Tek-CARE®500
Wireless Nurse Call System

UL® 2560 Listed

Submittal Package
as of 9/11/2017
NC500ESSK Site Survey Kit
IL800 Specification Sheet

Tek-CARE®500 Wireless Nurse Call System • Rev. 5 - 11/2016

Features

- Survey any facility quickly and easily
- Completely portable
- Rechargeable battery operates system up to 6 hours
- Demonstrate the range of 900 MHz Echostream transmitters

Description

The NC500ESSK is a portable, easy-to-use site survey kit that takes the guesswork out of creating a wireless installation plan with a quick and accurate site survey. The NC500ESSK is used to determine the optimum location for transmitters and repeaters in a Tek-CARE®500 Wireless Nurse Call System. The NC500ESSK demonstrates the superior range, performance and reliability in virtually any environment. The NC500ESSK is powered by AA batteries (not included) and is completely portable.

Specifications

Instructions: A step-by-step detailed guide through the survey procedure.

Continuous Alarm Trigger: Turns site surveys into a one-person job.

Universal Contact Transmitter: Activated by the Continuous Alarm Trigger, the Universal Transmitter sends a near-continuous stream of signals to the receiver.

Receiver: Processes radio signals from transmitters and displays status.

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Features

- Proprietary server running Microsoft® Windows® 7 Professional for Embedded Systems, with built-in speaker, plus flat screen monitor, keyboard and mouse.
- Includes paging software module for automatic and manual pages to staff.
- Software module choices include event monitoring, reporting, iOS App, Apple TV displays, admit/discharge/transfer (ADT) interface, and email output.
- 3 network interface cards/ports provide connections to the Tek-CARE network and facility LAN.
- 6 RS232 serial ports provide connections for a paging transmitter, a central monitoring auto dialer, Tek-CARE500 receivers, and Tek-CARE300 CEs.

Description

The Tek-BRIDGE server provides the platform to install and run the ancillary software modules for Tek-CARE healthcare communications systems and the Tek-ALERT alert integration system.

It also supplies ports for the Tek-CARE network; a local area network (LAN) or the facility’s LAN; the radio pocket paging system’s paging transmitter; Tek-CARE300 II central equipment; the NC502 Central Monitoring Auto Dialer, NC510ES EchoStream Receiver, and NC510 FA Receiver.

The Tek-BRIDGE includes the **LS450 Config Tool**, which is used to set up and customize Tek-CARE and Tek-ALERT systems and their add-on components, and to save the system configuration.

Listings

The Tek-BRIDGE is listed by Underwriters Laboratories, Inc. to the UL 1069 seventh edition standard for Hospital Signaling and Nurse Call Equipment, the UL 2560 standard for Emergency Call Systems, and cUL listed to CSA C22.2 No. 205. UL File Number E71599.

Applicable Systems

Tek-CARE®120 nurse call system
Tek-CARE®300 II nurse call system
Tek-CARE®400 nurse call system
Tek-CARE®400 P5 nurse call system
Tek-CARE®500 wireless nurse call system
Tek-CARE®700 wander management system
Tek-ALERT® alert integration manager

Hardware Options

- PK250B Uninterruptible Power Supply (UPS)
- NC502 Auto Dialer for Central Monitoring

**Tek-PAGING® UHF Pocket Paging System:**
- NC365B Paging Transmitter
- NC397A Alphanumeric Pagers
- SI005 LED Messaging Sign

**Tek-CARE Network Equipment:**
- NC554/5 5-port Network Switch
- NC554/8 8-port Network Switch
- NC556 Ethernet to Fiber Converters
- CT601 Serial (RS232) to IP Converter
- CT701 Serial (RS485) to IP Converter
**Software License Selections**

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

**System Connectivity:**
- **LS120 Tek-CARE120 connectivity license** enables the Tek-BRIDGE to import events from Tek-CARE120 nurse call systems.
- **LS301 Tek-CARE300 II connectivity license** enables the Tek-BRIDGE to import events from Tek-CARE300 II nurse call systems.
- **LS400 Tek-CARE400 connectivity license** enables the Tek-BRIDGE to import events from Tek-CARE400 nurse call systems.
- **LS500 Tek-CARE500 connectivity license** enables the Tek-BRIDGE to import events from FA, ES, and UL version Tek-CARE500 wireless nurse call systems.
- **LS600 Tek-ALERT connectivity license** enables the Tek-BRIDGE to import events from other systems, such as nurse call and fire alarm. (One LS600 required per foreign device.)
- **LS700K Tek-CARE700 connectivity license with Starter Kit** enables the Tek-BRIDGE to import events from our wander management system. It includes the NC708 Starter Kit with STAD-N, testing tag, #6 spanner hex bit, and programming adapter for door controllers.

**Event Monitors & Reporting:**
- **LSMON-series Event Monitors** display activity from all connected systems. This software is installed on the Tek-BRIDGE server, plus up to nine personal computers networked to the Tek-BRIDGE. (PCs must be running Microsoft Windows.) Available in packages of one license (LSMON1), five licenses (LSMON5), or ten licenses (LSMON10).
- **LS610-series Reporting** records all activity on the Tek-BRIDGE, and provides custom reports on this activity for follow-up review and evaluation by management. Reports are viewed using a web browser by any computer networked to the Tek-BRIDGE. They may also be printed, saved as HTML files for later viewing in a web browser, or saved as 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), 1000 points (LS610/10), 2500 points (LS610/25), and 5000 points (LS610/50). A point is one Tek-CARE 120 defined location, Tek-CARE300 II addressable device, Tek-CARE400 addressable device, Tek-CARE500 transmitter, Tek-ALERT device ID, or Tek-CARE700 tag.

**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-CARE400 nurse call system’s patient database. Information in these fields is then available for display at NC401TS and NC402TS Touchscreen Nurse 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 cellphone.

