



COMMUNICATIONS FOR TODAY ... AND TOMORROW.

Tek-CARE®750 Fall Detection & Monitoring

Submittal Package

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Features

- Reports Fall and Presence alerts to the nurse call system
- Ceiling-mounted sensor
- Fully automatic: no hard-to-reach buttons, cords, wearables, or mats that must be frequently replaced
- mmWave MIMO (Multiple Input Multiple Output) radio frequency sensor
- Operates in the 60GHz frequency band
- Supports a 1400 azimuth (horizontal) and 700 elevation (height) field of view
- Uses harmless radio frequency waves 1,000 times weaker than a cell phone signal
- Fully FCC-approved

Description

The Tek-CARE750® NC752 Fall Detection Sensor uses optics-free (no camera) radio frequency technology to provide 24/7 touchless monitoring. The device works in all lighting conditions, dense steam, and high humidity, generating 4D point cloud imaging that protects people and respects their privacy. Multifunctional sensing provides instant fall detection and a wide range of presence-based activity tracking.

Required Components

LS750 Tek-CARE Connectivity License annual subscription per NC752
LS450 TekTone System version 1.42.4 or higher
NC475 Appliance Server or NC475DESK
IH752 Housing
24VDC, 4A AC to DC DIN-rail power supply (supplied by others), hard wired to CA038 power cord
Robust facility Wi-Fi required



NC752 Fall Detection Sensor with IH752 Housing

Specifications

Dimensions:	5.625" DIA × 1.375" D (143 mm DIA × 35 mm D)
Construction:	Plastic
Temperature Range:	0-40°C (32-104°F); up to 95% humidity
Power:	24VDC, 4A AC to DC DIN-rail power supply, hard wired to CA038 cable; Four sensors per power supply PK250B UPS (optional)
Mounting:	Surface-mounted
Connections:	Screw terminals

Listings



RoHS Compliant.

Features

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

Description

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

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

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

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



NC475DESK

Specifications

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

Applicable Systems

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

Listings



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

Software License Selections

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

System Connectivity:

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

Event Monitors & Reporting:

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

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

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

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

ADT Interface:

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

Email Output:

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

Tek-CARE Staff App:

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

Tek-CARE TVs:

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