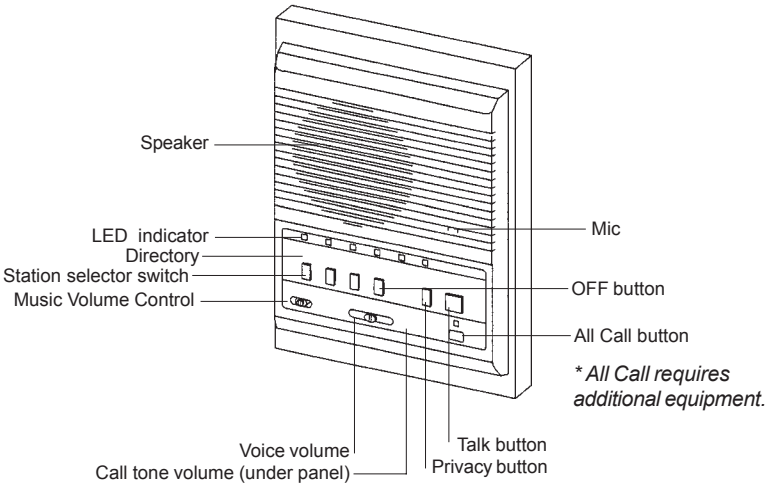
AIPHONE®

SPECIFICATIONS

LEF-3C

3-Call Semi-Flush Mount Master Station



DESCRIPTION:
The LEF-3C is a selective calling open voice style master station, used to answer calls from other remotes or masters. The system can be designed to include any combination of master and sub stations. The LEF-3C can be part of a larger system with the ability to communicate with three other stations, plus make an All Call* and/or receive background music*.

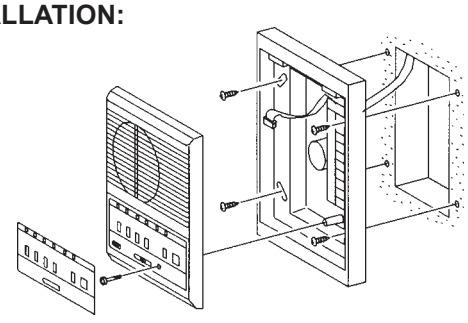
Incoming calls from a sub or door station sound an electronic tone and light an LED, remaining lit for approximately 20 seconds. Communication at the calling master is press-to-talk, release-to-listen, and is hands free at the responding station. The person at the master station can selectively call and talk with a person at any connected sub or master station in the system. The privacy feature on the master prevents eavesdropping from another master station. An All Call announcement can be made from the master if the system includes the All Call/Chime Adaptor.

The LEF-3C flush mounts into a wall. Sub stations are available in surface or flush mount styles, with or without privacy. Outdoor stations are available in surface or flush mount styles.

COMPATIBLE COMPONENTS:
- LEF or LEF-C Series Master Stations
- LE-series Sub/Door Stations
- *BG-10C All Call/Chime Adaptor
- PS-1225UL Power Supply

FEATURES:
- Up to 4 stations or intermixed with larger systems
- Fully intermixable system (masters and subs)
- LED annunciation and momentary tone from calling sub or door station
- Push-to-talk at calling master, and hands free at responding station
- Selective monitoring
- Privacy button to prevent eavesdropping
- All Call button (requires additional equipment)
- Voice, music, and call tone volume controls

MOUNTING & INSTALLATION:



ARCHITECTS/ENGINEERS' SPECIFICATIONS:
The intercom system shall be of an open voice, selective calling type with selector switches for each station. System shall be fully intermixable with other LEF-series masters or sub stations. Master station shall be simplex operation, with hands free reply from the responding 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. An All Call button shall be provided for initiation of an announcement throughout the system when the All Call Adaptor is included in the system. 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. A call from a sub or door 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 unit that has a station selected.

Master station shall flush mount into a wall. An optional backbox (BBX-1E) shall be available for ease of installation. 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; and (4) vandal proof style, indoor or outdoor models.

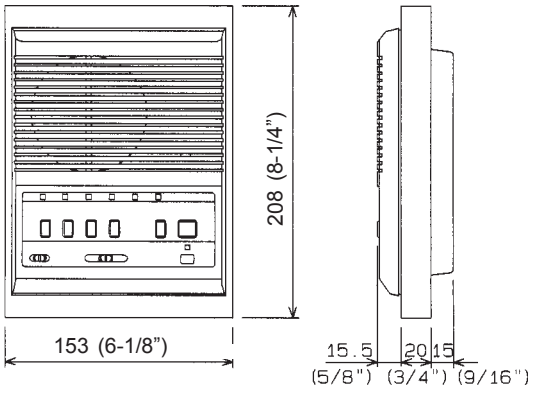
Optional equipment shall be available to provide chime from up to three door stations, All Call from a master station, and background music distribution to all or selected sub or master stations in the system.

Wiring shall be multiple conductors with an overall shield inside a single jacket, including eight (8) common wires, plus one (1) individual wire per station in the system between masters. Maximum 12 conductors. Wiring to sub stations shall be two (2) conductors in a 1-master system, or three (3) conductors in a system with two or more masters, or when All Call is included.

Manufacturer must have earned ISO 9001 certification for quality standards.

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. All Call: 3 add'l common wires (P1~P3). Sub stations: 2 wires homerun in 1-master system only, 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-3C 8-1/4" x 6-1/8" x 1-3/8"



Intercom Solutions For Communications and Security

LEF-3C-SS 92326 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