**Tek-CARE iOS App:**
- **LS620 Tek-CARE non-voice App Server license** enables the Tek-BRIDGE server to send events via the facility’s WiFi to iOS devices running the LS621-series app.
- **LS621-series Tek-CARE non-voice iOS App** enables iPhone, iPad and iPod touch devices to act as portable Event Monitors. Up to 10 devices running the Tek-CARE app can be active on the system at one time. Install licenses on the Tek-BRIDGE server, and download the app from the Apple App Store. Requires the LS620 Tek-CARE App Server License and iOS version 9.3 or higher. Available in packages of one license (LS621/1), five licenses (LS621/5), or ten licenses (LS621/10).

**Tek-CARE App for Apple TVs:**
- **LS622-series Tek-CARE App for Apple TV licenses** enables a 4th Generation 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-BRIDGE server. Available in packages of one license (LS622/1), five licenses (LS622/5), or ten licenses (LS622/10).

NOTE: The Tek-BRIDGE and its software are ancillary to the nurse call system and must not be used as the primary means of annunciation for the nurse call system. To respond to calls, staff must have access to features that are available only on the nurse call system’s master stations.
Description

The PK250B Uninterruptible Power Supply provides uninterrupted power in the event of utility power failures, brownouts and blackouts. It is for use with the Tek-CARE® NC300II Nurse Call System, the NC450MICRO Central Equipment (CE), and the Tek-BRIDGE® 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 Tek-BRIDGE 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

<table>
<thead>
<tr>
<th>Battery Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity: 600VA / 330 W</td>
</tr>
<tr>
<td>Voltage: 115 VAC +/- 8%</td>
</tr>
<tr>
<td>Frequency: 50 or 60 Hz +/- 0.1% (auto-sensing)</td>
</tr>
<tr>
<td>Connections: 5x 115 VAC battery backup + surge</td>
</tr>
<tr>
<td>2x 115 VAC surge protection only</td>
</tr>
<tr>
<td>1x USB battery backup + surge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage: 120 VAC</td>
</tr>
<tr>
<td>Frequency: 50 or 60 Hz</td>
</tr>
<tr>
<td>Connection: 5’ cord with right angle plug</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Sealed, maintenance-free lead-acid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall: 5.5&quot; x 10.8&quot; x 4.1&quot;</td>
</tr>
<tr>
<td>Weight: 7.5 lbs.</td>
</tr>
</tbody>
</table>

Operating temperature range is +32°F to 104°F with 0–95% non-condensing relative humidity.

Listings

FCC Part 15 Class B, FCC Part 68, TUV, UL® 1778, UL® 2560

Applicable Components

- Tek-CARE® NC300II Nurse Call System
- NC450MICRO Central Equipment (Tek-CARE®400 Nurse Call System)
- Tek-BRIDGE® Server
- NC465 Media Gateway
NC510UL Receiver
IL802 Specification Sheet

Tek-CARE®500 Wireless Nurse Call System • Rev. 8 - 11/2016

Features

- UL® 2560 Listed
- Facilitates supervision of transmitters
- 900 MHz spread-spectrum radio
- Snap-on/pry-off cover

Description

The NC510UL Receiver enables communication between transmitters and the Tek-BRIDGE® Server in a Tek-CARE®500 Wireless Nurse Call System. The NC510UL facilitates supervision of all transmitters. The NC510UL's 900 MHz spread-spectrum radio provides reliability, even in hostile or difficult radio environments. EchoStream® technology with diversity reception and advance signal processing minimizes nulls or dead spots. The NC510UL Receiver includes slots through the side and bottom of the case for wiring. Transmitters are programmed using default information stored in the receiver.

Specifications

Dimensions: 6.5"W × 3.5"H × 1.0"D
(165 mm × 89 mm × 25 mm)
Weight: 5.3 oz.
Power Required: 12 VDC provided by PK510 Power Supply/PC Interconnect Assembly
Frequency: 902–928 MHz frequency-hopping spread spectrum
Environment: 0°–60°C (32°–140°F) and up to 90% non-condensing relative humidity

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System

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**Features**

- UL® 2560 Listed
- 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

**Description**

The NC511UL is a high power repeater and locator for the Tek-CARE®500 Wireless Nurse Call System. The NC511UL 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 NC511UL Repeater/Locator uses signal strength to distinguish between original and retransmitted signals, to ensure that the NC510UL 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.

**Specifications**

- **Dimensions:** 3.5"H × 6.5"W × 1"D  
  (89 mm × 165 mm × 25 mm)
- **Weight:** 7.14 oz.
- **Environment:** –4°F to 140°F, 0% to 90% non-condensing relative humidity
- **Power:** 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)

**Listings**

UL® 2560 Listed; UL® File Number E71599.

**Required Components**

- Tek-CARE®500 Wireless Nurse Call System

**Optional Components**

- IH511 Weatherproof Housing

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Features

- UL® 2560 Listed
- Fully supervised wireless 900MHz transmitter
- 60% smaller and lighter than previous pendants
- Neck lanyard and wristband versions
- Waterproof
- Vibration and blinking red LED for call assurance
- Low battery warning before battery depletion
- Customer-replaceable, 3V lithium-metal battery

Description

The SF503UL Neck Lanyard Pendant and SF504UL Wristband Pendant feature the great range and reliability of 900 MHz in a small, waterproof package. The pendants can be worn in the shower or bathtub, outside in the rain, or other environments where they may be splashed with water or momentarily submerged.

The pendants have a single-button design with “press and one-second hold” activation, making them very easy to use but very resistant to false alarms. When a pendant is activated, it vibrates briefly and its red LED blinks rapidly for five seconds, then blinks slowly until the alarm is cleared. Alarms may be cleared by placing an RP500 Alarm Clearance Card over the button, or by a sequence of button presses.

The pendant transmitters are especially suited for assisted living installations. They feature a fully supervised RF link to ensure reliability. The built-in LED flashes with all transmissions, including supervision, so the user can see that the transmitter is still functioning.

