



COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Tek-CARE®570 Wireless Nurse Call System

Submittal Package
as of 09/06/2023

www.tektone.com

Phone: 828.524.9967
Toll-Free: 800.327.8466
Sales: Option 2
Tech Support: Option 3

324 Industrial Park Road
Franklin, NC 28734
tektone@tektone.com
Fax: 828.524.9968

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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

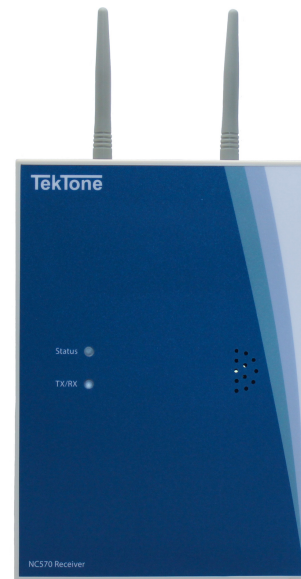
Optional Components

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

Listings



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.

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.

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

Listings



RoHS Compliant



NC571 Repeater Unit

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

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TekTone's quality system is registered by DQS to the ISO 9001:2015 standard.

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
- Reset signal can be triggered using 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
RP570 Caregiver Reset Key

Optional Components

RP571K Wristband option



SF570 Pendant Transmitter
SF570 with Wristband Option

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)

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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

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.

The various device options are set via an internal DIP switch.

Required Components

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

Listings



FCC Compliant.



RoHS Compliant.



SF571 Universal Transmitter

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

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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 Check-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

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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

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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

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

Applicable Systems

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

Listings



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

Software License Selections

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

System Connectivity:

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

Event Monitors & Reporting:

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

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

CARE400 addressable device, Tek-CARE500 transmitter, Tek-ALERT device ID, or Tek-CARE700 tag.

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

ADT Interface:

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

Email Output:

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

Tek-CARE Staff App:

- **LS620/LS630 Tek-CARE non-voice/voice App Server license** enables the Tek-CARE Appliance Server to send events via the facility's WiFi 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

- Can be placed anywhere in the facility with LAN connectivity
- Touchscreen monitor for easy interaction
- Calls can be filtered and zoned
- Can operate as a non-interactive display if only a call display is desired
- Optional supervision

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 Tek-CARE Monitor is connected to the Tek-CARE system via the facility's local area network (LAN). A CL234 wall-mount bracket may be purchased separately and used in conjunction with a VESA designed TV/Monitor wall-mount bracket.

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. 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 also 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



NC403NOTS Hardware

Specifications

Connection: Ethernet connectivity to facility LAN

Display: 22" touchscreen display

Required Components

NC475 Tek-CARE Appliance Server

Optional Components

CL234 Wall-Mount Bracket