Appliance Server. (PCs must be running Microsoft Windows.) Available in packages of one license (LS623/1), five licenses (LS623/5), 10 licenses (LS623/10), or 25 licenses (LS623/25).

ADT Interface:

- **LS452 ADT Interface** receives Admit, Discharge and Transfer information from the facility's hospital information system (HIS)—including patient name, room number, bed number and doctor name—and inserts it into the corresponding fields in the Tek-CARE system's patient database. Information in these fields is then visible to facility staff on touchscreen master stations.

Email Output:

- **LS453 Email Output** enables email addresses to be added as staff devices. The software sends calls and other events via email to the assigned staff members. Events can also be sent to anything that has an email gateway—for example, sending an SMS message to a cell phone.

Tek-CARE Staff App:

- **LS620/LS630 Tek-CARE non-voice/voice App Server license** enables the Tek-CARE Appliance Server to send events via the facility's Wi-Fi to mobile devices running the LS621/LS631-series app.
- **LS621/LS631-series Tek-CARE non-voice/voice Staff App** enables mobile iOS and Android devices to act as portable event monitors. Up to 255 iOS and/or Android devices running the Tek-CARE app can be active on the system at one time. Install licenses on the Tek-CARE Appliance Server, and download the app from the Apple Store. See the IL1020 specification for device requirements. Available in packages of one license (LS621/1 or LS631/1), five licenses (LS621/5 or LS631/5), 10 licenses (LS621/10 or LS631/10), 25 licenses (LS621/25 or LS631/25), 50 licenses (LS621/50 or LS631/50), 100 licenses (LS621/100 or LS631/100), and 200 licenses (LS621/200 or LS631/200).

Tek-CARE TVs:

- **LS622-series Tek-CARE TV for the Apple TV App licenses** enables a 4th Generation (or newer) Apple TV with an HDMI connected widescreen TV or monitor to act as an event monitor. Up to 10 Apple TVs can be active on the system at one time. Install licenses on the Tek-CARE Appliance Server. Available in packages of one license (LS622/1), five licenses (LS622/5), 10 licenses (LS622/10), 25 licenses (LS622/25), 100 licenses (LS622/100), and 200 licenses (LS622/200).

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Tek-CARE Nurse Call Systems • Rev. 5 - 3/2022

Features

- Improves staff awareness and efficiency
- Calls can be filtered and zoned
- App-to-station and app-to-master audio support
- Send and receive text messages
- View resident information
- Call tone sounds for the highest priority call

Description

The LS621/LS631-series Tek-CARE Staff App is a powerful tool for facility staff that improves resident care and satisfaction while giving staff members improved situational awareness and improving the efficiency of your care staff.
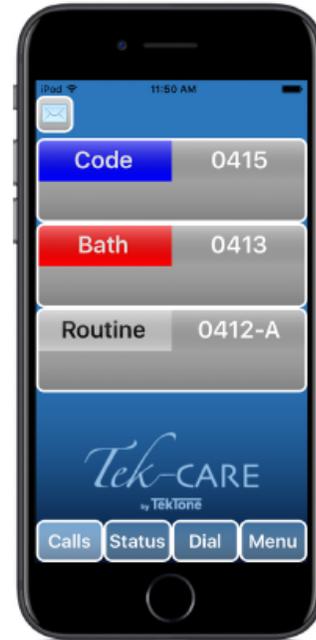
The Tek-CARE Staff App requires an NC475 Tek-CARE Appliance Server to be installed as part of the Tek-CARE system. Both the NC475 and the device running the Tek-CARE Staff App must be networked together on the same facility LAN.

In order to enable Tek-CARE Staff App functionality on the Tek-CARE system, contact TekTone Sales and purchase the LS620 App Server and LS621-series licenses as required for non-voice. Purchase the LS630 voice-based App Server and LS631-series licenses as required for the audio and voice-based option. The LS621/LS631 licenses can be purchased in packs of 1, 5, 10, 25, 50, 100, and 200.

