

EPS-205/PS

Microphone Paging Station

- Selectable five-zone paging
- System all-call
- Chime activation
- Alarm activation
- Prerecorded message functions
- Up to three units paralleled to EPS-205 main unit
- Self diagnostics
- RJ45 wiring standards
- Rugged construction

Description

The Altec Lansing EPS-205/PS is the five-zone microphone terminal station for use with the Altec EPS-205 main unit. It provides the capability to page into select or all zones, to clear zone selection, to activate alarm and chime tones and to record, activate and interrupt voice messaging announcements. Alarm/chime and voice messaging features are add-on features using extension cards within the Altec EPS-205 main unit. Please refer to the Altec EPS-205 engineering data sheet for additional information. The Altec EPS-205/PS microphone terminal paging station must be used with the Altec EPS-205 main unit and cannot be operated with other systems. Up to three Altec EPS-205/PS microphone terminal paging stations can be operated from the Altec EPS-205 main unit. The units must be paralleled from the single RJ45 connector on the main unit, at the rack, using standard CAT 5 wiring techniques. When using more than a single station, each station

must be adjusted for an independent address at the jumpers inside the station.

Paging Station Buttons

The paging station features 12 buttons (see Figure 1). Buttons labeled 1-5 with LED's are the zone selection buttons. The All button selects all of the zones at one time. The Clear button unselects all zones. The Chime button actuates a dingdong chime tone when the alarm/chime extension card is installed in the EPS-205 main unit. The Message button actuates a prerecorded voice announcement when the voice-messaging extension card is installed in the EPS-205 main unit. The Stop button interrupts a prerecorded voice announcement. The On LED at the Stop button identifies that the paging station is being powered and is operational. The Talk button, while held, allows live pages to be made. The Busy LED at the Talk button identifies when another paging station is making a page into the EPS-205 main unit. The Alarm button, while held, sounds an alarm alert, when the alarm/chime extension

card is installed in the EPS-205 main unit.

Paging Station Wiring

The Altec EPS-205/PS connects to the RJ45 connection on the EPS-205 main unit. Input 2 of the EPS-205 is paralleled to the audio of the RJ45 connection, such that Input 2 and the paging stations cannot be used simultaneously.

The rear-panel controls for Input 2 XLR connection adjust gain trim for the paging station. The Mic/Line switch at Input 2 must be "in" or at line level for proper function of the station.

The front-panel controls for Input 2 adjust the level and response of the paging station.

Up to three EPS-205/PS microphone terminal paging stations may be connected to the EPS-205 main unit via the single RJ45 connection on the rear panel. Each paging station must be home-run back to the location of the main unit (or equipment rack) to be paralleled together and connected to the main unit. Standard CAT 5, eight-wire RJ45 cable

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must be used to connect the paging stations, providing power, audio and data to/from the main unit and the station. Refer to Figure 2 for additional information on cabling information of CAT 5 wiring. The paging station has a built-in mic preamp to send line-level signal back to the main unit.

Wiring distances should not exceed recommended values. Refer to Figure 3 for cable length recommendations.

Paging Station Addressing

When using more than one paging station, each paging station must have a discrete address. The address may be changed by adjusting a jumper on the inside of the left panel of the paging station.

Refer to Figures 1 and 4 for additional information.

Priority Paging

The Altec EPS-205/PS functions depend on the internal jumper configuration of the EPS-205 main unit. Either jumper J301 or J302 must be inserted for proper function of the paging stations. Refer to the Altec EPS-205 main unit data sheet for additional information on priority configurations.

Extension Card Features with the Altec EPS-205/PS

ANRS-90212: alarm/chime card provides three variable tone functions for emergency alarm, dingdong chime and preannouncement chime. The alarm/chime extension card has gain adjustment and tone jumpers for each of the functions.

Activation of the functions occurs either via the Altec EPS-205/PS microphone terminal paging station or remote control connector.

On the paging station, the large, red covered button activates the emergency alarm tone. The button must be depressed and held for the desired duration of the alarm. The momentary chime button on the paging station actuates the chime dingdong tone. The preannouncement chime is activated automatically and immediately prior to live or prerecorded voice (ANRS-90213) announcements. The preannouncement chime may be overridden via the J303 internal jumper set-

ting. Paging stations are not required to activate these features.

