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LINORTEK Netbell-4-4Buz Network Break Buzzer System

Package Contents Checklist

- Netbell-4K Server (01-910-00035) (1)
- Buzzer Kit (01-910-00040) (4)
- RJ45 Cable (01-390-00028) (1)
- Power Cable (01-850-00029) (1)
- Bell Cables (01-850-00046) (4)
- 12VAC Power Supply (01-850-00022) (1)
- Wago Connector (01-350-00129) (4)
- 1 Set of Mounting Brackets (1)
- Netbell Setting Instructions
- This Installation Guide

Installation Steps

Step 1: Mounting the Netbell-4 Controller

1. Choose a dry, indoor location for installation
2. Using the provided mounting brackets:
    - Attach mounting brackets to the SERVER using provided self-tapping screws (4 places)
    - Install the SERVER at desired location using appropriate screws for your wall type
    - Ensure adequate ventilation around the unit

Step 2:

Buzzer Wiring Instructions

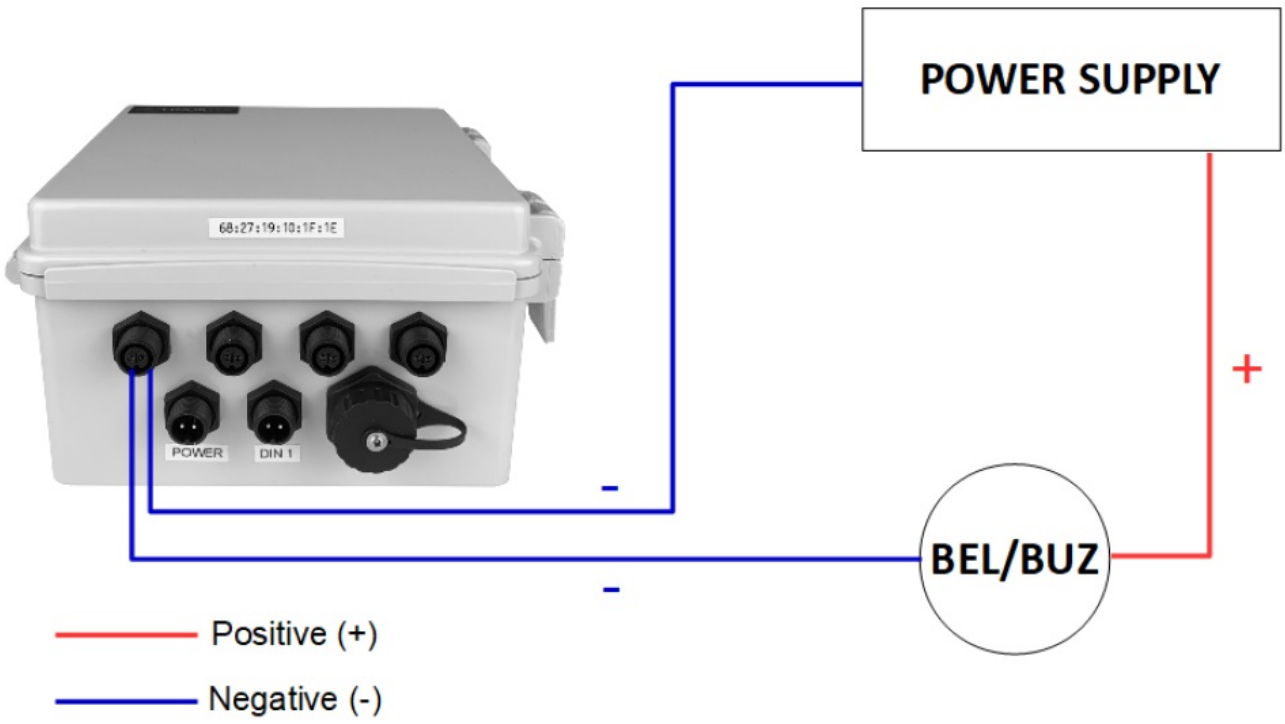
Relay Output Specifications:

