

LS-3 Series Talkback Loudspeaker Stations

Connection Instructions

LS-3 Talkback Loudspeaker Stations are available in 3 versions: Flush mount, Surface mount/table top, and Rack mount. Each of these versions may be single-circuit or multi-circuit, creating a complement of six models. Single circuit models are conventionally connected using 2-conductor shielded microphone cable. Multi-circuit versions require a shielded cable with one more conductor than the number of circuits to be connected - to a maximum of 9 circuits. Connection to the system varies by model.

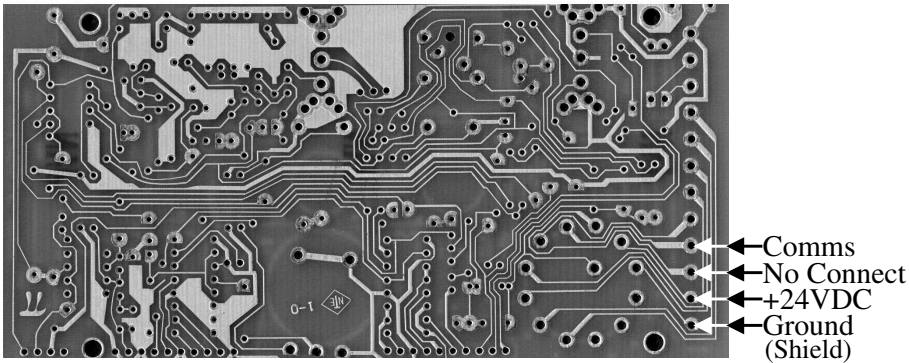
Caution: The shield in microphone cable used in this application serves multiple purposes. It is: 1) the shield protecting the audio; 2) the 0V reference for the +24VDC which powers the stations; 3) the 'Return' for the audio signal; 4) the 0V reference for the +12VDC which activates the signal lamps. It is critical, therefore, that the shield be treated as a conductor, and that it not be accidentally grounded anywhere in the system.

Flush-mount Versions

The flush mount versions are not enclosed and you have access to the terminal strip to make your connection. A female plug is plugged into the terminal strip when you receive the station. For convenience in making your connections, pull the plug out. It is keyed and will not plug back in incorrectly unless severely forced. The wiring connections are shown below. It is critical to make these connections correctly as the conductor intended to be connected to position 2 carries 24VDC and will damage the LS-3 if connected to the wrong position.

1. Flush-mount, single circuit LS-3

This model is fitted with a four-circuit strip connector, orange in color, located on the edge of the front circuit board. Carefully remove the plug from the socket. Connect the shield to the plug terminal which will mate with the socket position closest to the bottom of the circuit board. Connect the conductor carrying the +24VDC to the next position. Ignore position 3. Connect the conductor carrying the communication signal to position 4. (See diagram below)



LS-3 Flush-mount single circuit

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