When a patient calls the staff from a room station, the assigned staff member can answer immediately and speak directly with the patient using the Staff App with LS631 voice-based licensing on a configured mobile device.

The Tek-CARE Staff App operates as a staff device on the Tek-CARE system, allowing each individual app to be configured for a particular staff member's needs.

Up to 255 Tek-CARE Staff Apps can be used concurrently on a single system.

LS621/LS631 Tek-CARE Staff App

Specifications

Connections: WiFi connection to facility LAN.

Required Components

NC475 Tek-CARE Appliance Server
Mobile iOS Devices currently supported by Apple (The Tek-CARE Staff App requires devices running iOS 10.3 or later.)
Mobile Android Device (Devices must run Android 4.1 or later.)
LS620 Tek-CARE App Server license, non-voice.
or
LS630 Tek-CARE App Server license, voice.

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Features

- Can be placed anywhere in the facility with network connectivity
- Calls can be filtered and zoned
- Resident info can be removed for HIPPA compliance
- A call tone sounds for the highest priority call

Description

The LS622-series Tek-CARE App for TV is designed to be used as a cost-effective and attractive event monitor for the Tek-CARE system. The Tek-CARE TV App can be downloaded from the App Store free of charge.

The LS622-series Tek-CARE App for TV requires a 4th Generation or newer Apple TV. The Apple TV can be purchased from any major electronic retailer.

The Apple TV requires an NC475 Tek-CARE Appliance Server to be installed as part of the Tek-CARE system. Both the NC475 and the Apple TV running the Tek-CARE TV must be networked together on the same LAN.

In order to enable the Apple TV functionality on the Tek-CARE system, contact TekTone Sales and purchase the LS622/x software license. The LS622 can be purchased in packs of 1, 5, 10, 25, 100, and 200.

The Apple TVs with the LS622/x license can be zoned to display calls from desired zones to improve staff awareness and efficiency. In situations where the monitor is visible to facility visitors, the app can also be set to not display resident names.

Up to 255 Apple TVs with the LS622/x license can be installed on a single system.

LS622-series Tek-CARE App for TV

4th Generation Apple TV

Specifications

Connections: Ethernet or WiFi connection to facility LAN.

Required Components

- NC475 Tek-CARE Appliance Server
- 4th Generation (or newer) Apple TV and compatible display

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Features

- Provides interface between telephone line and the NC475 Tek-CARE Appliance Server
- RoHS Compliant
- Allows central monitoring to be added to Tek-ALERT and Tek-CARE systems

Description

The NC503 Central Monitoring Modem allows central monitoring to be added to the Tek-ALERT® Alert Integration Manager or to a Tek-CARE® nurse call or emergency call system. The NC503 provides an interface between the system's Tek-CARE Appliance Server and a telephone line in order to send alarm messages to a central monitoring station.

The NC503 Central Monitoring Modem is connected to the Tek-CARE Appliance Server via a standard straight serial cable, and is connected to a telephone wall jack using a standard 6-position/2-wire telephone cable. The NC503 includes the auto dialer, a straight serial cable, a power adapter with cord, and a telephone cable.

Applicable Components

NC475 Tek-CARE Appliance Server running Tek-CARE Software version 1.16 or greater, plus one or more:

- Tek-CARE®120/160 Nurse Call Systems
- Tek-CARE®300 II/III Nurse Call System
- Tek-CARE®400 P5 & P5+ Nurse Call Systems
- Tek-CARE®400 GEN3 Nurse Call System
- Tek-CARE®500 Wireless Nurse Call System
- Tek-CARE®700 Wander Management System
- Tek-ALERT® Alert Integration Manager

NC503 Central Monitoring Modem

Specifications

Dimensions:	0.88"H × 4"W × 6"D (22 mm × 102 mm × 152 mm)
Power:	9 VAC, 1000 mA power adapter
Environment:	0°C–60°C
Connections:	Plug-in type
Isolation:	Mechanical relay, Opto-isolator and telephone coupling transformer
Housing:	High-strength plastic

Listings

RoHS Compliant.

