



Slide 1

Tech Works
NC-Series Nurse Call System
Technical Training Part 1
Product Overview


Mark Dundas



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About NC-Series Technical Training

- Who is the Audience for this training?
 - Anyone that will be designing or installing the Tech Works NC-Series Nurse Call products.
 - Basic understanding of modern healthcare communication products is assumed.
- What is the Structure of the training?
 - There are 4 slide shows, narrated by Mark Dundas of Tech Works
 - Part 1 Product / System Overview
 - Part 2 Parts and Pieces
 - Part 3 System Wiring
 - Part 4 System Programming
- Presentation Guide Handout to follow along and take notes
- Certification Test for installers that want to be Tech Works Authorized




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Product Overview –
What is NC-Series Nurse Call System



Everything you need from 1 to 256 stations

UL 1069 tested and listed for use in all types of Healthcare facilities






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Why? – Who uses it?

- Outpatient Clinic Emergency Call
- Stand Alone Restrooms
- Day Surgeries
- Rehabilitation Centers
- Skilled Nursing Facilities (SNF)
- Assisted Living Apartments



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Outpatient Clinic Emergency Call

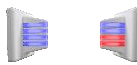


- Stand Alone Restrooms
 - Push or Pull for Help
 - Dome Light with Tone
- Exam & Therapy Rooms
 - Emergency Help
 - Staff Location




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Day Surgeries – Code Blue




- Operating / Procedure Rooms
 - Code Blue & Staff Assist
 - On a Single wall plate
 - Kick or Bump Code Blue Button
- Pre/Post Op Beds
 - Code Blue & Patient Jack
 - On a Single wall plate






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Annunciation / Notification Options




- Simple Lights
 - Wall or Desk mounting LED
- TV/Computer Graphics
 - Any Network Display, Computer, or Tablet
- SMS Text Messaging
 - Any Phone Any Carrier



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How does it work?


Designed by Tech Works using our proprietary light pipe



NC-DL-12-RSCT
1 Color, 2 Station Inputs

NC-DL
Nurse Call - Dome Light
Is the key

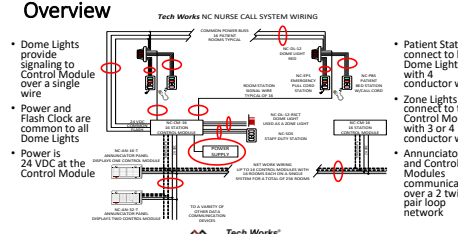
NC-DL-22-RW
2 Color, 2 Station Inputs




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Overview

Tech Works NC NURSE CALL SYSTEM WIRING



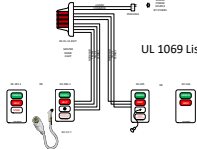
- Dome Lights provide signaling to Control Module over a single wire
- Power and Flash Clocks are common to all Dome Lights
- Power is 24 VDC at the Control Module
- Patient Stations connect to local Dome Lights with 4 conductor wire
- Zone Lights connect to the Control Module with 3 or 4 conductor wire
- Annunciators and Control Modules communicate over a 2 twisted pair loop network





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Stand Alone Room



UL 1069 Listed

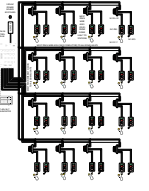
- Built In Flash Clock allows the NC-DL-12-RSCT to stand alone without a Control Module
- Local Power Supply can power up to 4 Dome Lights with stations
- No one other than Tech Works can deliver a UL1069 listed system as small as One Dome Light with One Station

How small can we go?




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16 Rooms – Old Wiring Option




- Loop wiring option for repurposed wiring
- Rauland wire
- Dukane wire
- Executone wire




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16 Rooms – New Installation Wiring Option



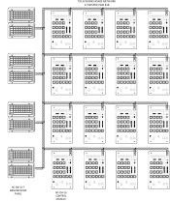
- All CAT5/6 home runs
- Day surgery
- Skilled Nursing
- Rehab
- Assisted Living






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Up to 256 Rooms on 1 System




- The power of the Tech Works Network allows tying multiple Control Modules together on a single system
- Expand the system as required
 - 16 Control Modules X 16 Stations = 256
 - 256 Stations on one system
- Repurposed old Wire
- New CAT5/6 home run Wire
- Segmented network Annunciators
 - 1 Control Module per NC-AN-16-CT
 - 2 Control Modules per NC-AN-32-CT
- Local Zone Lights
- Duty Stations




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Add an IMR and Share Relevant Information



- Pocket Page
- Tablets
- Text Messaging
 - Custom text from each point (button)
 - Any phone, Any carrier
- Digital Signage
- Anything IP
 - PCs become system display
 - PCs become admin terminals
 - All connections are password controlled



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Tools to help you

- Online 24/7 X 365 www.TechWorks-USA.com
- Product Brochures
- Specifications for Architects & Engineers
 - Available on the website (specs and data sheets)
 - Custom specs written by request
- Design/Quoting assistance
 - Questionnaires to support the process
 - Design review
 - Quote development on solutions
 - Margin
- Technical Assistance
 - Training and Installation Manuals
 - Tech Support – Engineering and Field






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Making Specialized Communications Easy

Up Next Part 2
Parts and Pieces