

2-WIRE/4-WIRE INTER-COM w/Simplex Signal Model 11-11158



Application:

The 11-11158 Intercom with Simplex Signaling provides 2-wire or 4-wire voice communication. It is designed to operate on a nominal "0-dBm" line and enables communicating between any two points. They can be used in permanent installations for office-to-office or shop-to-office communications. They can also be used for temporary communication during equipment cut-overs. This model can also send simplex signaling along with the voice. This can be used as a call signal when the intercom communicates with a multi-line console or as a control signal when it communicates with a hands-free or slave intercom.

Features:

Modular (RJ45) line connector.

Circuit board jumpers for configuration of several parameters:

- 2-Wire or 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.

Outbound simplex signaling, selectable (-24 VDC, ground or +24 VDC).

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

Long-life, sealed reed-type talk switch.

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:

Operation of the 11-11158 is extremely simple. The unit is normally in receive mode so the user can listen to line audio. To transmit on the line, the user actuates the push-to-talk switch and speaks toward the microphone. Whenever the intercom is transmitting, it also sends the simplex signal.

Physical Description:

The 11-11155 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.
- Simplex Signaling on transmit, -24 VDC, ground or +24 VDC. 50 mA max, PTC protected.
- 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 buttons with reed switches for long life. Switches illuminated with long-lasting LEDs.

Ordering Information:

11-11158 2-Wire/4-Wire Intercom w/Simplex Signal

- 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 11-111558MH.

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.