TekTone®

COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Tek-CARE®570
Wireless Nurse Call System

Submittal Package
as of 6/3/2025

Tek-CARE Nurse Call and Tek-ALERT Alert Integration Systems • Rev. 15 - 6/2025

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 Nurse Call System
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
Tek-CARE®3000 Nurse Call 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.
- **LS301 Tek-CARE300II & LS300 Tek-CARE300III connectivity license** enables the Tek-CARE Appliance Server to import events.
- **LS331 Tek-CARE3000 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE3000 Nurse Call Systems.
- **LS400 Tek-CARE400 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE400 Nurse Call Systems.
- **LS435 Tek-CARE400 GEN3 connectivity license** enables the Tek-CARE Appliance Server to import events from Tek-CARE400 GEN3 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 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).

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.

Applicable Components

NC356CE Central Equipment Module (Tek-CARE300III Nurse Call System)
NC455CE Central Equipment Module (Tek-CARE400 P5+/GEN3, Tek-CARE3000 Nurse Call Systems)
NC475 Tek-CARE® Appliance Server

PK250B Uninterruptible Power Supply (UPS)

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

Listings

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

![TekTone logo — COMMUNICATIONS FOR TODAY ... AND TOMORROW.]

Tek-CARE Nurse Call Systems • Rev. 5 - 8/2024

Features

- 24" touchscreen monitor for call annunciation and interaction
- Can be placed anywhere in the facility with LAN connectivity
- Touchscreen monitor for easy interaction
- Displays calls, icons, maps, station information, resident information, and much more
- Calls can be filtered and zoned
- Can operate as a non-interactive display if only a call display is desired
- Optional supervision
- Desk or wall mountable. Wall mount uses a standard VESA mounting system. Wall mounts provided by contractor

Description

The touchscreen NC403TS Tek-CARE Monitor is a purpose-built monitor for the Tek-CARE nurse call system. It is designed to be a cost-effective and attractive option for displaying calls throughout the facility where the full functionality of a master station is not required.

The NC403TS Tek-CARE Monitor is supplied as a complete unit which includes all the necessary hardware for connection to the nurse call system. The NC403TS is connected to the Tek-CARE system via the facility's local area network (LAN).

The NC403TS Tek-CARE Monitor offers many functions used by facility staff on a daily basis, such as call display and the ability to view details about a call, resident information, status display, and more. In addition to a call list view, a map view and icon view are also available if desired. The NC403TS Tek-CARE Monitor can also modify its own annunciation settings and display system faults if desired. Password protection of advanced features is also available.

The NC403TS Tek-CARE Monitor can be zoned to display calls from desired zones to improve staff awareness and efficiency. Up to 254 NC403TS Tek-CARE Monitors can be installed on a single Tek-CARE system.

NC403TS Tek-CARE Monitor

Specifications

Demensions:	14"H × 21.3"W × 1.9"D (356 mm × 541 mm × 48 mm)
Connection:	Ethernet connectivity to facility LAN
Display:	24" touchscreen display

Required Components

NC475 Tek-CARE Appliance Server

Tek-CARE570 Nurse Call System • Rev. 4 - 12/2024

Features

- Uses dual frequencies to reduce interference
- Receives signals on 915 MHz from NC571 Repeaters
- Facilitates supervision of transmitters
- Includes RJ10 to 9-pin serial cable to connect to server
- Surface-mounted
- Two replaceable battery back-up options: 4 D-Cell batteries, or rechargeable 6V SLA

Description

The NC570 Receiver enables communication between transmitters and the Tek-CARE® Appliance Server in a Tek-CARE®570 Wireless Nurse Call System. The NC570 Receiver collects wireless transmissions from NC571 Repeaters placed strategically throughout the facility. This information is then provided to the NC475DESK annunciator for visual and audible on the system. The RJ10 (4P4C) to serial cable is provided to connect the NC570 to the NC475DESK.

Required Components

NC475DESK Tek-CARE Appliance Server
SS570 Transformer
NC571 Repeater
CA570 Serial Cable

Optional Components

BA008 Optional SLA Rechargeable Battery
4 D-Cell batteries (industrial) supplied by others

Listings

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

RoHS Compliant.

NC570 Receiver

Specifications

Dimensions:	11.5"H (inc. antenna) × 6"W × 2"D (292 mm × 152 mm × 51 mm)
Construction:	PC Board with quality electronic components
Connections:	RJ10 to serial
Power:	12 VDC (SS570) cable
Mounting:	Surface with two keyhole screw slots

TekTone® has designed Tek-CARE®570 to work as a system. Its Tek-CARE®Appliance Server has been carefully designed and matched to work with Tek-CARE570 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE570 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-CARE570 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-CARE Appliance Server warranty numbers will also be required when requesting technical support.

