

**Lucent Technologies**  
Bell Labs Innovations



# Multi-Zone Microphone

Installation and Use Manual

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Model: **LUMULZMIC**  
PEC Code: 5335-405  
COM Code: 408184232  
Select Code: 701-000-129

## **Notice**

Every effort was made to ensure that the information in this guide was complete and accurate at the time of printing. However, information is subject to change.

## **Important Safety Information**

Always follow these basic safety precautions when installing and using the system:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. DO NOT block or cover the ventilation slots and openings. They prevent the product from overheating. DO NOT place the product in a separate enclosure or cabinet, unless proper ventilation is provided.
4. Never spill liquid on the product or drop objects into the ventilation slots and openings. Doing so may result in serious damage to the components.
5. Repair or service must be performed by a factory authorized repair facility.
6. The product is provided with a UL-CSA approved, 3-wire ground type plug. This is a safety feature. DO NOT defeat the safety purpose of the grounding type plug. DO NOT staple or otherwise attach the AC power supply cord to building surfaces.
7. DO NOT use the product near water or in a wet or damp place (such as a wet basement).
8. DO NOT use extension cords. The product must be installed within 6 feet of a grounded outlet receptacle.
9. DO NOT install telephone wiring during a lightning storm.
10. DO NOT install telephone jacks in a wet location unless the jack is specifically designed for wet locations.
11. Never touch uninsulated wires or terminals, unless the line has been disconnected at the paging or controller interface.
12. Use caution when installing or modifying paging or control lines.

## **Support Information**

Paging systems integrated with small phone systems such as Merlin Legend and Partner are supported by the National Service Assistance Center (NSAC). The main number for the NSAC is 800-628-2888. Paging systems integrated with large switches such as the DEFINITY G3 are supported by the Technical Service Center (TSC). The main number for the TSC is 800-242-2121.

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**Description:**

Your Lucent Technologies' High Fidelity desk microphone provides high quality, low noise, multi-zone paging capability to all existing Lucent paging products. The multi-zone microphone provides a DTMF pad for unlimited zone access, or it can be switched to a dedicated single zone. A cardioid electret element suppresses background noise, and is housed on the end of a flexible tube. You can page through a momentary push-button for short pages, or make a long page with a lock-on button. Front panel LEDs indicate paging status.

**Package Contents**

- \* Multi-Zone Microphone
- \* Half Modular Cord
- \* Installation and Use Manual

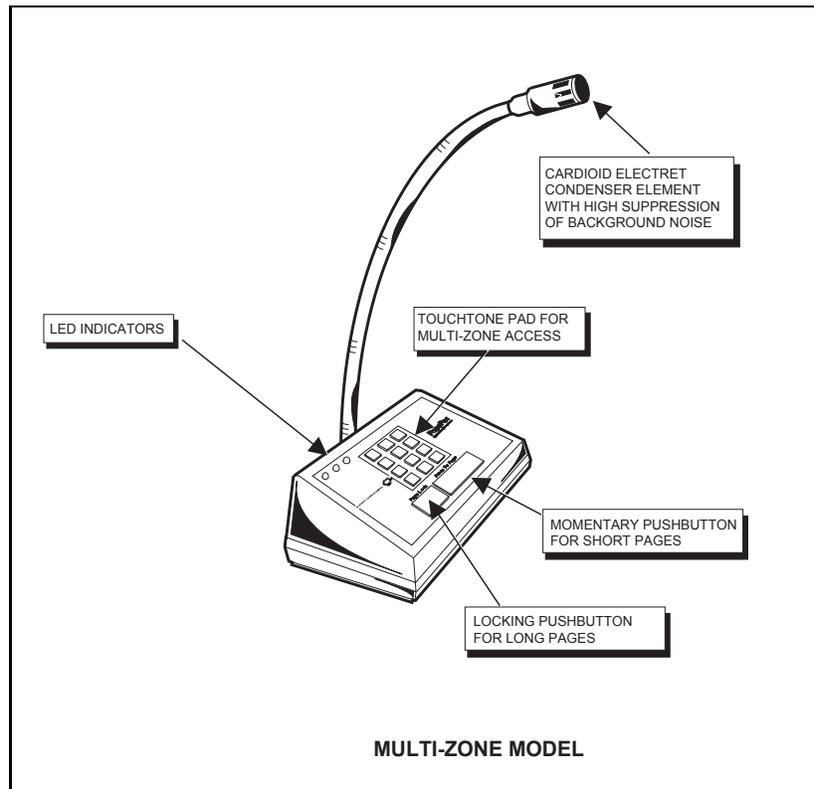


Figure 1. Multi-Zone Microphone Features

The back panel is shown in Figure 2. An attached wall socket transformer provides power to the unit. Connections for output + and -, busy buss, and dry contact closure (see Figure 3) are made at a compression screw terminal block. You can adjust the output volume level by screwdriver. The multi-zone microphone has a switch for selecting dedicated single zone paging.