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>1.6&quot;H × 1.6&quot;W × 0.5&quot;D (40 mm × 40 mm × 12.5 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.6 oz. (17 g) with battery inserted</td>
</tr>
<tr>
<td>Range</td>
<td>1 mile, open field</td>
</tr>
<tr>
<td>Environment</td>
<td>32°F–140°F (0°C–60°C) Waterproof to IP67 standard</td>
</tr>
<tr>
<td>Battery</td>
<td>3V Lithium (BA004)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>One year at 5 activations/day and 10 minute alarm reset time</td>
</tr>
</tbody>
</table>

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System

Optional Components

RP500K Alarm Clearance Cards – 10 each

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SF515UL PIR Motion Detector
IL808 Specification Sheet

**Features**

- UL® 2560 Listed
- Reliable 900 Mhz transmitter operation
- Quad Element PIR
- Sequence processor with bi-directional pulse counting and event verification
- Wall or ceiling mounting options
- Fire-retardant antique white ABS plastic housing

**Description**

The SF515UL Wireless PIR Motion Detector is for use with the Tek-CARE®500 Wireless Nurse Call System. The detector features advanced digital signal processing to recognize "human signature" size and movement, reducing false alarms. The SF515UL has a tamper-protected case and the 3V lithium battery is included.

The SF515UL Wireless PIR Motion Detector is ideal for residential and low-traffic commercial applications. The SF515UL features immunity to radio interference, vibration, static, stray light, rapid temperature changes and other false alarm sources. It provides 85° × 49' coverage.

**Specifications**

- **Dimensions:** 4.5"H × 2.5"W × 1.6"D  
  (114 mm × 64 mm × 41 mm)
- **Environment:** 32°F to 122°F, 0%–90% non-condensing relative humidity
- **Battery:** 3V Lithium (BA505)
- **Coverage Area:** 85° × 49', mounted 6'10" to 8' 0" high

**Listings**

- UL® 2560 Listed; UL® File Number E71599.

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**Required Components**

Tek-CARE®500 Wireless Nurse Call System

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Description

The SF520UL Door/Window Egress Transmitter is for use with Tek-CARE®500 Wireless Nurse Call System. The SF520UL transmits signals at the 900 MHz frequency. It sends supervision signals to the Tek-CARE500 system at a selectable interval, making it ideal for both high security installations and residential installations.

The SF520UL includes a built-in magnetic reed switch in a tamper-proof case. The magnet supports a 5/8" gap, and the unit supports an NO or an NC external contact. The SF520UL requires no physical wiring connections to transmit an alarm call and is powered by a 3V lithium battery. A mounting bracket is also provided.

Specifications

- Dimensions: 3.5"H × 1.7"W × 0.9"D (89 mm × 43 mm × 23 mm)
- Construction: Attractive, flame retardant ABS plastic
- Distance: 10 feet maximum between transmitter and external switch
- Contact Closure: 1.5 seconds minimum
- Battery: 3.0V Lithium (BA505)
- Environment: 0°–60°C

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System

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Description

The SF525UL and SF525/2UL Universal Contact Wireless Transmitters are for use with Tek-CARE®500 Wireless Nurse Call System. The SF525UL and SF525/2UL transmit signals at the 900 MHz frequency. They send supervision signals to the Tek-CARE®500 system at a selectable interval, making it ideal for both high security installations and residential installations. The transmitters are for use with any standard NO or NC contact (15 msec duration) or sensor. The SF525UL includes one selectable NO/NC input; the SF525/2UL include a selectable NO/NC input, plus an NC-only input.

The SF525UL and SF525/2UL require no physical wiring connections to transmit an alarm call and are powered by a 3V lithium battery. Each has a tamper-proof case and includes a mounting bracket.

Specifications

Dimensions: 3.5"H × 1.7"W × 0.9"D
(89 mm × 43 mm × 23 mm)

Construction: Attractive, flame retardant ABS plastic

Contact Closure: 1.5 seconds minimum

Battery: 3.0V Lithium (BA505)

Environment: -20°–60°C

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System

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Description

The SF527UL Wireless Support Module is for use with the Tek-CARE®500 Wireless Nurse Call System. When the SF527UL is connected to the SF337C Waterproof Emergency Station, the station operates as a wireless device in the Tek-CARE®500 system.

When properly installed, the SF527UL/SF337C assembly may be located in a shower, bath or tub room, regardless of environmental conditions (stainless steel and other metal fixtures may interfere with the signal transmission).

The SF527UL transmits signals in the 900MHz frequency band. It includes a universal transmitter and a pre-assembled 7-pin wiring harness for connection to the SF337C Emergency Station. The SF527UL requires no other wiring connections and is powered by a user-replaceable 3V lithium battery.

Specifications

- Dimensions: 3.5"H × 1.7"W × 0.9"D (89 mm × 43 mm × 23 mm)
- Construction: Attractive, flame retardant ABS plastic
- Connections: Plug-in type
- Flush Housing: Plastic single-gang box with minimum 2.875" × 2.125" opening.
- Surface Housing: TekTone® IH527 plastic back box.
- Battery: 3.0V Lithium (BA505)

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System
SF337C Waterproof Emergency Station

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SF337C Emergency Shower Switch
IL629 Specification Sheet

Features

- UL® 1069 Listed
- Waterproof if installed per manufacturer’s instructions
- Call-placed indicator
- Call cancel at point of origin
- Attractive, flame-retardant (UL® 94V-0) plastic faceplate
- 1.1" (28mm) wide pull-down lever
- Washable TPU plastic pull cord kit is included

Description

The SF337C Emergency Shower Switch is for any location where activation of an emergency signal is required. The design is such that it may be located anywhere in a shower, bath or tub room, regardless of environmental conditions. The combination of rubber-grommeted mounting screws, rubber mounting gasket, and completely sealed front faceplate make it waterproof (if properly installed). Electronic components are mounted on a circuit board, including an industry-proven reliable reed switch for call initiation. The activating magnet is mounted on the large pull-down lever, which is completely sealed in plastic. The indicator LED is also completely sealed.

