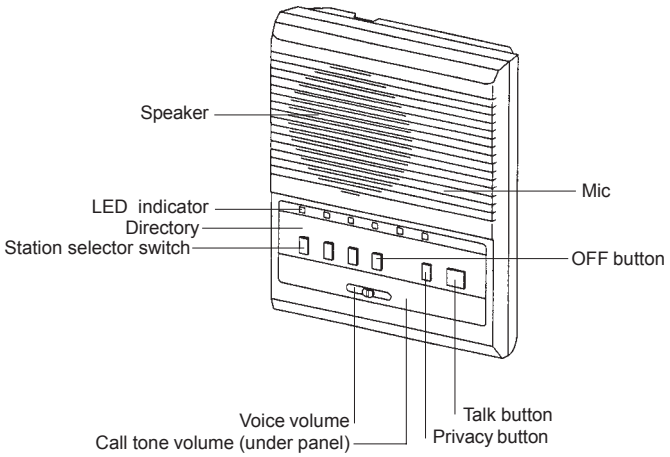
AIPHONE®

SPECIFICATIONS

LEF-3

3-Call Master Station



DESCRIPTION:
The LEF-3 is a selective calling open voice style master station with the capacity of up to 4 total stations. The system can be designed to meet a wide variety of needs, including any combination of master and sub stations up to its maximum capacity.

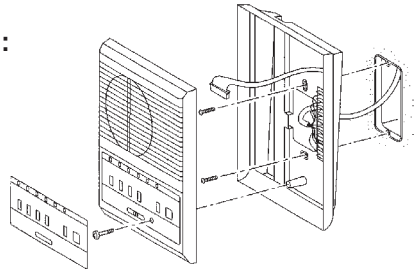
Incoming calls from a sub or door station are annunciated with a momentary electronic mono-tone and an LED, remaining lit for approximately 20 seconds. Communication at the calling master is press-to-talk, release-to-listen. Person at the receiving station speaks hands free. The person at the master station can selectively call and talk with a person at any other sub or master station in the system. The privacy feature on the master and selected subs prevents eavesdropping from the master station. A call can be received, but communication back to the calling master will be heard only after the privacy button is disengaged.

Master stations can be wall or desk mounted. Sub stations are available in surface or flush mount styles, with or without privacy. Outdoor stations are available in surface or flush mount styles. A vandal proof sub station is also available.

COMPATIBLE COMPONENTS:
- LEF or LAF Series Master Stations
- LE-, LA-, or LS-series Sub/Door Stations
- BG-10C Chime/Music Adaptor
- PS-1225UL Power Supply

FEATURES:
- Up to 4 stations
- Fully intermixable system, including any number of masters and subs up to the maximum capacity
- LED annunciation and momentary tone from calling sub or door station
- Push-to-talk at calling master
- Hands free communication at responding station
- Large variety of sub stations, surface or flush mount
- Selective monitoring
- Privacy button to prevent eavesdropping
- Voice and call tone volume controls

MOUNTING & INSTALLATION:



ARCHITECTS/ENGINEERS' SPECIFICATIONS:

The intercom system shall be of an open voice, selective calling type with individual selector switches for each station. Capacity shall be 4 stations, fully intermixable with any number of master or sub stations. Master station shall be simplex operation, with hands free response from the called station.

Master station shall be equipped with station selector switches, OFF button for standby mode, TALK button for simplex operation, and PRIV (privacy) button to block unauthorized monitoring. Voice volume control shall adjust transmit and receive volume at the calling master station, and a call tone volume control shall be located beneath the operation plate. An incoming call shall be annunciated by a momentary electronic call tone, and the corresponding station LED shall light for approximately 20 seconds. The LED shall not light if a master station calls another master station. LEDs above selector buttons shall illuminate when the station button is pressed at the calling master. The Occupied LED shall light to indicate that the system is in use, and the Off LED shall light on the master station that has a station selected.

Master station shall wall mount on a 1-gang box or ring or be desk mounted. Sub stations shall be available in the following configurations: (1) surface or flush mount styles, with or without privacy; (2) surface mount with three call buttons, with or without privacy; (3) weather resistant door stations in surface or flush mount styles, mounted on or in standard 1-gang or 2-gang boxes; (4) vandal proof sub station, indoor or outdoor styles, with optional surface mount box.

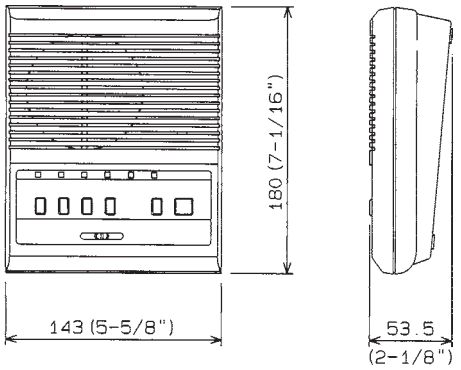
An optional adaptor shall be available to provide chime from up to three door stations, and provide an auxiliary input to distribute background music to all or selected sub or master stations in the system.

Wiring shall be multiple conductors with an overall shield inside a single jacket, including five (5) common wires, plus one (1) individual wire per station in the system between masters. Maximum 9 conductors. Wiring to sub stations shall be two (2) conductors in a 1-master system, and three (3) conductors in a system with two or more masters.

Manufacturer must have earned ISO 9001 certification on all intercommunication products.

SPECIFICATIONS:

Power source:	12V DC, 300mA per station. Use PS-1225UL
Output:	800mW @ 20 ohms (reception), 500mW @ 20 ohms (transmission)
Communication:	Press-to-talk, release-to-listen at master station. Hands free response.
Talk channel:	1 talkpath. Occupied LED when in use.
Capacity:	Up to 4 stations, intermixable
Wiring:	5 common wires (E, R, Y, +, -), plus 1 individual wire per station, looped. Sub stations: 2 wires homerun in single master system, or 2 common wires (E, -), plus 1 individual wire per station, looped or homerun.
Wiring Distance:	650' w/22AWG; 1600' w/18AWG
Speaker sensitivity:	40dB
Total Harmonic Distortion:	Less than 5% at rated output power
Signal to Noise Ratio:	60dB
Frequency Response:	-3dB, 770-6800Hz.
Dimensions (H x W x D):	LEF-3 7-1/16" x 5-5/8" x 2-3/16"



Intercom Solutions For Communications and Security

LEF-3-SS 92322 1104

Aiphone Communication Systems • 1700 130th Ave. NE • Bellevue, WA 98005
(425) 455-0510 • FAX: (425) 455-0071 • (800) 692-0200 • http://www.aiphone.com