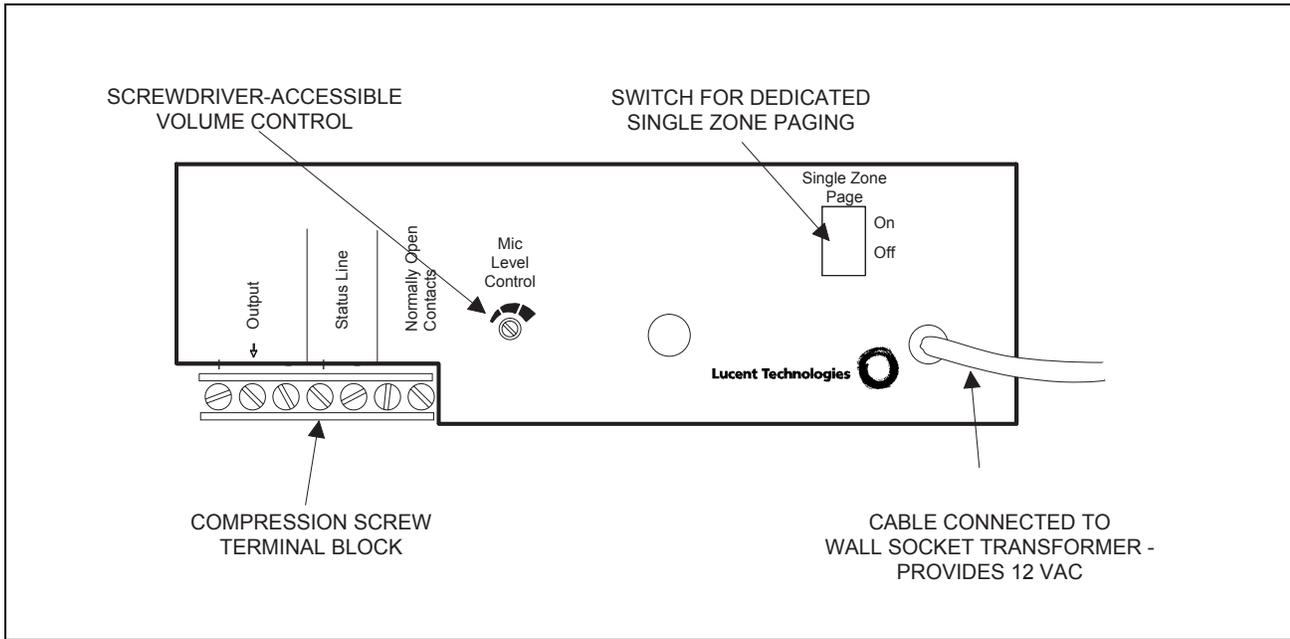


Figure 2. Back Panel Controls and Connectors

## Installation

The microphone has rubber feet for placing directly on a desktop. Connect the transformer to a standard 120VAC 60 Hz wall socket. Figure 3 shows the wiring connections at the microphone terminal block.

*Note: Use shielded wire of no smaller than 24 AWG, with runs of 1000 feet or less.*

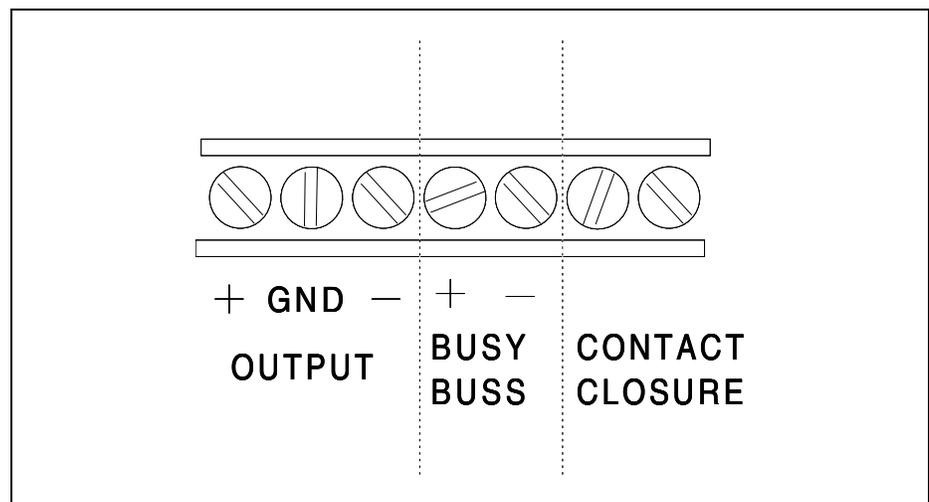


Figure 3. Wiring Connections on Microphone Terminal Block

Figure 4 shows the wiring diagram for connecting microphones to a Lucent Telephone Paging Amplifier.