Due to the flexibility of its design, the SF337C may be used as a pull cord or as a pull down activated emergency switch. The pull cord supplied may be used for emergency call activation, or if desired, the large 1.1" (28 mm) red pull-down lever may be used. Dome light and system annunciation vary according to the manner in which the SF337C is connected.

Listings

UL® 1069 listed; UL® File Number E71599.

Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Height:</th>
<th>4.5&quot;</th>
<th>(114.3 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width:</td>
<td>2.8125&quot;</td>
<td>(71.4 mm)</td>
</tr>
<tr>
<td></td>
<td>Overall Depth:</td>
<td>1.75&quot;</td>
<td>(44.4 mm)</td>
</tr>
<tr>
<td></td>
<td>Projects Front:</td>
<td>0.71&quot;</td>
<td>(18 mm)</td>
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<tr>
<td></td>
<td>Projects Rear:</td>
<td>1.04&quot;</td>
<td>(26.4 mm)</td>
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<tr>
<td>Construction</td>
<td>Flame-retardant (UL® 94V-0) plastic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connections</td>
<td>Plug-in type.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flush Housing</td>
<td>Single-gang ring with square box; for Tek-CARE®500 use plastic single-gang box with minimum 2.875&quot; × 2.125&quot; opening.</td>
<td></td>
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</tr>
<tr>
<td>Surface Housing</td>
<td>TekTone® IH527 plastic back box for Tek-CARE®500.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Applicable Systems

Tek-CARE®400 P5 Nurse Call System
Tek-CARE®300II Nurse Call System
Tek-CARE® NC200, NC150, NC110 Nurse Call Systems
Tek-CARE®500 Wireless Emergency Call System

www.tektone.com
324 Industrial Park Road • Franklin, NC 28734 • tektone@tektone.net
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 standard. (Reference #10001510.)
Features

- UL® 2560 Listed
- Fully supervised wireless 900MHz transmitter
- Low battery warning before battery depletion
- Call assurance LED
- Resident check-in capability
- Field replaceable 3V lithium battery
- Washable TPU plastic pull cord kit is included

Description

The SF529UL Wireless Check-In/Assistance Call Station features the great range and reliability of 900MHz signaling. This unit can be wall mounted near any resident location for call placement (stainless steel and other metal fixtures may interfere with the signal transmission).

Calls are latched locally to ensure that residents receive direct staff attention. The device includes a call assurance LED. Resident check-ins are placed by pressing the Check-In push button during set check-in times. The SF529UL features a fully supervised RF link to ensure reliability and to monitor battery state. The battery is a customer replaceable 3V lithium.

Specifications

| Dimensions: | Height: 4.5" (114.3 mm) |
| Width: 2.8125" (71.4 mm) |
| Overall Depth: 1.95" (49.5 mm) |
| Projects Front: 0.71" (18 mm) |
| Projects Rear: 1.24" (31.5 mm) |
| Construction: Flame-retardant (UL® 94V-0) plastic |
| Flush Housing: Plastic single-gang box with minimum 2.875" x 2.125" opening |
| Surface Housing: TekTone® IH528 plastic back box |
| Battery: 3.0V Lithium (BA505) |

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE®Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Features

• UL® 2560 Listed
• Fully supervised wireless 900MHz transmitter
• Provides standard ¼" receptacle, suitable for use with many call cord types
• Checks for cord out state
• Low battery warning before battery depletion
• Call assurance LED
• Field replaceable 3V lithium battery

Description

The SF530UL single resident bed station features the great range and reliability of 900MHz signaling. This unit can be wall mounted near any resident location for call placement. It provides a standard ¼" call cord receptacle along with a reset button. Calls are latched locally to ensure that residents receive direct staff attention. The device includes a call assurance LED as well as cord out detection. The SF530UL features a fully supervised RF link to ensure reliability and to monitor for battery low condition. The battery is a customer replaceable 3V lithium.

Specifications

Dimensions: Height: 4.5" (114.3 mm)  
Width: 2.8125" (71.4 mm)  
Overall Depth: 2.35" (59.7 mm)  
Projects Front: 0.4375" (11.1 mm)  
Projects Rear: 1.9125" (48.6 mm)

Construction: Flame-retardant (UL® 94V-0) plastic
Flush Housing: Plastic single-gang box with minimum 2.875" x 2.125" opening
Surface Housing: TekTone® IH527 plastic back box
Battery: 3.0V Lithium (BA505)

Listings

UL® 2560 Listed; UL® File Number E71599.

Required Components

Tek-CARE®500 Wireless Nurse Call System

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
SF531UL Wireless Emergency Call Station
IL840 Specification Sheet

Features
- UL® 2560 Listed
- Fully supervised wireless 900MHz transmitter
- Low battery warning before battery depletion
- Call assurance LED
- Field replaceable 3V lithium battery
- Washable TPU plastic pull cord kit is included

Description
The SF531UL Wireless Emergency Call station features the great range and reliability of 900MHz signaling. This unit can be wall mounted near any resident location for call placement (stainless steel and other metal fixtures may interfere with the signal transmission).

Calls are latched locally to ensure that residents receive direct staff attention. The device includes a call assurance LED. The pull cord supplied may be used for emergency call activation, or if desired, the large 1.1" (28 mm) red pull-down lever may be used. The SF531UL features a fully supervised RF link to ensure reliability and to monitor battery state. The battery is a customer replaceable 3V lithium.

