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LINORTEK Netbell-KL-E1 Network All In One Extra Loud Break Bell System



Product Specifications

Relay Output Specifications:

- One relay output for controlling one external bell, labeled as EXT1
- Dry Contact type (1-Form-A relay)
- Maximum rating: 48VAC @ 8A
- Normally Open (NO) contacts, convertible to NC if needed

Product Usage Instructions

Bell Wiring Steps:

1. Bell Mounting and Cable Requirements:

- Mount the pre-wired bell kit at the desired location
- You can extend the power cable if necessary
- Bell can be installed up to 427 feet away using 16AWG cable

2. Basic Connection Setup:

- Connect the relay on the Netbell-KL

- **IMPORTANT NOTES:**

- This device cannot switch line voltage directly (120V/240V)
- For line voltage devices, an intermediary relay must be installed
- Verify all connections before applying power
- Use the appropriate wire gauge for the current rating

3. Digital Input Connections (Optional):

Connect a push button switch to activate the bell manually for emergencies

4. Network Connection:

- Plug the RJ45 cable into the NET connector
- Connect to a router or network switch

5. Power Connection:

- Connect the power cable to the 24VAC power supply terminals
- Plug the power supply into a suitable AC outlet

Package Contents Checklist

- Netbell-KL Server (01-910-00029) (1)
- External Bell Kit (01-910-00041) (1)
- RJ45 Cable (01-390-00028) (1)
- Power Cable (01-850-00029) (1)
- External Bell Cables (01-850-00046) (1)
- 24VAC Power Supply (01-850-00024) (1)
- Wago Connector (01-350-00129) (1)
- 1 Set of Mounting Brackets (1)
- Netbell Setting Instructions
- This Installation Guide

Installation Steps

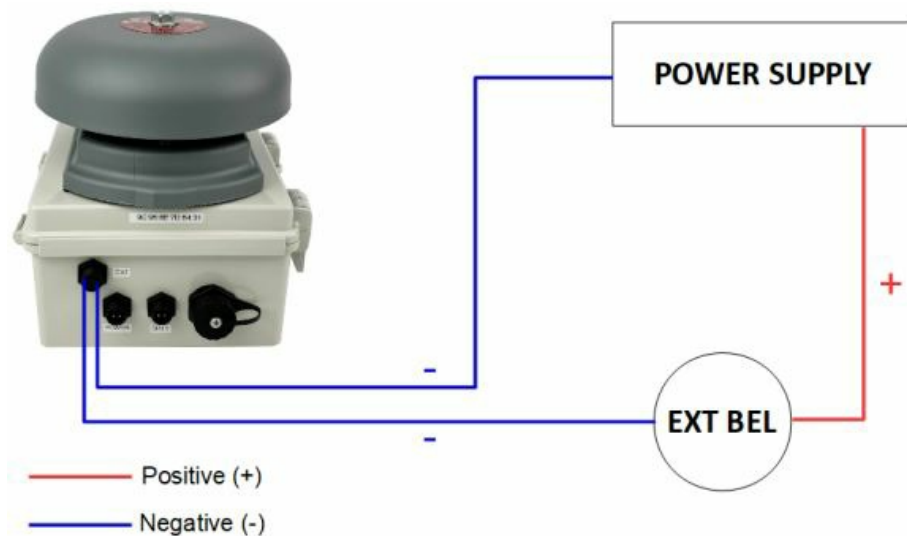
Step 1: Mounting the Netbell-KL

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:

- One relay output for controlling one external bell, labeled as EXT1
- Dry Contact type (1-Form-A relay)
- Maximum rating: 48VAC @ 8A



- Normally Open (NO) contacts, convertible to NC if needed

Bell Wiring Steps:

1. Bell Mounting and Cable Requirements:

- Mount the pre-wired bell kit at the location you would like to have your bell
- You can extend the power cable of the bell if needed
- Bell can be installed at 427 feet away from the controller using 16AWG cable

2. Basic Connection Setup: The relay on the Netbell-KL is a dry contact relay with a CP connector, and one bell cable(3FT) comes with your Netbell-KL.

- Connect the CP connector side of the bell cable to the bell output (EXT1)
- Connect one power source wire to one side of the buzzer
- Connect the other power wire to one side of the bell cable
- Connect the remaining buzzer wire to the other side of the bell cable

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
- Use the appropriate wire gauge for the current rating

Step 3: Digital Input Connections (Optional)

The Netbell-KL 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 in an 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 the RJ45 cable into the NET connector
2. Connect to the router or network switch

IMPORTANT NOTE:

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

Step 5: Power Connection

- Connect the power cable to the 24VAC power supply terminals
- Plug the power supply into a suitable AC outlet
- Connect the power cable CP connector to the Server's POWER port

WARNING: Use only the provided power adapter from Linortek

Wiring Samples



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 the RED LED blinks and the GREEN LED is on)
7. Use only the 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 the alternate power method
- No Network Connection
 - Verify cable connections
 - Check the network switch status
 - Make sure the network port/switch is 1000Mbps (Gigabit)
 - Confirm LED indicators

- The green LED light is flashing, the orange LED is solid. (To check the LED indicators, you need to open the enclosure.

Bell Not Working

- Verify wiring connections, check contact connections. If you use the Wago connector we provide:
 - Lift the lever completely to the fully open position
 - Strip wire to 11mm length
 - Insert the wire fully into the connector opening
 - Push the lever down completely until it clicks
 - Verify the lever is fully closed and flush with the connector body
 - Gently pull each wire to confirm a secure connection
- Check power supply ratings
- Confirm load is within the 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 the RED LED blinks and the GREEN LED is on)

Resources & Technical Support

For complete documentation and instructions:

1. Visit: <https://bit.ly/01-910-00050>, navigate to Manuals & Resources tab
2. Or scan the QR code from your mobile device to access the documents from the item page:



3. Email support: support@linortek.com

ABOUT COMPANY

- Linor Technology, Inc.
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Frequently Asked Questions


- **Can the Netbell-KL be used outdoors?**

No, the Netbell-KL is designed for indoor use only.

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

Check power connections and test with an alternate power method.

Documents / Resources

	<p>LINORTEK Netbell-KL-E1 Network All In One Extra Loud Break Bell System [pdf] Installation Guide</p> <p>Netbell-KL-E1, Netbell-KL-E1 Network All In One Extra Loud Break Bell System, Network All In One Extra Loud Break Bell System, All In One Extra Loud Break Bell System, Extra Loud Break Bell System, Break Bell System, Bell System</p>
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References

-  [Linortek Remote IO, Audible & Visual Alarm Systems, and IoTMeter](#)
- [User Manual](#)

◆ All In One Extra Loud Break Bell System, Bell System, Break Bell System, Extra Loud Break Bell System, LINORTEK, Netbell-KL-E1, Netbell-KL-E1 Network All In One Extra Loud Break Bell System, Network All In One Extra Loud Break Bell System

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