ANRS-90213: voice messaging extension card provides up to one minute of nonvolatile prerecorded announcement which can be activated either via the paging station (EPS-205/PS) or the remote control connector. Recording, activation and interruption of the announcement may be done from the EPS-205/PS microphone terminal paging station or using Input 1 and the remote control connection.

To record from the paging station, depress and hold the Message, Stop and Talk buttons at the same time. Pause to allow the prechime tone, speak the message and release the buttons.

Paging Station Diagnostics

The Altec EPS-205/PS has the capability of running operational firmware diagnostics. To identify the internal jumper addressing of the station, first disconnect the station. Reconnect the station while depressing the Stop button. This will put the station in diagnostics mode. The On LED will blink in this mode.

The internal jumper address will be identified by the number of blinks of the Zone 1 LED, when the Chime button is depressed.

The firmware version of the unit will be identified by the blinking of the LED's at Zones 1, 2 and 3, when the Zone 5 button is depressed. For example, Version 1.03 is identified by the Zones 1 and Zone 3 LED's blinking.

To take the unit out of diagnostics mode, disconnect and reconnect the station.

Architects' and Engineers' Specifications

The Altec Lansing EPS-205/PS is the five-zone microphone terminal station for use with the Altec EPS-205 main unit. It provides the capability to page into select or all zones, to clear zone selection, to activate alarm and chime tones and to record, activate and interrupt voice messaging announcements. The Altec EPS-205/PS has 11 function buttons with LED's and one large, protected red button. The station is

powered by +24-V dc power run on CAT 5 cable from the Altec EPS-205 main unit. The station includes a 7-inch gooseneck-style condenser microphone. The station includes an internal mic preamp to send line-level audio signal back to the Altec EPS-205 main unit. The data logic from the station to the main unit is RS485. The station is a self-enclosed unit. The color of the station is beige. The station dimensions are 152 mm (6.0 in.) x 199 mm (7.83 in.) x 69.9 mm (2.75 in.) hwd. The unit shall be the Altec Lansing EPS-205/PS.

Limited Warranty

Altec Lansing products are guaranteed against malfunction due to defects in materials or workmanship for a specific period of time as noted in the individual product-line statement(s) below, or in the individual product owner's manual, beginning with the date of original purchase. If such malfunction occurs during the specified period, the product will be repaired or replaced (at our option) without charge. The product will be returned to the customer prepaid. **Exclusions and Limitations:** The Limited Warranty does not apply to: (a) exterior finish or appearance; (b) certain specific items described in the individual product-line statement(s) below; or in the individual product owners manual; (c) malfunction resulting from use of operation of a product other than as specified in the product data sheet or owner's manual; (d) malfunction resulting from misuse or abuse of the product; or (e) malfunction occurring at any time after repairs have been made to the product by anyone other than Altec Lansing Service or any of its authorized service representatives.

Obtaining Warranty Service: To obtain warranty service, a customer must deliver the product, prepaid, to Altec Lansing Service or any of its authorized service representatives together with proof of purchase of the product in the form of a bill of sale or receipted invoice. A list of authorized service representatives is available from Altec Lansing Service at 600 Cecil Street, Buchanan, MI 49107 (800/234-6831 or FAX 616/695-4743).

Incidental and Consequential Damages

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Excluded: Product repair or replacement and return to the customer are the only remedies provided to the customer. Altec Lansing shall not be liable for any incidental or consequential damages including, without limitation, injury to persons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. Other

Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Altec Lansing Electronics are guaranteed against malfunction due to defects in material or workmanship for a period of three (3) years for the date of original purchase. Additional details are included in the Uniform Limited Warranty statement.