Specifications

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>4.5&quot; (114.3 mm)</td>
</tr>
<tr>
<td>Width</td>
<td>2.8125&quot; (71.4 mm)</td>
</tr>
<tr>
<td>Overall Depth</td>
<td>1.95&quot; (49.5 mm)</td>
</tr>
<tr>
<td>Front Projects</td>
<td>0.71&quot; (18 mm)</td>
</tr>
<tr>
<td>Rear Projects</td>
<td>1.24&quot; (31.5 mm)</td>
</tr>
<tr>
<td>Construction</td>
<td>Flame-retardant (UL® 94V-0) plastic</td>
</tr>
<tr>
<td>Flush Housing</td>
<td>Plastic single-gang box with minimum 2.875&quot; × 2.125&quot; opening</td>
</tr>
<tr>
<td>Surface Housing</td>
<td>TekTone® IH5 28 plastic back box</td>
</tr>
<tr>
<td>Battery</td>
<td>3.0V Lithium (BA505)</td>
</tr>
</tbody>
</table>

Listings
UL® 2560 Listed; UL® File Number E71599.

Required Components
Tek-CARE®500 Wireless Nurse Call System

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Features

- UL® 1069 Listed; SF301A is also UL® 2560 Listed
- Oxygen safe
- Impact resistant and waterproof
- Small, lightweight pendant fits comfortably in hand
- Bed clips included

Description

The TekTone® SF301A (single) or SF302 (double) call cords are for use with the Tek-CARE® nurse call systems and wireless emergency call systems, where ¼” phono jacks are used. Ten-foot cords are also available as SF301A/10 and SF302/10. The SF301A and SF302 are oxygen safe call cords certified safe for use by all patients receiving oxygen therapy. These waterproof and impact resistant call cords have completely sealed push buttons.

Listings

SF301A is UL® 1069 and UL® 2560 Listed; SF302 is UL® 1069 Listed; UL® File Number E71599.

Specifications

Connection: ¼” (6.35 mm) plug-in phono jack
Construction: SPST-1A switch
Integral brass, fine silver contacts
1 AMP, 115 watt maximum, AC
Dimensions: 7’ (2.13 m) long polyvinyl covered cord

Required Components

Tek-CARE®500 Wireless Nurse Call System
with SF530ES or SF530UL Room Stations
or
Tek-CARE®120 Nurse Call System
with SF121 or SF122 Room Stations
or
Tek-CARE®300II Nurse Call System
with SF380A Patient Stations
or
Tek-CARE® NC200N or NC150N Nurse Call Systems
with IR151B or IR152B Patient Stations
or
Tek-CARE® NC110N Nurse Call System
with SF100C or SF102 Patient Stations
Features

- UL® 1069 Listed
- Sensitive touch activation
- Oxygen tent safe
- Ideal for geriatric use
- Momentary, air-activated switch
- Adjustable bed clip(s)

Description

TekTone® SF301G and SF302G Call Cords are for use with Tek-CARE® nurse call systems and wireless emergency call systems where ¼” phono jacks are used.

SF301G and SF302G Call Cords are specifically designed for use in geriatric and oxygen environments, but may also be used in general applications. To place a call, the patient applies slight pressure to the squeeze bulb using any part of the body. The force of air through the vinyl tubing closes a switch in the plug, thus placing a call. An adjustable bed clip is supplied for the SF301G and is attached to the call cord. Two adjustable bed clips are supplied with the SF302G.

Listings

UL® 1069 Listed; UL® File Number E71599.

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch</td>
<td>Momentary contact, air activated</td>
</tr>
<tr>
<td>Plug</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Cord</td>
<td>Vinyl tubing</td>
</tr>
<tr>
<td>Electrical</td>
<td>Rated current 1/3 amp, 24 VAC-VDC</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Cord: 6' long (1.83 m)</td>
</tr>
<tr>
<td></td>
<td>Plug: 1.25&quot; long (32 mm)</td>
</tr>
<tr>
<td></td>
<td>Bulb: 1.5&quot; diameter (38 mm)</td>
</tr>
</tbody>
</table>

Required Components

Tek-CARE®500 Wireless Nurse Call System
with SF530ES or SF530UL Room Stations

or

Tek-CARE®120 Nurse Call System
with SF121 or SF122 Room Stations

or

Tek-CARE®300II Nurse Call System
with SF380A Patient Stations

or

Tek-CARE® NC200N or NC150N Nurse Call Systems
with IR151B or IR152B Patient Stations

or

Tek-CARE® NC110N Nurse Call System
with SF100C or SF102 Patient Stations
Features

- Maintenance free
- Easy installation
- Knockouts provided

Description

The IH511 Weatherproof Housing is an attractive indoor or outdoor housing for the Tek-CARE®500 Wireless Nurse Call System. The IH511 accommodates an NC511UL Repeater/Locator. The housing is constructed of plastic for durability, and for unhindered signal reception and transmission. Knockouts are included on the back to allow the connection of an AC transformer.

Specifications

Dimensions: 7"H × 7"W × 3"D
(178 mm × 178 mm × 76 mm)

Required Components

Tek-CARE®500 Wireless Nurse Call System

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Description

The IH527 Surface-Mount Single-Gang Plastic Back Box is for use with the Tek-CARE®500 Wireless Nurse Call System. The back box is used to surface mount the SF527UL/SF337C Waterproof Emergency Switch assembly and the SF530UL Room Station.

The IH527 is constructed of durable ABS plastic to coordinate with the emergency switches, and does not interfere with wireless transmission signals. The back box includes mounting holes on the back for attachment to the wall. The SF527UL Wireless Support Module is placed inside the IH527, and then the SF337C Emergency Switch or the SF530UL Room Station is attached to the mounting holes on the front of the IH527.

Specifications

<table>
<thead>
<tr>
<th>Material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS plastic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height:</td>
</tr>
<tr>
<td>Width:</td>
</tr>
<tr>
<td>Depth:</td>
</tr>
<tr>
<td>Plastic:</td>
</tr>
</tbody>
</table>

Required Components

Tek-CARE500 Wireless Nurse Call System

—plus—

SF527UL Wireless Support Module
SF337C Waterproof Emergency Switch

—or—

SF530UL Wireless Room Station
SF301A-series Pushbutton Call Cord

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Description

The IH528 Surface-Mount Single-Gang Plastic Back Box is for use with the Tek-CARE®500 Wireless Nurse Call System. The back box is used to surface mount the SF529ES and SF529UL Check-In/Assistance Stations, and the SF531ES and SF531UL Emergency Switches.