- Four relay outputs for controlling timed signal equipment, labeled as EXT1 to EXT-4
- Dry Contact type (1-Form-A relay)
- Maximum rating: 48VAC @ 8A per relay
- Normally Open (NO) contacts, convertible to NC if needed

Buzzer Wiring Steps:

1. Buzzer Mounting and Cable Requirements:
    - Mount the pre-wired buzzer kit at the location you would like to have your buzzer
    - You can extend the power cable of the buzzer if needed
    - Buzzer can be installed at 500 feet away from controller using 16AWG cable
2. Basic Connection Setup: the relays on the Netbell-4 K are dry contact relay with CP connector and four bell cables (3FT) come with your Netbell-4K.
    - Connect CP connector side of bell cable to one of the bell outputs (EXT1 to EXT4)
    - Connect one power source wire to one side of the buzzer
    - Connect other power wire to one side of the bell cable
    - Connect remaining buzzer wire to other side of bell cable
    - Repeat wiring process for all four buzzers

Standard Bell Buzzer Wiring
(Normally Open Configuration)

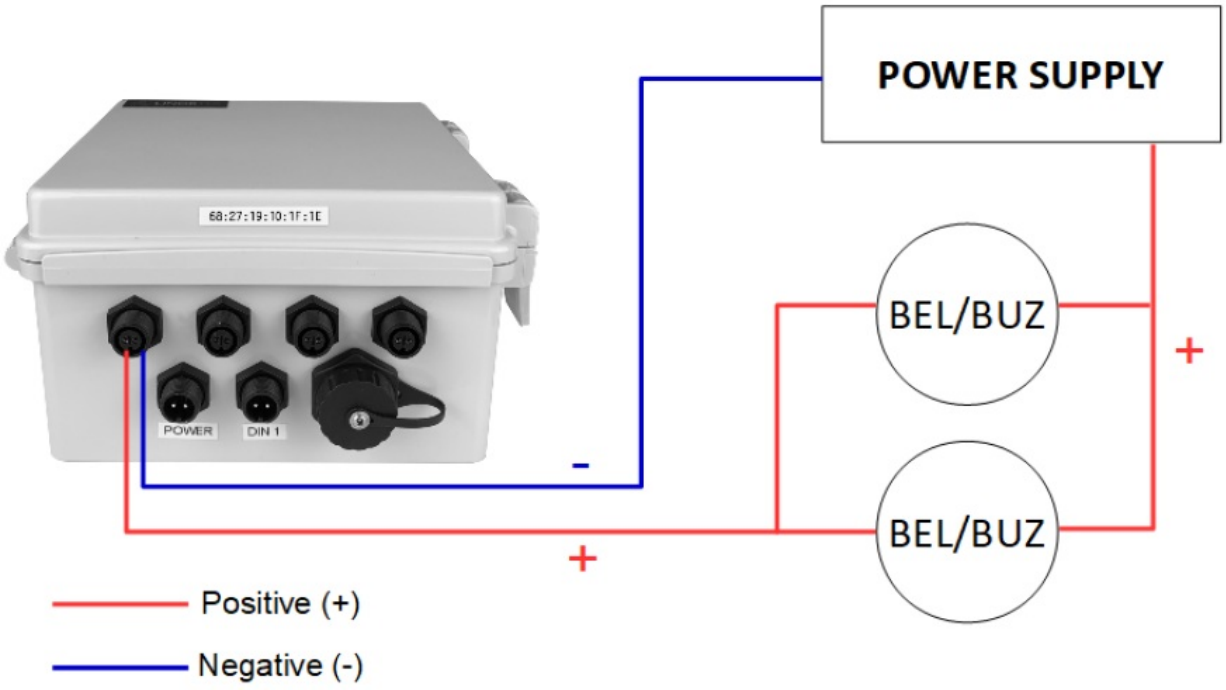


IMPORTANT: Total current draw of all connected bells/buzzers must not exceed 8A

Multiple Buzzer Configuration:

- Each relay can control devices up to 8A total current
- Total current draw of all connected buzzers must not exceed 8A
- Ensure power supply rating matches total buzzer current requirements
- Verify total current draw is within specifications before operation

Multiple Bells/Buzzers Wiring
(Parallel Configuration)