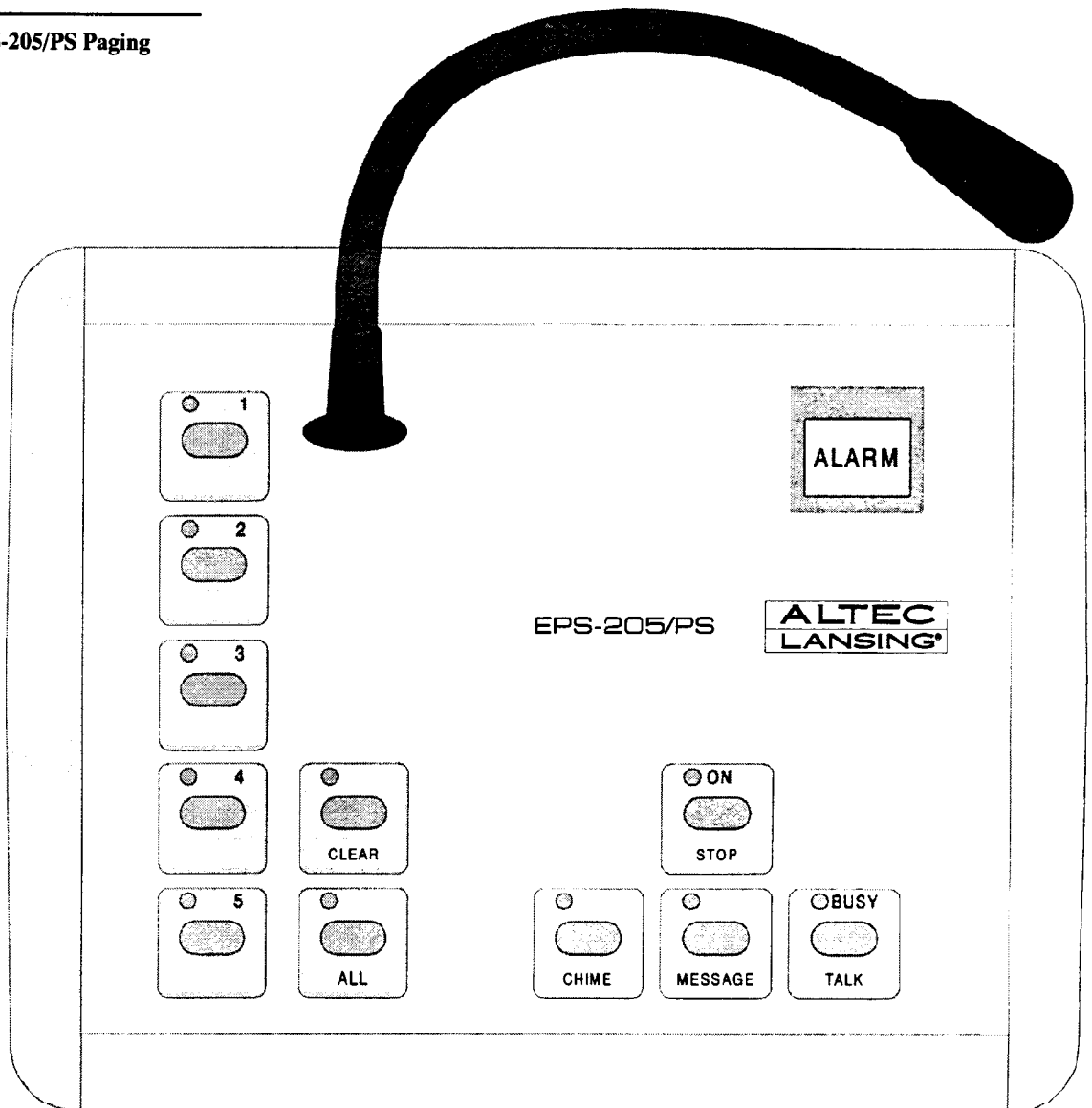
For Warranty repair or service informa-

tion, contact the service repair department at: 616/695-6831 or 800/685-2606.

For Technical assistance contact Technical Support at 800/234-6831 or 616/695-6831, M-F, 8:00am to 5:00pm EST.

Specifications subject to change without notice.

Figure 1—Altec EPS-205/PS Paging Station



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Figure 2—Paging Station CAT 5 Wiring Chart

Wire Number	Description
1	Operation voltage: +24 V dc
2	Operation voltage: ground
3	Signal wire: paging station detected
4	Data wire: RS485 conductor A
5	Data wire: RS485 conductor B
6	PTT: contact to ground
7	Balanced audio
8	Balanced audio

Please note the cable pairs: 1+2, 3+6, 4+5, 7+8

Figure 3—Paging Station CAT 5 Cable Length Limitations

Quantity	Wire: 4x2x0.;61 (Y) STY	Wire: 4x2x0.81 (Y) STY
1	160 m (524 ft)	280 m (938 ft)
2	80 m (262 ft) each	140 m (459 ft) each
3	50 m (164 ft) each	90 m (295 ft) each

Note: total cable length for total system should not exceed 1,000 m (305 ft).

Figure 4—Paging Station Addressing Jumper Chart

Address	Jumper 1-J1	Jumper 2 - J2
1	Inserted	Open
2	Open	Inserted
3	Open	Open



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