The IH528 is constructed of durable ABS plastic to coordinate with the emergency switches, and does not interfere with wireless transmission signals. The back box includes mounting holes on the back for attachment to the wall.

Specifications

| Material: | ABS plastic |
| Dimensions: | Height: 4.5" (115 mm) |
| | Width: 2.85" (72 mm) |
| | Depth: 1.5" (39 mm) |
| Plastic: | 3 mm thick |

Required Components

- Tek-CARE®500 Wireless Nurse Call System
- plus one of these-
  - SF529UL Check-In/Assistance Station
  - SF531UL Emergency Switch
  - SF529ES Check-In/Assistance Station
  - SF531ES Emergency Switch

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Description

The NC502 Auto Dialer 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 NC502 provides an interface between the system’s Tek-BRIDGE® server and a telephone line in order to send alarm messages to a central monitoring station.

The NC502 Auto Dialer is connected to the Tek-BRIDGE via a standard straight serial cable, and is connected to a telephone wall jack using a standard 6-position/2-wire telephone cable. The NC502 includes the auto dialer, a straight serial cable, a power adapter with cord, and a telephone cable.

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td><strong>Height:</strong> 1.58&quot; (40 mm)</td>
</tr>
<tr>
<td></td>
<td><strong>Width:</strong> 3.92&quot; (99.5 mm)</td>
</tr>
<tr>
<td></td>
<td><strong>Length:</strong> 7.44&quot; (189 mm)</td>
</tr>
<tr>
<td><strong>Power:</strong></td>
<td>12 VDC, 800 mA power adapter, runs on 120VAC (220VAC is available).</td>
</tr>
<tr>
<td><strong>Connections:</strong></td>
<td>Keyed, plug-in type</td>
</tr>
<tr>
<td><strong>Isolation:</strong></td>
<td>Mechanical relay, Opto-coupler and telephone coupling transformer</td>
</tr>
<tr>
<td><strong>Housing:</strong></td>
<td>High-strength plastic</td>
</tr>
</tbody>
</table>

Applicable Systems

NC474 Tek-BRIDGE® Server, plus one or more:
- Tek-CARE®120 Nurse Call System
- Tek-CARE®300 II Nurse Call System
- Tek-CARE®400 & P5 Nurse Call Systems
- Tek-CARE®500 Wireless Nurse Call System
- Tek-CARE®700 Wander Management System
- Tek-ALERT® Alert Integration Manager
Features
- Adds dome light annunciation to the Tek-CARE®500
- NC505ES and NC507ES include an LCD Display
- LEDs display current status of transmitters
- Functions independently of Tek-CARE500
- Clean appearance for interior mounting

Description
Remote Receivers are designed to allow users of the wireless Tek-CARE500 Wireless Nurse Call System to connect external dome lights, relays, door locks, etc. to the system. This provides for an ancillary annunciation path in addition to the Tek-BRIDGE® event monitor. The remote receivers are not dependent upon the Tek-CARE500’s Tek-BRIDGE.

The remote receivers feature separate, dry-contact Form-C outputs that can be programmed for activation by one or more transmitters.

<table>
<thead>
<tr>
<th>Receiver</th>
<th>Dry Contact Form-C Outputs</th>
<th>Transmitter Inputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC505ES</td>
<td>6</td>
<td>16</td>
</tr>
<tr>
<td>NC506ES</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>NC507ES</td>
<td>12</td>
<td>32</td>
</tr>
</tbody>
</table>

All dry contact outputs are individually configurable for latching, follower, toggle, or momentary activation modes. The NC507ES includes programmable duration for the momentary mode. One NC507ES output may be configured for tamper detection, while the NC505ES and NC506ES each have a separate tamper detection output.

The units are designed for indoor use only, and cable access and connections are hidden. The units feature a clean appearance with visual indication of the status.

All Tek-CARE500 ES and UL transmitters except SF501ES, SF501/2ES, and SF502ES pendants may be used with the NC505ES Remote Receiver to activate outputs.

Specifications
Dimensions:
- NC505ES, NC506ES: 6.5"W × 3.5"H × 1"D
  (165mm × 89mm × 25mm)
- NC507ES: 8.75"W × 7"H × 1.63"D
  (222mm × 178mm × 41mm)

Environment: 32°F–140°F, 0%–90% non-condensing relative humidity

Construction: Plastic outer casing

Connections: Screw barrier blocks

Mounting: Surface-mount via 2 included screws

Power: Provided by PK505 12 VDC 1 Amp plug-in transformer

Required Components
Tek-CARE®500 Wireless Nurse Call System
PK505 Plug-in Transformer

For Dome Light Annunciation:
- LI381, LI382 or LI382LED Dome Lights
- PK601A Power & Control Unit (steady state), or PK152 Power and Control Unit (steady & flash states)
- SS106 Transformer

TekTone® has designed Tek-CARE®500 to work as a system. Its Tek-BRIDGE® Server has been carefully designed and matched to work with Tek-CARE500 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE500 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-CARE500 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 Tek-BRIDGE Server warranty numbers will also be required when requesting technical support.
Description

The PK505 is a class 2 plug-in power supply. It is powered by 110VAC and its output supplies 12VDC with a minimum capacity of 1 amp. The PK505 has a 2-pronged non-polarized plug, so that it can plug into any standard outlet. It includes a 6-foot 22-gauge stranded wire whip.

When used with the Tek-CARE®700 Wander Management System, each PK505 can power any combination of up to 8 NC705 Elevator Deactivation Units and NC706 Fire Panel Interfaces. Maximum distance is 500’ using 18 gauge wire; 250’ using 22 gauge wire.

