Larry McGee Co.
COMMUNICATION AND CONTROL SYSTEMS

3-LINE, 2-WIRE INTERCOM Model 11-11160

Application:

The 11-11160, 3-Line, 2-Wire intercom provides the ability to communicate over three 2-wire circuits. It is designed to operate on nominal "0-dBm" lines. It can be used to communicate to other single line intercoms, hands-free intercoms and communication consoles. It has a piezo buzzer to alert the user of an incoming call and the line select push buttons flash to indicate which line the call-in occurred on.

Features:

Modular (RJ45) line connectors
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.
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 11-11160 is straight forward. One of the three lines may be selected at a time for communication. When a call-in is received while no lines are selected, the piezo sounds and the push button for the called line will flash until it is selected. If a line is selected while a call-in occurs on one of the other lines, the push button for the called line will start to flash.
Selecting a line while another line is already selected, the line already selected will drop off. A line can also be deselected by pushing the corresponding line select push button.

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Physical Description:

The 11-11160 3-Line 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.
The three Line Select push buttons include LEDs to indicate a call-in or that the line is selected.

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 accessable 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:

11-11160 3-Line, 2-Wire Intercom

- 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 11-11160MH

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.

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