

DELUXE HANDS-FREE INTERCOM Model 11-11159



Application:

The 11-11159 Deluxe Hands-Free Intercom provides “hands free” communication with greater control and privacy for the user compared to the “Basic” Hands-Free intercom (11-11157). It is designed to operate on a “0-dBm” line using simplex voltage control signals. They are most often used in locations where the user has his or her hands occupied and cannot operate a talk/listen switch, or may be some distance from the unit, as in a crew lounge. When “idling” (i.e., not in active use), this intercom monitors the audio line.

Features:

Modular (RJ45) line connector.

Circuit board jumpers for configuration of several parameters:

- 2-Wire/4-Wire operation
- 600 Ohm or Hi-Z termination
- DC blocking

Automatic level circuits in transmit and receive circuits help keep audio levels constant while “downward expansion” minimizes line noise.

Audio power amp with short circuit and over-temperature protection.

Long-life, sealed reed-type talk switches.

TVS Line protection.

Provided with an external AC power supply, but can also be powered with a 12 VDC supply (e.g., “12 V” battery).

Cross mute (ground), Auxiliary PTT Contacts and PTT foot switch contacts standard.

Choice of microphones: Electret standard, gooseneck or desktop dynamic microphones available as an option.

Operation:

When sitting idle this intercom is in the “receive” mode. While the intercom is in idle, the user can use the “Call/Talk” switch to send a voice message along with a simplex signal or can use the “Talk” switch to send a voice message only.

When a call is received (audio plus simplex voltage), this intercom will remain in receive mode until the simplex voltage is no longer present. At that time, it will change to the transmit mode for a preset amount of time (adjustable from 15 to 45 seconds, preset at the factory to 30 seconds). When the call is first received, a piezo buzzer momentarily sounds and the LED in the

“Talk” push button remains on as long as the intercom is in transmit. During the time the intercom is in transmit, the user can press the “Privacy” push button to mute the transmit audio. Momentarily depressing the “Call” button places +24 V DC simplex signal on the line. This is normally used to perform a call-in with the equipment at the other end.

Physical Description:

The 11-11159 Intercom is built in a rugged enclosure, comprised of a heavy gauge, hard anodized aluminum base and a painted, cold rolled steel top panel. Line, power and auxiliary connections are all made at the back of the intercom. Receive sensitivity, microphone sensitivity and transmit level adjustments are available at the bottom of the intercom. Jumper selections and any further level adjustments are made inside the case.

Specifications:

- Construction: Heavy gauge, hard anodized aluminum base with painted steel upper panel.
- Size: 6 7/8" wide x 4 5/8" tall x 7 5/8" deep
- Line Type: 2-wire and 4-wire, "0dBm" communication lines.
- Receive Level: -20 to +12 dBm, with ALC knee set at -26dBm,
- Transmit Level: -26 to +3 dBm into 600 Ohms
- Speaker: 3 1/2 inch, heavy duty with water-resistant cone.
- Audio Output: 1 Watt (Can be factory adjusted to 4 Watts upon request).
- Power Supply: Nominal 12 VDC, 2.1 mm jack with center positive, externally accessible fuse.
- Line Connections: RJ45 connector on back panel.
- Auxiliary connections via pluggable connector accessible from rear of unit. Aux. connections include PTT foot switch, ground cross mute and Aux. Relay contact. Aux. Relay contact is a "Form A" contact, factory configurable to provide an isolated closure, a pull-to-ground or a pull-to-+12 VDC.
- Available adjustments: Receive Sensitivity, Transmit Level and Microphone Sensitivity
- Push button with reed switches for long life. Switches illuminated with long-lasting LEDs.

Ordering Information:

11-11159 Hands-Free 2-Wire/4-Wire Intercom w/Call Tone

- To substitute a dynamic microphone on a gooseneck for the standard electret microphone, add "M" to the part number
- To substitute a desk-style dynamic microphone with a PTT switch, add "D" to the part number
- To add headset jacks for a "Plantronics-Style" headset using P-10 plug prong, add "H" to the part number.

Example: For a console with a gooseneck microphone and headset jacks, the part number is 11-11159MH

Other optional equipment:

HSX-1010-00 Heavy Duty Foot Switch for Push-to-Talk

11-16001 Wall-Mount Kit. Includes brackets and hardware to mount your console on a vertical surface