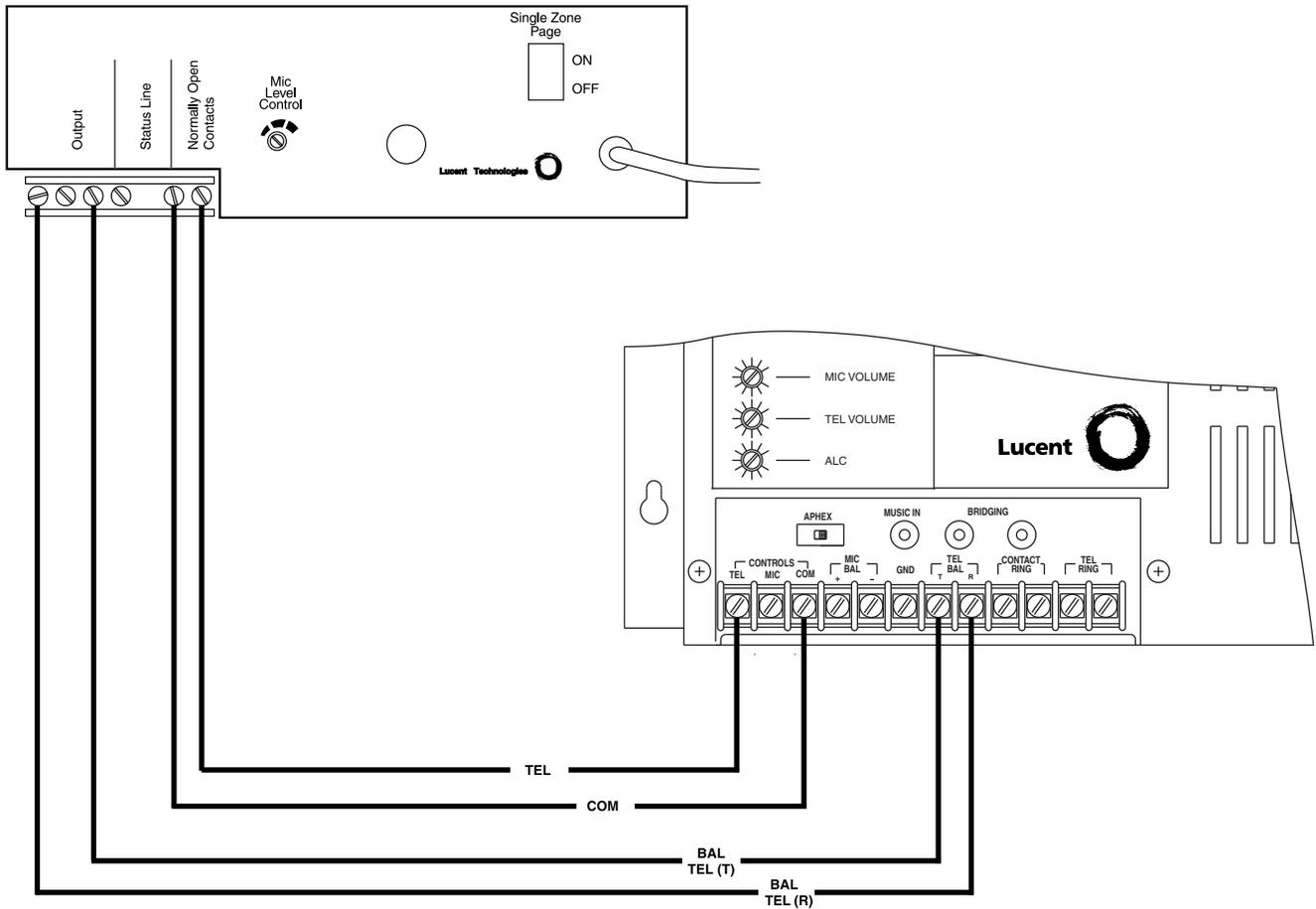


Figure 4. Typical Connections to a Telephone Paging Amplifier

Figure 5 shows the wiring diagram for connecting microphones to a Lucent LUPCM Paging System Controller Unit.