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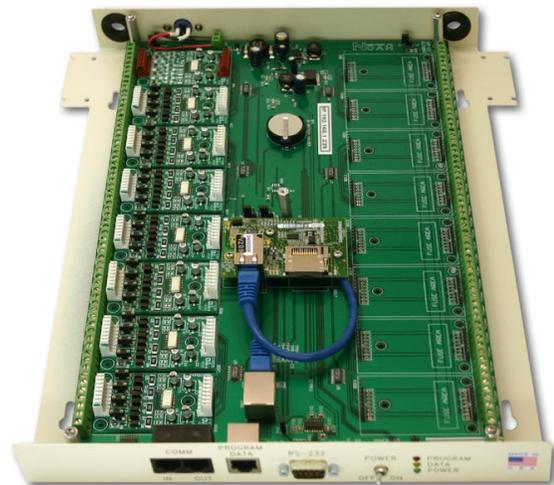
Description

The NC377-series Voltage Interface is used with the Tek-ALERT® Alert Integration Manager to connect switched voltage analog systems to the Tek-ALERT system. Tek-ALERT enables such advanced features as consolidated event monitoring, management reporting, and paging for all connected systems. TekTone's Tek-CARE® NC110, NC150 and NC200 Nurse Call Systems, as well as a variety of non-TekTone systems, use the voltage interface to communicate with the Tek-ALERT system. The voltage interface recognizes three states: off, steady on, and flashing; and can connect systems with input voltage from 5V to 50V, AC or DC.

The NC377-series Voltage Interface can also integrate TekTone's Tek-CARE NC110, NC150 and NC200 Nurse Call Systems directly with the NC365B Paging Transmitter. In this scenario, it connects directly to the nurse call master. The NC377-series Voltage Interface sends nurse call priority information via a serial port to the NC365B Paging Transmitter. The transmitter then transmits this information to the pagers, allowing the staff to distinguish call priority levels.

The voltage interface 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 NC365B Paging Transmitter to accommodate up to 576 inputs. (Maximum cable distance from the first NC377-series to the last one is 1,000 feet.)

NC377-series Voltage Interface
(exterior & interior)

Specifications

Dimensions:	14"H × 10"W × 1.5"D (356 mm × 254 mm × 38 mm)
Connections:	Screw terminals: 9-PIN serial connector
Housing:	Surface mounted
Voltage:	Trigger: 24 volts DC Operational: 110 VAC Input
Current:	Less than 450 mA
Output:	Steady on, flashing, and off
Baud Rate:	9600

Required Components

NC365B Paging Transmitter
NC397A Pagers
and Tek-CARE® NC110, NC150, NC200 Nurse Call System
or Tek-ALERT® Alert Integration System

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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Tek-CARE300/II/III Nurse Call and Tek-ALERT • Rev. 5 - 4/2022

Features

- Eliminates expensive long distance cabling
- Becomes a virtual COM port on the NC475 Tek-CARE Appliance Server
- Can be wall or DIN-rail mounted
- Incorporates surge protection

CT601 Serial to IP Converter

Description

The CT601 Serial to IP Converter is used to connect a Tek-CARE®300/II/III nurse call system or a monitored foreign system to a facility's LAN. Events and messages from the connected system are sent across the LAN to the NC475 Tek-CARE Appliance Server.

The CT601 Serial to IP Converter becomes a virtual COM port on the NC475 Tek-CARE Appliance Server, and provides long distance communication between it and the monitored serial device. The CT601 eliminates the otherwise expensive long distance cabling required for these connections.

Configuring the CT601 is accomplished using software provided with the device. The unit can be wall or DIN-rail mounted. The CT601 incorporates surge protection.

Required Components

NC475 Tek-CARE Appliance Server with nurse call system license, event monitor software and reporting software.