Tek-CARE570 Nurse Call System • Rev. 3 - 12/2024

Features

- Receives signals on 433 MHz from transmitters
- Transmits signals on 915 MHz to the NC570 Receiver
- Uses dual frequencies to reduce interference
- Provides general location of calling transmitters
- Surface-mounted
- Two replaceable battery back-up options: 4 D-Cell batteries or rechargeable 6V SLA

Description

The NC571 Repeater Unit is a high power repeater for the Tek-CARE®570 Wireless Nurse Call System. The NC571 Repeater allows greater distances between the Tek-CARE570 transmitters and receiver, and provides general transmitter location information.

NC571 Repeater Unit

Required Components

NC475DESK Tek-CARE Appliance Server
SS570 Transformer
NC570 Receiver

Optional Components

BA008 Optional SLA Rechargeable Battery
4 D-Cell batteries (industrial) supplied by others

Specifications

Dimensions:	11.5"H (inc. antenna) × 6"W × 2"D (292 mm × 152 mm × 51 mm)
Construction:	PC Board with quality electronic components
Connections:	RJ10 to serial
Power:	12 VDC (SS570) cable
Mounting:	Surface with two keyhole screw slots

Listings

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

RoHS Compliant.

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Features

- Supplies 12 VDC to NC570 Receiver and NC571 Repeater
- 197" (5 m) cord length
- White plastic

Description

The SS570 Transformer is a power adapter used with the NC570 and NC571.

Listings

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

RoHS Compliant

FCC Compliant

SS570 Transformer

Specifications

Dimensions:	60 mm × 42 mm ×36 mm
Construction:	White plastic
Input:	100~240 VAC, 50/60Hz
Output:	12 VDC, 800mA
Housing:	ABS Plastic
Operating temp:	5°C - 40°C
Relative Humidity:	<90%

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Features

- Large red call button to trigger calls
- Red LED for call indication
- Includes replaceable BA501 battery
- Includes lanyard with anti-ligature point
- Optional RP571 wristband
- A reset signal is triggered using the RP570 Caregiver Reset Key
- Waterproof to IP65

Description

The SF570 Pendant Transmitter features the great range and reliability of 433 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 easy to use but resistant to false alarms. When a pendant is activated its red LED stays solid for five seconds, then blinks slowly until the alarm is cleared. Alarms may be cleared by placing an RP570 Alarm Clearance Card over the button.

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.

Required Components

NC570 Receiver
NC571 Repeater
RP570K Caregiver Reset Key 10-piece set

Listings

UL® 1069 Listed; File Number E71559.

SF570 Pendant Transmitter
SF570 with Wristband Option
RP570 Caregiver Reset Key

Specifications

Dimensions:	2"H × 1.375"W × 0.625"D (51 mm × 35 mm × 16 mm)
Construction:	White plastic
Frequency:	433.92 MHz
Battery:	BA501 (CR2450N)

Optional Components

RP571K Wristband option

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Features

- Monitor auxiliary call devices
- Monitor Normally Open or Normally Closed contacts
- Supervised
- Surface-mounted via screws or double-sided tape (provided)
- DIP switch programming for various options
- Built-in On/Off switch
- Reset switch with On/Off option
- Facilitates Check-in and/or Rounding

SF571 Universal Transmitter

Description

The SF571 is a wireless wall-mounted transmitter for use with any standard NO or NC contact or sensor. The transmitter has a hall effect sensor and magnet component to monitor doors or windows as well. Alarms are automatically reset when returned to a normal state or when calls are acknowledged by staff, depending on system programming.

The SF571 also provides for check-in and rounding capabilities that can be triggered by various reset signals available on the device.

The various device options are set via an internal DIP switch. Move the SW5 switch to OFF, make DIP switch changes, then move SW5 switch to ON to enable changes.

Specifications

Dimensions:	3.2"H × 1.6"W × 0.75"D (81 mm × 41 mm × 19 mm)
Construction:	Flame retardant ABS plastic
Distance:	10 ft. maximum cable to contact
Battery:	3.0V Lithium (BA007)
Environment:	0° - 60° C
Frequency:	433.92 MHz

Required Components

Tek-CARE®570 Nurse Call System
NC570 Receiver
NC571 Repeater
NC475DESK

Listings

FCC Compliant.

RoHS Compliant.

TekTone® has designed Tek-CARE570 to work as a system. Its Tek-CARE® Server has been carefully designed and matched to work with Tek-CARE570 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE570 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-CARE570 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-CARE Server warranty numbers will also be required when requesting technical support.