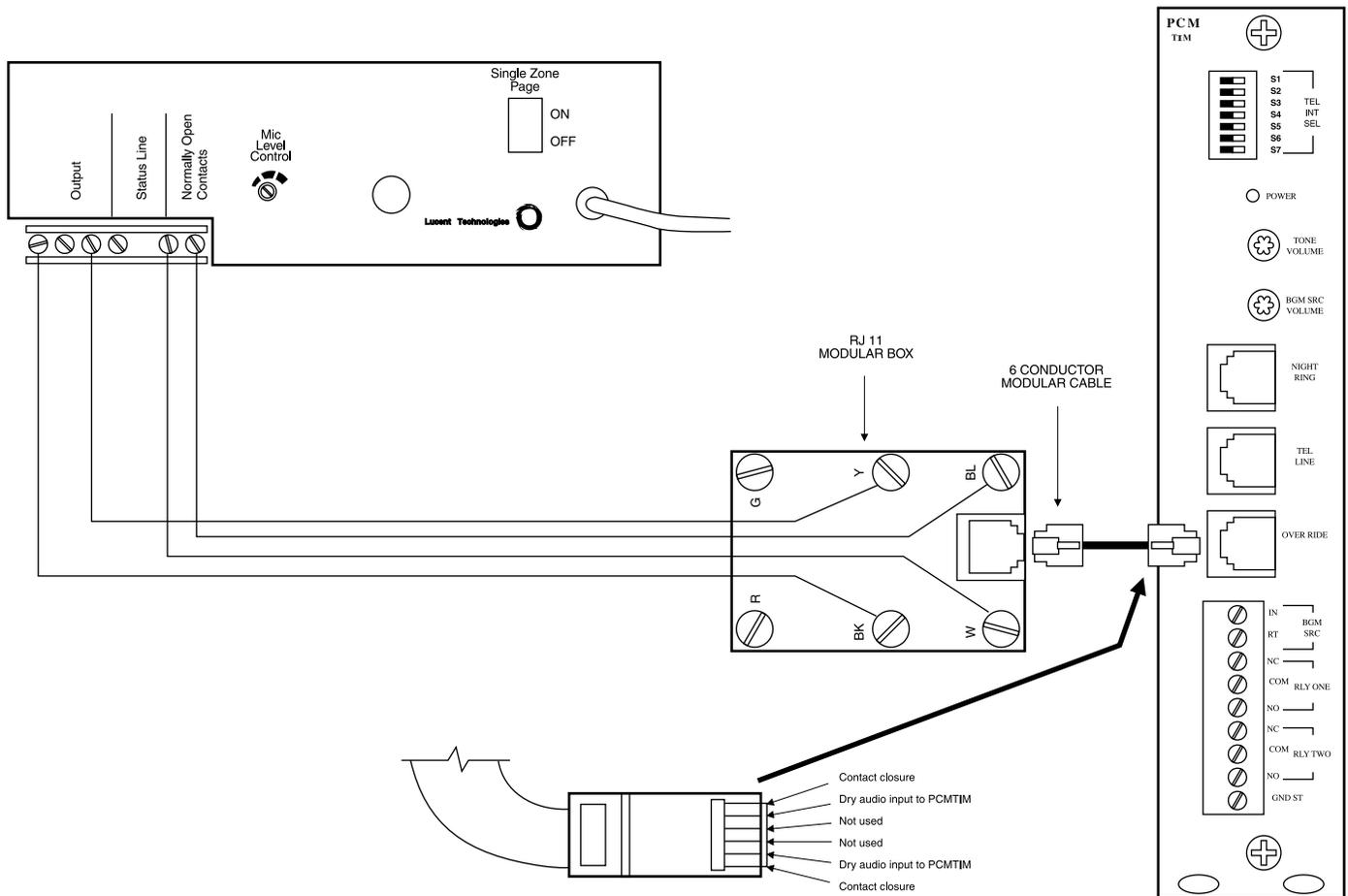


Figure 5. Typical Connections to a LUPCM Paging System Controller Unit

## Operation

To make a short page, press and hold the larger, momentary contact push-button. To make a longer page, press the smaller locking push-button; when the page is over, press this button again to deactivate. Use the DTMF pad to select zone addresses or implement paging features; refer to your Amplifier Manual for zone options.

The three LEDs on the front panel show paging status. A flashing yellow LED indicates a long term page. The red LED indicates a busy condition on the system. The green LED indicates that the microphone is on and ready to initiate a page (even when the unit is paging).

The volume can be adjusted for an individual microphone by using the screwdriver-accessible output level at the back panel (see Figure 2).