Specifications

Dimensions: 2.675” × 2.25” × 4.25”
(68 mm × 57 mm × 108 mm)

Wire Whip: 6’ (1.83 m), 22-gauge stranded, 2 conductor

Required For Use With

Tek-CARE®700 Wander Management System:
• NC705 Elevator Deactivation Panel
• NC706 Fire Panel Interface

Tek-CARE®500 Wireless Nurse Call System:
• NC505ES Remote LCD Receiver—16 points, 6 outputs
• NC506ES Remote Receiver—4 points, 4 outputs
• NC507ES Remote LCD Receiver—32 points, 12 outputs
LI381 Corridor Light & LI382 Corridor Zone Light
IL518 Specification Sheet

Tek-CARE® Nurse Call & CM800 Emergency Call Systems • Rev. 21 - 01/2017

Features

- UL® 1069 Listed
- Snap-in lens
- Easy bulb replacement
- Attractive flame-retardant HIPS30 plastic panel
- Excellent visibility

Description

The LI381 Corridor Light and LI382 Corridor Zone Light provide visual indication of calls when used with a nurse call system, emergency call system, or similar application. Emergency calls are indicated by the rapid flashing of the LI381 Corridor Light associated with the calling station. Normal calls produce a steady illumination.

The LI382 Corridor Zone Light indicates an emergency call by the rapid flashing of the red-covered bulb associated with the zone or area from which an emergency call has been placed. Normal calls are indicated by a steady illumination of the white bulb. If an emergency and normal call are placed in the same zone at the same time, the red covered bulb connected to the emergency station will flash rapidly, while the white bulb associated with the normal call will maintain a steady illumination.

The standard mounting plate accommodates both models and features an easily removable white flame-retardant translucent polystyrene plastic lens for bulb replacement.

Listings

UL® 1069 listed; UL® File Number E71599.

Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Height: 4.5625&quot; (115 mm)</th>
<th>Width: 4.5625&quot; (115 mm)</th>
<th>Depth: 3.3&quot; (84 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulbs:</td>
<td>#1829 28V 70 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power: LI381:</td>
<td>24 VDC or VAC, 51mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power: LI382:</td>
<td>24 VDC or VAC, 102mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish:</td>
<td>White flame-retardant translucent polystyrene plastic lens mounted on a flame-retardant (UL®94V-0) plastic panel.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing:</td>
<td>Fits either standard dual gang box and ring or single gang box and ring.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Applicable Systems

Tek-CARE® NC110, NC150, NC200 or NC300II Nurse Call System
Tek-CARE®500 Wireless Emergency Call System with NC50xES-series remote receiver
CM800 Emergency Call System
LI382LED Corridor Zone Light
IL898 Specification Sheet

Features
- UL® 1069 Listed
- Long lasting LEDs
- No bulb replacement required
- Plug-in connector supplied
- Attractive flame-retardant plastic panel

Description
The LI382LED Corridor Zone Light provides visual indication of calls when used with a nurse call system, emergency call system, or similar application.

The LI382LED Corridor Zone Light indicates an emergency call by the rapid flashing of the two red LED bulbs associated with the zone or area from which an emergency call has been placed. Normal calls are indicated by a steady illumination of the two white LEDs. If an emergency and normal call are placed in the same zone at the same time, the red LEDs connected to the emergency station will flash rapidly, while the white LEDs associated with the normal call will maintain a steady illumination.

The standard mounting plate features both one- and two-gang mounting options.

Specifications
- Height: 4.8" (122 mm)
- Width: 5.0" (127 mm)
- Depth: 2.755" (70 mm)
- LEDs: 2V 20mA per LED
- Power: 24 VDC
- Finish: Base is flame-retardant (UL® 94HB) plastic. Lens is flame-retardant translucent polycarbonate plastic.
- Housing: Fits standard one- or two-gang box with one- or two-gang ring.

Listings
UL® 1069 listed; UL® File Number E71599.

Applicable Systems
Tek-CARE® NC110, NC150, NC200 or 300II Nurse Call System
Tek-CARE®500 Wireless Nurse Call System with NC50xes-series remote receiver
CM800 Emergency Call System with CM800-series speaker panel
Features

- Easy installation
- Low-voltage operation
- Multiple applications
- Precision engineering

Description

The PK601A is a 24 VDC power supply designed to power auxiliary signaling devices used in TekTone® emergency call systems. The unit provides a filtered 24 VDC output rated at 1 amp.

Although specifically designed for use with emergency call systems, the PK601A may also be used as a DC silent door opener adapter in TekTone apartment entrance systems.

Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Height: 5&quot; (127 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width: 2.375&quot; (60 mm)</td>
</tr>
<tr>
<td></td>
<td>Depth: 2.25&quot; (57 mm)</td>
</tr>
<tr>
<td>Construction</td>
<td>Quality electronic components mounted on a PC board encased in a rugged extruded aluminum housing</td>
</tr>
<tr>
<td>Connections</td>
<td>Screw terminals</td>
</tr>
<tr>
<td>Mounting</td>
<td>Surface</td>
</tr>
<tr>
<td>Output voltage</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Output current</td>
<td>1 amp</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>16 VAC, 30 VA</td>
</tr>
</tbody>
</table>

Suggested Uses

- **Tek-CARE® 500 Wireless Nurse Call System**
- NC50xES-series Remote Receiver
- LI381, LI382 or LI382LED Dome Lights

- **CM800 Emergency Call System**
  - BE007 DC Corridor Bell
  - PK612A DC Flasher

- **Tek-ENTRY® Apartment Entry System**
  - LI404B Auxiliary Strobe for Hearing Impaired
  - PK205 Intercom Amplifier
IH151NK Power & Control Kit
IL367 Specification Sheet

Rev. 17 - 03/2017

Features

• UL® 1069 Listed power & control unit.
• UL® Listed Class 2 transformer.
• Provides steady light and slow tone for normal call; flashing light and rapid tone for emergency call.
• Routine and emergency commons incorporate short-protection circuitry.