Important:

1. Total current draw of all connected buzzers must not exceed 8A
2. Ensure power supply rating matches total buzzer current requirements

IMPORTANT NOTES:

- This device is NOT designed to directly switch line voltage (120V/240V)
- For line voltage devices, an intermediary relay MUST be installed
- Verify all connections before applying power
- You can install the buzzer at up to 500 ft away from the controller using 16 AWG 2-conductor wire
- Use appropriate wire gauge for current rating

Step 3:

Digital Input Connections (Optional)

The Netbell-4 features one digital input (DIN 1) that can detect external on/off states of sensors. The most common use of the digital inputs for the Netbell is to connect a push button switch to activate the bell manually for emergency.

- Connect the push button to the digital input connector (DIN 1)
- Open the device enclosure carefully.
- Position the device so the connector side faces you.
- Locate the digital input switches (labeled DIN1 and DIN2) in the lower left corner near the Ethernet connector.
- Make sure the digital input switches are at the UP position to enable PU (Pull-Up) mode.
- Configure the software

Step 4:

Network Connection

1. Plug RJ45 cable into NET connector
2. Connect to router or network switch

IMPORTANT NOTE:

- Netbell-4K board requires 1000Mbps (Gigabit) port/switch
- Will not work on 10/100Mbps port/switch
- Verify switch compatibility with IT department

Step 5:

Power Connection

1. Connect power cable to 12VAC power supply terminals
2. Plug power supply into suitable AC outlet
3. Connect power cable CP connector to Server’s POWER port

WARNING: Use only provided power adapter from Linortek

Safety Warnings

1. Indoor use only – NOT FOR OUTDOOR USE
2. Avoid high humidity environments
3. Keep away from water and liquids
4. No explosive environments
5. Do not use during thunderstorms
6. Never remove power during firmware updates (when RED LED blinks and GREEN LED is on)
7. Use only Linortek-provided power adapter
8. Avoid cable damage from mechanical pressure
9. Route cables to prevent tripping hazards Troubleshooting Guide

No Power

- Check power connections
- Test with alternate power method

No Network Connection

- Verify cable connections
- Check network switch status
- Make sure the network port/switch is 1000Mbps (Gigabit)
- Confirm LED indicators
- Green LED light is flashing, orange LED is solid (To check the LED indicators, you need to open the enclosure)

Bell Not Working

- Verify wiring connections, check contact connection. If you use the Wago connector we provide:
    - Lift the lever completely to fully open position
    - Strip wire to 11mm length

    - Insert wire fully into the connector opening
    - Push lever down completely until it clicks
    - Verify lever is fully closed and flush with connector body
    - Gently pull each wire to confirm secure connection
- Check power supply ratings
- Confirm load is within power supply limit if multiple buzzers are used

Safety Warnings

- Indoor use only
- Avoid high humidity
- Keep away from water
- No explosive environments
- Do not disconnect power during firmware updates (when RED LED blinks and GREEN LED is on)

Resources & Technical Support

For complete documentation and instructions:

1. Visit: https://bit.ly/01-910-00119 , navigate to Manuals & Resources tab
2. Or scan QR code from your mobile device to access the documents from the item page:
3. Email support: support@linortek.com

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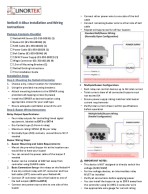
FAQ

- **Q: What should I do if there is no power?**

  A: Check power connections and test with an alternate power method.
- **Q: What should I do if there is no network connection?**

  A: Verify cable connections, check network switch status, and ensure the network port/switch is 1000Mbps.

Documents / Resources

	LINORTEK Netbell-4-4Buz Network Break Buzzer System [pdf] Instructions Netbell-4, Netbell-4Buz, Netbell-4-4Buz Network Break Buzzer System, Netbell-4-4Buz, Network Break Buzzer System, Break Buzzer System, Buzzer System

References

- User Manual

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Break Buzzer System, Buzzer System, LINORTEK, Netbell-4, Netbell-4-4Buz, Netbell-4-4Buz Network Break Buzzer System, Netbell-4Buz, Network Break Buzzer System

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