Features

- Call and Reset button
- Optional pull cord (SF574) included
- Reset button supports Rounding and Check-In functions
- Includes screws, anchors, and a wall-mount bracket
- IP65 water resistant
- Long-lasting and replaceable battery
- Low battery indication

Description

The SF572 is a wireless, surface-mountable station that includes a Call button, a pull cord, an LED for call indication, and a Reset button. Rounding and Chcek-In functions may also be enabled on the SF572.

When a call is placed, it annunciates on any master stations, duty stations, staff apps, and monitors installed on the Tek-CARE system zoned to display the call. The SF572 stations are configured using the LS450 Config Tool software. By default, the push button and pull cord place an "Emergency" call.

Custom call types can be created and applied using the LS450 Config Tool Software. The SF572 may be directly surface-mounted to a non-metallic surface, or mounted using a non-metallic single-gang backbox or low voltage ring.

Required Components

NC570 Receiver
NC571 Repeater

SF572 Pull-Cord Station

Specifications

Dimensions:	4.2"H × 3.4"W × 0.86"D (106 mm × 87 mm × 22 mm)
Battery:	BA007 ×2 (CA2477)
Mounting:	Surface-mounted; attach back plate to a standard plastic single-gang ring or single-gang box. Do not use metal rings or boxes as it interferes with the wireless signal.
Construction:	PC board with quality electronic components mounted on a plastic faceplate

TekTone® has designed Tek-CARE®570 to work as a system. Its Tek-CARE® Appliance Server has been carefully designed and matched to work with Tek-CARE570 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE570 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-CARE570 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-CARE Appliance Server warranty numbers will also be required when requesting technical support.

Features

- Call and Reset button
- IP65 water resistant
- In addition to the Call button, buttons are provided for Staff Emergency, Check-In, and Rounding
- Includes screws, anchors, and a wall-mount bracket
- Long-lasting and replaceable battery
- Low battery indication
- Optional pull cord (SF574) installed

Description

The SF573 is a wireless, surface-mountable station that includes a Call button, a pull cord, an LED for call indication, and a Reset button. The SF573 also has three additional call buttons for Staff Emergency, Check-In, and Rounding.

When a call is placed, it annunciates on any master stations, duty stations, staff apps, and monitors installed on the Tek-CARE system zoned to display the call. The SF573 stations are configured using the LS450 Config Tool software. By default, the push button and handset place an "Emergency" call.

The SF573 may be directly surface-mounted to a non-metallic surface, or mounted using a non-metallic single-gang backbox or low voltage ring.

Required Components

NC570 Receiver
NC571 Repeater

Optional Components

SF574 Call Cord

SF573 Single Bed Multifunction Station

Specifications

Dimensions:	4.2"H × 3.4"W × 0.86"D (106 mm × 87 mm × 22 mm)
Connections:	RJ12 4P4C jack for SF574
Battery:	BA007 ×2 (CA2477)
Mounting:	Surface-mounted; attach back plate to a standard plastic single-gang ring or single-gang box. Do not use the metal rings or boxes as it interferes with the wireless signal.
Construction:	PC board with quality electronic components.

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Features

- Large red Call button
- Plastic wall-mounted bracket provided
- Call assurance LED
- Standard cable with USB break point and 4P4C connector
- 72" cable with 9" "cable-saver" adapter

Description

The SF574 Call Cord is used with the SF573 Single Bed Multifunction Station. Pressing the large red button places a call on the system. A call assurance LED lights to indicated the call is placed.

Required Components

SF573 Single Bed Multifunction Station

SF574 Call Cord

Specifications

Dimensions:	4.5"L × 1.75"W × 1.0"D
Construction:	Plastic
Connections:	RJ12 4P4C Connector
Mounting:	Surface-mounted; use included screws and anchors

TekTone® has designed Tek-CARE®570 to work as a system. Its Tek-CARE® Appliance Server has been carefully designed and matched to work with Tek-CARE570 wireless and wired peripherals. TekTone will not warrant or support components of Tek-CARE570 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-CARE570 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-CARE Appliance Server warranty numbers will also be required when requesting technical support.

Description

The ST019A is a highly reliable and cost effective magnetic reed switch used by the NC702 Door Controller to monitor door position.

The switch is low profile for unobtrusive mounting and is provided with a plastic cover to hide the wiring connections. A plastic spacer is included for mounting the permanent magnet on a steel door.

The ST019A has a standard gap of 1" between the switch and permanent magnet.

Note that for use with the Tek-CARE®700 Wander Management System, the switch must be wired for Normally Open (N.O.) operation.