Specifications

Dimensions:	3.9"H × 2.8"W × 1.0"D (100 mm × 72 mm × 25 mm)
Serial Port:	Male DB9 serial port, 1200 bps to 115 Kbps, hardware flow control
RS232 Signals:	Rx, Tx, RTS, CTS, DTR, DSR, GND, DCD
Network Port:	10Base-T Ethernet
Protocols:	ARP, IP/ICMP, TCP/IP, Telnet, DHCP client, DNS
Security:	User ID & Password, IP Address filtering
Power:	7.5 ~ 15VDC, 300 mA 7.5V
Environment:	90% non-condensing humidity; 0˚C ~ 50˚C operating temperature
Certification:	FCC (A), CE, MIC

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Features

- Provides uninterrupted power
- Distinctive alarms for on battery and battery low

Description

The PK250B Uninterruptible Power Supply (UPS) provides uninterrupted power in the event of utility power failures, brownouts and blackouts. It is for use with the NC356CE Central Equipment (CE) Module, NC455CE Central Equipment (CE) Module, NC503 Central Monitoring Dialer, and the NC475 Tek-CARE Appliance Server. Its economical cost and compact size will enhance the operation of your system.

When power is interrupted, the PK250B immediately cuts in to provide square wave power for any connected hardware until an emergency generator is activated or power is restored. In the event of a prolonged power outage, the PK250B will provide power to the limit of its battery. Battery backup for the NC475 Tek-CARE Appliance Server is rated for 10 minutes.

The unit has distinctive alarms for *on battery* and *battery low*. Other features include output receptacles for connection of equipment, and power cord for a standard 120 volt, 15 AMP power circuit.

Specifications

Dimensions:	5.5"H × 10.8"W × 4.1"D
	(139.7 mm × 274.3 mm × 104.1 mm)
Battery:	
Type:	Sealed, maintenance-free lead-acid
Capacity:	600 VA / 330 W
Voltage:	115 VAC +/-8%
Frequency:	50 or 60 Hz +/-0.1% (auto-sensing)
Connections:	5x 115 VAC battery backup + surge
	2x 115 VAC surge protection only
	1x USB battery backup + surge
Input:	
Voltage:	120 VAC
Frequency:	50 or 60 Hz
Connection:	5' cord with right angle plug

PK250B Uninterruptible Power Supply (UPS)

Listings

FCC Part 15 Class B, FCC Part 68, TUV, UL$^{®}$ 1778, UL$^{®}$ 2560

Applicable Components

NC356CE Central Equipment Module (Tek-CARE300III Nurse Call System)
NC455CE Central Equipment Module (Tek-CARE400 P5+/GEN3 Nurse Call System)
NC475 Tek-CARE$^{®}$ Appliance Server

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Features

- Metal-case device
- 8P8C Ethernet ports
- Compliant with IEEE 802.3 standards
- Wall mountable or desktop installation options
- No configuration, Plug-and-Play installation

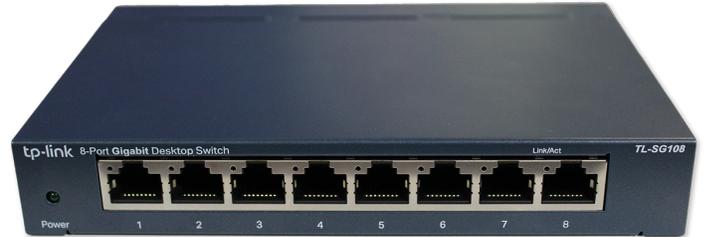NC554/8 Network Switch

Description

The NC554/8 (8-port) Network Switch is used to create the Tek-CARE® Network. This network provides data transmission between Tek-CARE nurse call systems, the Tek-ALERT® Alert Integration Manager, and the NC475 Tek-CARE® Appliance Server from the Tek-CARE central equipment (CE) to master stations, enabling some ancillary features that are too data-intensive for just one CE connection.

The network switch is used in these scenarios:

- Connect multiple master stations, an NC475 Tek-CARE Appliance Server and/or a laptop computer to the single network port on a Gen2 module.
- Each Ethernet cable segment can be up to 328 feet (100 meters). Use multiple network switches between Gen2 master stations and the CE to extend the distance to a maximum of 1000 feet (305 meters).
- Increase distance between CE modules using NC554/8 network switches and NC556 Ethernet to Fiber Converters.
- Add multiple foreign devices by connecting their CT601 Serial to IP Converters to the NC475 Tek-CARE Appliance Server.

