



Slide 1

**Tech Works**

**NC-Series Nurse Call System  
Technical Training Part 2  
Parts & Pieces**

Mark Dundas



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Slide 2

**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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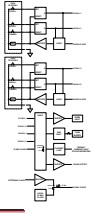
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Slide 3

**What is different about NC-DL Dome Lights**



- Tech Works NC Dome Lights are the key to quality communication
- Built in Logic monitors station buttons and communicates with Control Module
- Makes more happen on less wire
- Allows the NC-Series to operate on old existing wire or CAT cable
- Simplifies Station Design (any Contact Closure input)
- System Supervision lets you know if a room fails
- Unique acrylic Lens provides a Big Bright View



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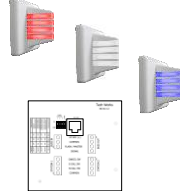
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Slide 4

**NC-DL-12-R, W, B, Red, White, or Blue**



- NC-DL-12-\*
  - 1 Color, 2 Input
  - Bed & Restroom
- NC-DL-12-(X)SCT vs. NC-DL-12-(X)C
  - X = Color
  - S = Screw Terminals
  - C = CAT cable RJ Connector
  - T = Tone
- Dip Switches configure the -SCT
- Room or Zone Light



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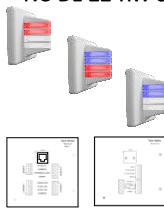
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Slide 5

**NC-DL-22-RW or NC-DL-22C-\*, BR, BW**



- NC-DL-22
  - 2 Color, 2 Input
  - RW – Red / White - E-Call / N-Call
  - RJ CAT cable and Screw Terminals for Old Wire
- NC-DL-22C – Code Blue Signaling
  - BR – Blue / Red – Code Blue / E-Call & N-Call
  - BW – Blue / White – Code Blue / E-Call & N-Call
  - RJ CAT cable for new cable on Code Blue
- Room or Zone Light



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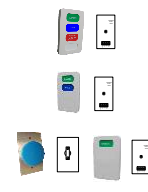
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Slide 6

**Input Devices**



- NC-CBAS
  - Code Blue Station with a Staff Assist Help Button
  - Lighted Cancel / Call Confirmation Button
- NC-CBS
  - Code Blue Station
  - Lighted Cancel / Call Confirmation Button
- NC-VP-CBS
  - Code Blue Station with a giant mushroom button mounted on a rugged stainless-steel plate
- NC-CS
  - Lighted Remote Cancel / Call Confirmation Button



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## Slide 7

**Input Devices**

- NC-EPS
  - Emergency Pull Station with Pull or Push for Help Button
  - Lighted Cancel / Call Confirmation Button
  - Hygienic and antimicrobial/disposable string protects users or others against bacteria, viruses, germs, or other disease organisms
- NC-PBS-1
  - Single Patient Bed Station with Staff Push for Help Button
  - Lighted Cancel / Call Confirmation Button
- NC-PCBS-1
  - exactly the same as the NC-PBS-1 with a CODE BLUE Button
- NC-PBS-2
  - Dual Patient Bed Station
  - Lighted Cancel / Call Confirmation Button
- PBC-7
  - 7 Foot Push Button Cord
- PBC-2-12
  - 12 Foot 2 Button Y Cord



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## Slide 8

**Input Devices**

- NC-SAS
  - Staff Assist Help Station
  - Lighted Cancel / Call Confirmation Button
- NC-SPS
  - Staff Presents Station
  - Lighted Cancel / Call Confirmation Button
- NC-VP-PBS
  - Vandal Proof Patient Bed Station
  - Lighted Cancel / Call Confirmation Button
  - on a rugged Stainless-Steel plate
- NC-VP-SAS
  - Vandal Proof Staff Assist Station
  - Lighted Cancel / Call Confirmation Button
  - on a rugged Stainless-Steel plate



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## Slide 9

**Input Devices**

- NC-VP-SAS-RC
  - Vandal Proof Staff Assist Help Station
  - Lighted Call Confirmation Button
- NC-VP-CS
  - Vandal Proof Cancel Only Station
  - Lighted Cancel Button
- VPKS-1
  - Key Switch for Remote Cancel mounted on a rugged stainless-steel plate



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Slide 10

**Output Devices**



- NC-AN-16-CT
  - 16 Point Light Annunciator
  - Built In Tone
  - Easy Labeling
- NC-AN-32-CT
  - 32 Point Light Annunciator
  - Built In Tone
  - Easy Labeling
- NC-SDS
  - Staff Duty Tone Station
  - Lighted Silence Button



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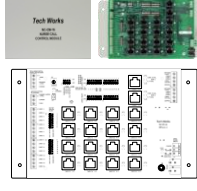
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Slide 11

**Control Module NC-CM-16**



- 16 RJ45 Connectors for CAT cable Connecting Dome Lights from Rooms
- Screw Terminals for Old Style Wiring
- Tech Works Network Wiring
- Tech Works Network Addressing
- Station Out of Service Switches
- Supervision and Configuration Switches
- Zone 1 Output Connections
- Zone 2 Output Connections
- Zone 1 Output Assignment Dip Switches
- Zone 2 Output Assignment Dip Switches
- 24 Volt Power Connections



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Slide 12

**PS-2437B Power Supply**



- 24 Volts DC Output
- 120-240 Volt AC Input
- Fully Regulated
- Fully Filtered
- Built In Surge Suppression
- Wall Mounting Bracket Included
- Power for up to 3 NC-CM-16 Control Modules per PS-2437B



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