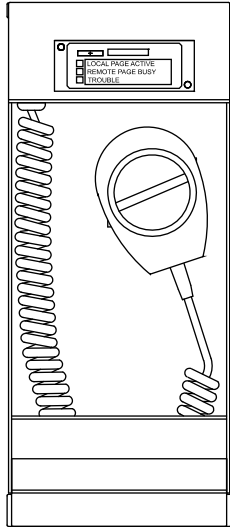


3-REMICA Remote Paging Microphone Installation Sheet



Description

The 3-REMICA provides remote paging capability throughout a building or campus. Each 3-REMICA has two inputs for connecting other remote microphone units. Cascading remote microphones in this manner provides up to 63 stations on the paging circuit.

Note: Remote microphone units may not be cascaded more than six deep (more than six units in a single circuit path).

The 3-REMICA occupies two slot positions in a remote annunciator cabinet. When installed in a cabinet with an annunciator controller, the 3-REMICA must occupy the slot positions next to the controller.

The 3-REMICA housing assembly provides standoffs for mounting a Signature single input module when the system application requires electrical supervision. The 3-REMICA trouble relay contacts change state when an electrical short or open is detected on either the microphone audio or key inputs, or when power to the unit is interrupted.

Configuration

Set the jumpers as shown in the table below. Refer to Figure 1.

When AUDIO_OUT is connected to a:	JP1	JP2
3-ASU Rev 11 or earlier [1]	A	A
3-ASU Rev 12 or later [1]	A	Remove
3-REMIC series remote paging microphone	B	B

[1] The revision number is stamped on the front of the ASU board, bottom right corner.

Installation

Install and wire this module in accordance with applicable national and local codes, ordinances, and regulations. Refer to Figure 1.

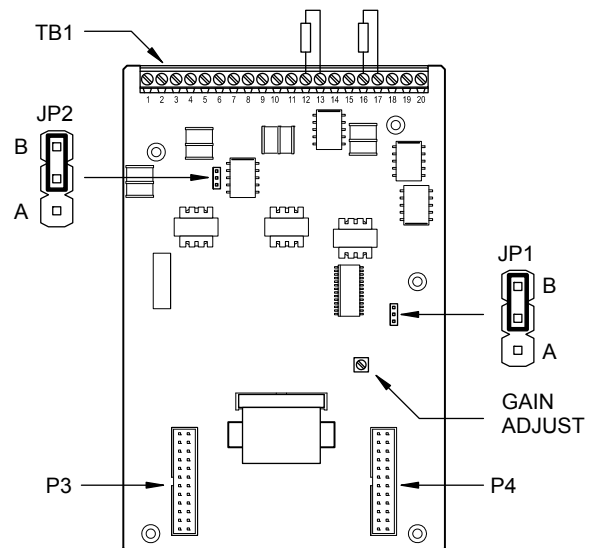
Caution: Ensure the 24 VDC riser is deenergized before making cable connections.

Note: To prevent trouble events during installation, the 3-REMICA is shipped with 1.8 kΩ terminating resistors installed in the remote microphone key inputs. Remove these resistors when connecting upstream 3-REMIC series remote paging microphones.

To install the 3-REMICA:

1. Remove the top module retainer bracket on the inner door of the remote annunciator.
2. Loosen the bottom module retainer bracket.
3. Insert the 3-REMICA into the bottom module retainer bracket next to the annunciator panel controller.
4. Tilt the 3-REMICA forward until the top touches the inner door.
5. Tighten the bottom module retainer bracket.
6. Secure the top module retainer bracket to the inner door.
7. If installed next to an annunciator panel controller, connect the cable assembly from P3 on the annunciator panel controller to P4 on the 3-REMICA.
8. Attach the rubber stoppers provided, to the backbox studs located directly behind the 3-REMICA assembly, to avoid shorting components on the electronics board.

