Tech Works ®

"Making Specialized Communication Easy"

CC2-Series Technical Training Test
Part 3 – Wiring

Your Name: First: _____ Last:_____

Contact Information: Email: _____

Company/Employer: _____ Phone:_____

1. What is the difference between old CC and CC2-Series?
   - ☐ a. Light colors
   - ☐ b. 12 VDC vs. 11-25VDC
   - ☐ c. Network wiring
   - ☐ d. System size
2. What is the wire type used for the Tech Works Network?
   - ☐ a. 2 Twisted Pairs
   - ☐ b. 4 parallel conductors
   - ☐ c. 4 Pair
   - ☐ d. 4 Conductor
3. What is the recommended wire gauge for the Tech Works Network power?
   - ☐ a. #22
   - ☐ b. #20
   - ☐ c. #18
   - ☐ d. #16
4. Where is the best place to connect the power supply to the Tech Works Network?
   - ☐ a. Left end
   - ☐ b. Right end
   - ☐ c. As close to the middle of the loop as possible
   - ☐ d. Near the annunciators
5. Where should the Network Terminator be turned on?
   - ☐ a. On every station
   - ☐ b. In the middle of the loop
   - ☐ c. On the longest legs of the loop
   - ☐ d. On every branch or T-tap
6. How long can the total Tech Works Data Network wire be?
   - ☐ a. 300 Feet
   - ☐ b. 1000 Feet
   - ☐ c. 3000 Feet
   - ☐ d. 5000 Feet

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7. How do CC2-Series Annunciators connect to the CC2 Smart Stations?
   - ☐ a. RJ45 Connectors
   - ☐ b. Passive Station Screw Terminals
   - ☐ c. Tech Works Network Screw Terminals
   - ☐ d. Wireless
8. How do CC2-Series Smart Dome lights connect to Smart Room Status panels?
   - ☐ a. RJ45 Connectors
   - ☐ b. Passive Station Screw Terminals
   - ☐ c. Tech Works Network Screw Terminals
   - ☐ d. Wireless
9. What causes Voltage Drop?
   - ☐ a. The length of the wire
   - ☐ b. The gauge (size) of the wire
   - ☐ c. All of the above
10. Which wire will have the most voltage drop per 100 feet?
   - ☐ a. #22
   - ☐ b. #20
   - ☐ c. #18
   - ☐ d. #16
11. What happens if you run too small of a power pair on the Tech Works Network?
   - ☐ a. Nothing, any wire will work
   - ☐ b. Fire and smoke at the network terminals
   - ☐ c. Devices won't power up
   - ☐ d. Both b and c above
12. How do you calculate the size of power supply you need?
   - ☐ a. Add up all of the voltages for each device
   - ☐ b. Add up all of the current consumption of all devices
   - ☐ c. Add up the voltage minus the wire gauge
   - ☐ d. None of the above

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13. If you add power supplies to the system what wires get tied together throughout the system?
    - ☐ a. "T"
    - ☐ b. "R"
    - ☐ c. Common
    - ☐ d. All of the above
14. How do you connect the PS-2437B power supply to the Tech Works Network?
    - ☐ a. Plug it into the control module
    - ☐ b. Cut off the barrel connector, strip the wires, and put them on the +/Common terminals of the Tech Works Network, anywhere on the loop
    - ☐ c. Add a power conversion module
    - ☐ d. Add an IMR
15. If you connect an IMR to the Tech Works CC2 system, where does it connect?
    - ☐ a. Passive screw terminals on the CC2-CM-4
    - ☐ b. Anywhere on the Tech Works Network
    - ☐ c. The Power Supply
    - ☐ d. None of the above
16. If you connect an IMR to the Tech Works CC2 system, does it draw its power from the Tech Works Network?
    - ☐ a. Yes
    - ☐ b. No
17. Approximately how many Tech Works Smart Network devices can connect to 300 feet of wire in 2 directions from a single PS-2437B power supply?
    - ☐ a. 10
    - ☐ b. 20
    - ☐ c. 30
    - ☐ d. 60
18. Does the CC2-DL-44-B have passive station Input/Output wire terminals?
    - ☐ a. Yes
    - ☐ b. No
19. Does the CC2-RS-4-B have passive station Input/Output wire terminals?
    - ☐ a. Yes
    - ☐ b. No

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20. What wire gauge is recommended for passive station wiring?
    - ☐ a. #22
    - ☐ b. #20
    - ☐ c. #18
    - ☐ d. Any of the above
21. The Tech Works CC2-Series passive wire terminals are:
    - ☐ a. T, R, +, -
    - ☐ b. SW+, SW-, LED +, LED -
    - ☐ c. E, N, Cancel, Common
    - ☐ d. Left +/-, Right+/-
22. Do you connect all 4 wires to the CC2-DL-1-RT?
    - ☐ a. Yes
    - ☐ b. No
23. The CC2-CM-4 connects to:
    - ☐ a. Passive Stations
    - ☐ b. The Tech Works Network
    - ☐ c. Annunciators
    - ☐ d. All of the above
24. How many passive devices can connect to each station port of the CC2-CM-4?
    - ☐ a. 2
    - ☐ b. 4
    - ☐ c. 6
    - ☐ d. 8
25. What is the best source of Technical Assistance for Tech Works products?
    - ☐ a. Systems Manuals
    - ☐ b. Training Videos
    - ☐ c. Application Guides
    - ☐ d. All of the above
26. How is the best way to get help with design assistance?
    - ☐ a. Call with little or no idea what you want or need
    - ☐ b. Call Sales and ask if we have everything in stock
    - ☐ c. Go to the web site and watch a video while reviewing the System Guide, then send us an email with as much information as possible (drawings, part numbers, scope of work, etc.)

If this button does not work please save your test and email it to info@TechWorks-USA.com