Applicable Systems

Tek-CARE®700 Wander Management System
NC702 Door Controller

Tek-CARE®570 Wireless Nurse Call System
SF571 Universal Transmitter

Tek-CARE®500 Wireless Emergency Call System
SF525UL Universal Contact Transmitter

Tek-CARE®400GEN3 Nurse Call System
PM123 Auxiliary Input Module

Tek-CARE®3000 Nurse Call System
PM123 Auxiliary Input Module

Optional Components

NC475 Tek-CARE® Appliance Server with LS700K
   Tek-CARE®700 Connectivity License
LS610-series Tek-CARE® Reporting
LS623-series Event Monitors

ST019A Magnetic Switch

Specifications

Dimensions:	1.0"H × 2.55"W × 0.63"D (25 mm × 64 mm × 16 mm)
Contact Rating:	100 mA Max @ 28 VDC
Cable:	22-gauge, 2-conductor
Mounting:	Surface Mount (screws included)

Listings

![UL Listed c US] UL634 Standard; Honeywell File Number BP547.

TekTone® has designed Tek-CARE®700 to work as a system. Its server has been carefully designed and matched to work with Tek-CARE700 peripherals. TekTone will not warrant or support components of Tek-CARE700 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. 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-CARE server warranty numbers will also be required when requesting technical support.

Features

- Easy Installation
- Mounted on a flame-retardant (UL® 94V-0) plastic panel
- Simple, reliable operation

Description

The JK300A Monitor Call Interface is for use in applications where a simple interface is needed to connect the monitor input of an IR300-series, IR400P5-series, or IR43xG3-series station to an external contact closure. The JK300A accepts a standard ¼" phono-type jacks and places a call if a plug is removed. A ¼" dummy plug is included for use when the monitor point is not connected to an external device. The JK300/2 Monitor Call Interface provides two ¼" jacks and two dummy plugs.

Applicable Systems

Tek-CARE®3000 Nurse Call System
IR33x-series Staff/Duty, Single/Dual Patient, or Multipurpose Stations

Tek-CARE®570 Wireless Nurse Call System
SF571 Universal Transmitter

Tek-CARE®500 Wireless Emergency Caall System
SF525UL Universal Contact Transmitter

Tek-CARE®400 GEN3 Nurse Call System
IR43xG3-series Staff/Duty, Single/Dual Patient, or Multipurpose Stations

Tek-CARE®400 P5/P5+ Nurse Call System
IR400P5/P5+-series Multipurpose, Patient, Resident, Check-In, Staff, or Duty Stations

Tek-CARE®400 Nurse Call System
PM123 Auxiliary Input Module
IR400-series Multipurpose, Patient, Resident, Check-In, Staff or Duty Stations

Tek-CARE®300III Nurse Call System
IR300-series Multipurpose, Patient, Staff or Duty Stations

Tek-CARE®120 Nurse Call System
PM123 Auxiliary Input Module

JK300A, JK300/2 Monitor Call Interface

Specifications

Dimensions:	4.5"H × 2.75"W × 1.5"D × 0.25" (114 mm × 70 mm × 38 mm × 6.5 mm)
Construction:	Reliable components mounted on a flame-retardant (UL® 94V-0) plastic panel
Connections:	Wire lead pigtails
Housing:	Single-gang electrical box or ring

Tek-CARE and Tek-ALERT Systems • Rev. 4 - 2/2025

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
- Call information provided for the monitoring station using Contact ID® protocol
- SIA Digital Communication Standard - Ademco® Contact ID Protocol for Alarm System Communications
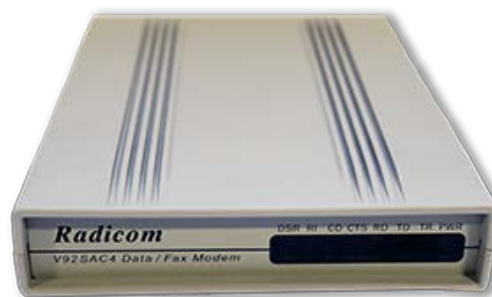
NC503 Central Monitoring Modem

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 Nurse Call System
- 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-CARE®3000 Nurse Call System
- Tek-ALERT® Alert Integration Manager

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.

Tek-CARE Nurse Call Systems • Rev. 18 - 2/2025

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®3000 Nurse Call System
- 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 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.
Paging is an ancillary method of call annunciation, and is not intended to replace the primary annunciation provided by the nurse call system.

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®3000 Nurse Call System
- 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 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.

TekTone®

COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Tek-CARE Nurse Call Systems • Rev. 6 - 7/2024

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: Wi-Fi 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.

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 Wi-Fi connection to facility LAN.

Required Components

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