Description

The IH151NK Power & Control Kit includes a UL® 1069 Listed PK152 Power & Control Unit and an SS106 UL® Listed Class 2 Transformer, preinstalled in a 19-gauge cold-rolled steel housing. Knockouts are included on all sides except the lid, to allow connection of electrical conduit from any direction. The lid has a knockout which can be used to install an optional key lock.

The PK152 Power & Control Unit contains the electronic circuitry necessary to detect the presence of normal and emergency calls, and to generate audible and visual control signals. It provides steady or intermittent voltages to operate visual signaling devices. The PK152 can also be used as an auxiliary power supply to increase a system's simultaneous call capacity quantity. Protective circuitry has been incorporated to protect routine and emergency call commons from shorts.

Specifications

Dimensions: Height: 11.75" (300 mm)  
Width: 11.75" (300 mm)  
Depth: 3.75" (96 mm)

Construction: 19 gauge, cold-rolled steel
Transformer: 24 VAC, 30 VA (SS106)
Connections: Pigtails (on PK152)
Temperature: 0°C–50°C.
Mounting: Surface-mounted within 50' of master station

Specifications are the minimum requirement for system operation. Some systems may require additional equipment. Contact your factory representative for details.

Applicable Systems

Tek-CARE® NC110, NC150 or NC200 Nurse Call System
Tek-SAFE® Area of Rescue Assistance System
Tek-CARE® 500 Wireless Emergency Call System with NC50xES-series Remote Receiver and LI381, LI382 or LI382LED Dome Lights

Optional Components

Mier BW3000 Offset Cam Lock, or equivalent
Transformer Features
TekTone's SS102A and SS106 Class 2 Transformers offer compact, easy-to-install low voltage AC power sources for use with various TekTone® intercom systems. Both transformers are UL® Listed Class 2 transformers and will safely take themselves offline when overheated. The transformers are constructed for easy surface installation or in a standard 1/2” knockout, and may be used in plastic or metal boxes. Primary wire connections are made using the pre-stripped pigtail and ground wire; secondary connections are made using screw terminals.

Specifications
SS102A 120 VAC primary, 16 VAC 10 VA secondary
SS106 120 VAC primary, 8 VAC 20 VA
16/24 VAC 30 VA secondary

Electric Door Opener Features
TekTone's PO001 Electric Door Opener is for use in unlocking and locking doors from a variety of TekTone remote stations. The door opener can be installed in place of the door lock, or on a door jamb with various door lock sets. The PO001 is a normally locked type with heavy duty coils, and operates on 8-16 VAC or 3-6 VDC. The unit features a flat face with satin zinc finish and solid brass locking latch for long wear. The PO001 is reversible for mortise-type locks and latches up to 1/2” width and throw, and is ideal for most narrow jamb mortise-type installations. Depending on the specific job requirements, the PO001 can be reversed for right or left-hand door installation.

Dimensions
Faceplate: 1.25” × 5.875” (31.8 mm × 149 mm)
Case width: 0.9375” (24 mm)
Case depth: 1.4375” (37 mm)
Latch opening: 1.375” (35 mm)
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.

Specifications

- **Dimensions**: 7.48" × 12.99" × 2.76" (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 0.8A, 50/60 Hz input, 2 Watt output, Consumption less than 50mA standby, up to 2.4A transmit, 13.8 Volts DC operating voltage

Optional Components

- BA365K Battery Backup Kit

Required Components

NC397A Pagers plus one of these systems:
- Tek-CARE®400 P5 Nurse Call System
- Tek-CARE®400 Nurse Call System
- Tek-CARE®NC300II Nurse Call System
- Tek-CARE®120 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

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: wireless.fcc.gov/index.htm?ob=online_filing.

Paging is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.
NC397A Alphanumeric Pager
(Scope Geo 40A9)
IL734 Specification Sheet

Tek-CARE® Nurse Call Systems • Rev. 10 - 11/2016

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.

Specifications

Dimensions: 2.087" x 2.99" x 0.67"
            (53 mm x 76 mm x 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 P5 Nurse Call System
• Tek-CARE® 400 Nurse Call System
• Tek-CARE® 300II Nurse Call System
• Tek-CARE® 120 Nurse Call System
• Tek-CARE® 110/150/200 Nurse Call System (requires NC377-series Paging Interface Adapter/ Voltage Interface)
• Tek-CARE® 500 Wireless Nurse Call System
• Tek-ALERT® Alert Integration System

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

- 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 Tek-CARE® and Tek-ALERT® systems

Description

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-ALERT Alert Integration Manager, Tek-CARE®400 Nurse Call, and Tek-CARE®500 Wireless 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.

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

Required Component

NC365B Paging Transmitter

Applicable Systems

Tek-ALERT® Alert Integration Manager
Tek-CARE®120 Nurse Call System
Tek-CARE®400 P5 Nurse Call System
Tek-CARE®400 Nurse Call System
Tek-CARE®500 Wireless 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.
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®400 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-CARE400 Central Equipment cabinets, connecting a Tek-BRIDGE® to a remote Tek-CARE400 Central Equipment cabinet, or extending the Tek-CARE400 network to NC402TS 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-CARE400 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.

Specifications

- Product Dimensions: 3.7" × 3.0" × 0.8"
- 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: 1310nm
- Power Consumption: 200 mA @ 12 Vdc
- Enclosure Type: Plastic
- Environment: 0°C to 50°C (32°F to 122°F), 10%-90% Relative Humidity

Applicable Systems

Tek-CARE®120 Nurse Call System
Tek-CARE®400 Nurse Call System
Tek-ALERT® Integration Manager
Tek-CARE®500 Wireless Nurse Call System
Tek-CARE®700 Wander Management System