These fast Ethernet switches automatically detect the type of network (auto negotiation) and type of cable (auto MDIX) and configure themselves, making for a Plug-and-Play networking solution.

The NC554/8 Network Switch allows up to 7 Ethernet devices to connect to the Tek-CARE Network.

Specifications

Dimensions:	6.2"W × 4"L × 1"D (158 mm ×101 mm × 25 mm)
Standards:	IEEE 802.3ab, 802.3i, 802.1p, 802.3u, and 802.3x
External Ports:	8 Female 8P8C
Cable Length:	328' (100 m) maximum
Enclosure Type:	Steel housing
LED Indicators:	Power, plus 1 Link/Activity per 8P8C port
Power Adapter:	Included
Environment:	0°C–40°C (32°F–104°F), 10%–90% Relative Humidity

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Tek-CARE Nurse Call Systems, Tek-ALERT and Wander Management • Rev. 6 - 9/2023

Features

- Compliant with IEEE 802.3 (10Base-T), 802.3u (100Base-FX) standards, and 802.3u (100Base-TX) standards
- Wall mountable or desktop installation options
- No configuration, Plug-and-Play installation

Description

The NC556 Ethernet to Fiber Converter is used when Ethernet connections in any Tek-CARE[®] nurse call system must be extended over 100 meters. The NC556 Ethernet to Fiber Converter is particularly useful for large campuses or in instances when the Tek-CARE central equipment cabinets are located in multiple buildings and must be interconnected to create a single system.

The NC556 Ethernet to Fiber Converter does not require setup or configuration—it is a truly plug-and-play device and is operationally transparent to the nurse call system. Potential uses for the NC556 include linking Tek-CARE central equipment cabinets, connecting a NC475 Tek-CARE Appliance Server to a remote Tek-CARE central equipment cabinet, or extending the Tek-CARE Network to NC404TS Master Stations.

The NC556 supports a maximum fiber optic cable length of 2 kilometers (1.2 miles). The NC556 is designed for SC-terminated multimode fiber optic cable. The fiber converter fully complies with applicable IEEE 802.3 standards. It is UL[®] 1069 listed for use with the Tek-CARE nurse call system.

A 12 VDC power transformer is included. As an integral part of the nurse call system, the NC556 Ethernet to Fiber Converter must be connected to a Uninterruptible Power Supply and life safety electrical circuit.

TekTone[®] recommends that the NC556 Ethernet to Fiber Converter be installed by a technician who is experienced in making multimode fiber connections.

Listings

UL[®] 1069 Listed and cUL[®] Listed to CSA C22.2 No. 205; UL[®] File Number E71599. Evaluated to UL60950-1 Standard.

NC556 Ethernet to Fiber Converter

Specifications

Dimensions:	3.7"H × 3.0"W × 0.8"D (94 mm × 76 mm × 20 mm)
Local unit connectors:	1- 8P8C Female
Remote unit connectors:	1- Fiber Optic SC Female
Max data transfer rate:	10/100 Mbps
Max transfer distance:	2 km (1.2 miles)
Fiber type:	Multi Mode
Wavelength:	1310 nm
Power consumption:	200 mA @ 12 VDC
Enclosure type:	Plastic
Environment:	0°C - 50°C (32°F - 122°F), 10% - 90% Relative Humidity

Applicable Systems

Tek-CARE[®]120 or 160 Nurse Call Systems
Tek-CARE[®]400, P5/P5+/GEN3 Nurse Call Systems
Tek-ALERT[®] Alert Integration Manager
Tek-CARE[®]500 Wireless Nurse Call System
Tek-CARE[®]700 Wander Management System

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Features

- Alphanumeric
- 2-line 20-character backlit display
- Easy to use large 4-button design
- Preprogrammed with up to 8 user-specified CAP codes
- 4 vibrate patterns and 5 tone alert styles
- Real-time clock
- Message time stamping
- Low battery indicators
- Includes holster belt clip and bungee safety cord

Description

The NC397A Alphanumeric Pager is a radio pager with a large 2-line display. It includes a holster/belt clip and bungee safety cord. The pager is designed for use with TekTone's Tek-CARE nurse call systems, Tek-CARE500 Wireless Emergency Call System, and Tek-ALERT Alert Integration System.