Figure 1: Card layout



Wiring

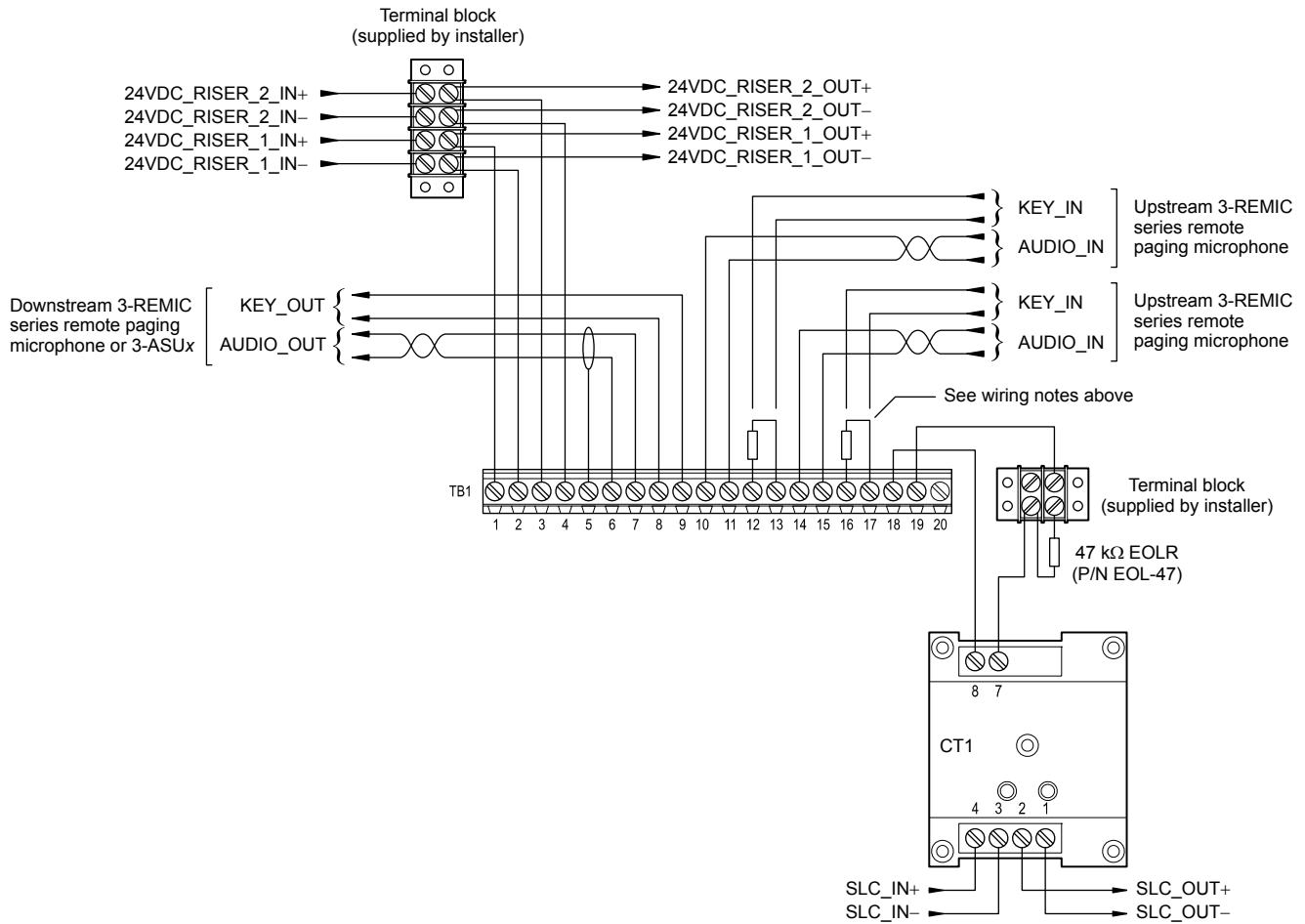
Wire the 3-REMICA as shown in Figure 2.

Notes

- All wiring is supervised and power-limited.
- Remove the 1.8 kΩ terminating resistors across terminals TB1-12 and TB1-13, and TB1-16 and TB1-17 if connected to an upstream 3-REMIC series remote paging microphone.
- AUDIO_OUT and KEY_OUT wires must be enclosed in conduit.



Figure 2: Field wire connections



TB1 terminal definitions

Terminal	Definition	Terminal	Definition	Terminal	Definition
1	24 VDC IN+	6, 7	Audio Output	16, 17	Key Input 1
2	24 VDC IN-	8, 9	Key Output	18	Trouble NC
3	24 VDC IN+	10, 11	Audio Input 2	19	Trouble C
4	24 VDC IN-	12, 13	Key Input 2	20	Trouble NO
5	Shield	14, 15	Audio Input 1		

Adjusting the microphone

After the system amplifiers are properly balanced, press the push-to-talk switch on the microphone. If you get feedback through the system speakers, adjust the gain on the 3-REMICA until the feedback is eliminated. See Figure 1 for the location of the gain adjustment.

Regulatory information

UL rating	Common
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Specifications

Voltage	21 to 27 VDC
Current	52 mA
Wiring	
Size	14 AWG (1.5 mm ²) max.
Resistance	210 Ω max.
Capacitance	1 μF
Audio Output	1 VRMS at 400 Hz to 4 kHz
Trouble relay current	1 A at 30 VDC resistive
Space requirements	2 spaces in annunciator enclosure
Operating environment	
Temperature	32 to 120°F (00 to 49°C)
Relative humidity	0 to 93% noncondensing

Contact information

For contact information, see www.edwardsfiresafety.com.