The pager stores up to 60 messages of 239 characters each. 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 deleted first.

The NC397A pager 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 NC397A pager is pre-programmed to receive call information from TekTone® systems.

NC397A Alphanumeric Pager

Specifications

Dimensions:	2.087"H × 2.99"W × 0.67"D (53 mm × 76 mm × 17 mm) without holster belt clip
Weight:	1.76 oz. (50 g) without battery
Protocol:	POCSAG
Operating freq:	457.550 Mhz
Power:	1 AAA battery

Required Components

NC365B Paging Transmitter
plus one of these systems:

- Tek-CARE®400 GEN3 Nurse Call System
- Tek-CARE®400 P5/P5+ Nurse Call System
- Tek-CARE®400 Nurse Call System
- Tek-CARE®300III Nurse Call System
- Tek-CARE®120 or 160 Nurse Call System
- Tek-CARE®NC110/150/200 Nurse Call System (requires NC377-series Paging Interface Adapter/ Voltage Interface)
- Tek-CARE®500 Wireless Nurse Call System
- Tek-ALERT® Alert Integration System
- NC475 Tek-CARE® Appliance Server

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

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.com
Phone: 828.524.9967 • Fax: 828.524.9968 • Sales: Choose option 2 • Tech Support: Choose option 3
TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

Tek-CARE Nurse Call Systems • Rev. 17 - 9/2023

Features

- Preprogrammed for use with TekTone systems
- Approximate one-mile range in ideal conditions

Description

The NC365B 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. The NC365B Paging Transmitter is pre-programmed for use with TekTone® systems for simplified plug-and-play setup.

The system's range depends upon the site and the transmitter's location. To determine the exact coverage, conduct a site survey. Under ideal conditions, the NC365B Paging Transmitter's range is approximately one mile. The unit includes a ¼-wave BNC-terminated antenna to provide coverage that meets most requirements.

Required Components

NC397A Pagers plus one of these systems:

- Tek-CARE®400 GEN3 Nurse Call System
- Tek-CARE®400 P5/P5+ Nurse Call System
- Tek-CARE®400 Nurse Call System
- Tek-CARE®NC300II Nurse Call System
- Tek-CARE®120 or 160 Nurse Call System
- Tek-CARE®NC110/150/200 Nurse Call System (requires NC377-series Paging Interface Adapter/Voltage Interface)
- Tek-CARE®500 Wireless Nurse Call System
- Tek-ALERT®Alert Integration System
- NC475 Tek-CARE® Appliance Server

Optional Components

BA365K Battery Backup Kit

NC365B Paging Transmitter

Specifications

Dimensions:	7.48"H × 12.99"W × 2.76"D (190 mm × 330 mm × 70 mm)
Clearance:	7.87" (200 mm) minimum clearance on all sides
Ports:	Scope protocol RS232 serial DB9 COMP2 protocol RS232 serial DB9 8 dry contact inputs configured as Normally Open (#8 is preprogrammed to send RANGE TEST to CAP code 400 using included dummy plug.)
Housing:	Surface mounted
Frequency:	457.55 MHz
Channel spacing:	12.5 KHz
Adjacent channel:	Better than 200nW @ 4.5 KHz deviation
Baud rate:	9600 serial input 1200 transmit
Power:	115 VAC 0.8 A, 50/60 Hz input 2 Watt output Consumption less than 50 mA standby;up to 2.4 A transmit 13.8 Volts DC operating voltage

Each paging system installed in the United States is required by law to have an FCC license. The FCC license can be obtained directly by the end user or through an authorized agent. The FCC application process takes approximately two weeks and provides the end user with a ten-year renewable license. To apply for an FCC license, visit: http://wireless.fcc.gov/uls/index.htm.

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