AIPHONE®

LEF Series

Communication, Paging, and Entry Security System

Homes | Offices | Schools | Industrial Facilities

Features and Benefits

- **Mix and match a variety of stations**
  Up to 11 components can be intermixed to create the desired communication solution
- **Complements CCTV system**
  Visitors can be seen with CCTV cameras while communicating via the intercom
- **PTT and hands-free communication**
  Calls are made with push-to-talk operation and answered with hands-free communication
- **LED and call-tone indicators**
  LED lights and call tones at the master station indicate which door/sub station is calling
- **Selective door release**
  When visitors are confirmed, doors can be unlocked with the push of a button
- **Selective Call and All Call**
  Provides the option to call one station at a time or to call all stations at once
- **Indoor and outdoor speakers**
  Announcements can be heard throughout the facility where speakers are installed
- **Reliable and designed to last**
  Customers can rely on this system with trouble-free use for years to come

Ideal Applications

Homes

Offices

Schools

Industrial Facilities

Components - Mix and match up to 11 door/master/sub stations

Door Stations

LE-D
Audio Only
Door Station
- Plastic cover
- Surface mount
- Fits 1-gang box

4-3/4" H
3-7/16" W
1-1/8" D

LE-SS-1G
Audio Only
Door Station
- Stainless steel
- Flush mount
- Fits 1-gang box

4-1/2" H
2-3/4" W
2-1/2" D
(back box depth)

LE-DA
Audio Only
Door Station
- Stainless steel faceplate
- Flush mount
- Fits 2-gang box

4-1/2" H
4-9/16" W
2-1/2" D
(back box depth)

LE-SS/A
Audio Only
Door Station
- Stainless steel
- Flush mount
- Fits 2-gang box

4-3/4" H
4-3/4" W
2-1/2" D
(back box depth)

LE-SSR
Audio Only
Door Station
- Red mushroom call button
- Stainless steel
- Flush mount
- Fits 2-gang box

4-3/4" H
4-3/4" W
2-1/2" D
(back box depth)

LE-SSV
Audio Only
Door Station
- Built-in CCTV camera
- Stainless steel
- Flush mount
- Fits 2-gang box

4-3/4" H
4-3/4" W
2-1/2" D
(back box depth)

LS-NVP/C
Audio Only
Door Station
- Powder-coated steel
- Flush mount
- Fits 3-gang box

7-1/2" H
5-1/2" W
2-1/2" D
(back box depth)

NOTE: *Aiphone recommends a 2-1/2" minimum back box depth for all flush mount door stations*

Master Stations

LEF-3
Audio Only
3-Call Master Station
- Surface mount

7-1/16" H
5-5/8" W
2-1/8" D

LEF-3L
Audio Only
3-Call Master Station
- Selective door release
- Surface mount

7-1/16" H
5-5/8" W
2-1/8" D

LEF-5
Audio Only
5-Call Master Station
- Selective door release
- Surface mount

8-1/8" H
7-1/2" W
2-3/16" D

LEF-10
Audio Only
10-Call Master Station
- Selective door release
- Surface mount

8-1/8" H
7-1/2" W
2-3/16" D

LEF-10S
Audio Only
10-Call Master Station
(Requires BG-10C)
- All Call button
- Selective door release
- Surface mount

8-1/8" H
7-1/2" W
2-3/16" D

LEF-3C
Audio Only
3-Call Master Station
(Requires BG-10C)
- All Call button
- Semi-flush mount

8-1/4" H
6-1/8" W
2" D (9/16" goes inside wall)

LEF-5C
Audio Only
5-Call Master Station
(Requires BG-10C)
- All Call button
- Selective door release
- Semi-flush mount

9-7/16" H
7-7/8" W
3" D (1-1/2" goes inside wall)

LEF-10C
Audio Only
10-Call Master Station
(Requires BG-10C)
- All Call button
- Selective door release
- Semi-flush mount

9-7/16" H
7-7/8" W
3" D (1-1/2" goes inside wall)

Components (Cont'd) - Mix and match up to 11 door/master/sub stations

Sub Stations *(includes sub stations, speakers, and paging adaptors)*

LE-A
Audio Only Sub Station
- Surface mount

6-1/4" H
5-1/8" W
2" D

LE-AN
Audio Only Privacy Sub Station
- Surface mount
- Privacy button

6-1/4" H
5-1/8" W
2" D

LE-A3
Audio Only 3-Call Sub Station
- Surface mount

7-1/16" H
5-5/8" W
2-1/8" D

LE-AN3
Audio Only 3-Call Privacy Sub Station
- Surface mount
- Privacy button

7-1/16" H
5-5/8" W
2-1/8" D

LE-B
Audio Only Sub Station
- Semi-flush mount

8-1/4" H
6" W
2" D (9/16" goes inside wall)

LE-BN
Audio Only Privacy Sub Station
- Semi-flush mount
- Privacy button

8-1/4" H
6" W
2" D (9/16" goes inside wall)

LEF-1C
Audio Only Sub Master Station
(Requires BG-10C)
- All Call button
- Semi-flush mount

8-1/4" H
6" W
2" D (9/16" goes inside wall)

SP-20N
Ceiling Speaker
(Requires NP-25V)
- 20Ω, 4W
- Indoor use
- Flush mount

Diameter: 12-7/8"
Baffle Diameter: 8"

AH-108
Horn Speaker
- 8Ω, 10W
- Indoor or outdoor use
- Surface mount

Bell Diameter: 6-1/8"
Depth: 6-1/2"

BA-1
Paging Adaptor
(Requires 1 amplifier per paging zone - use T3115BGM, T3130BGM, DMA2060, or DMA2120)

4-1/8" H
2-1/2" W
1-1/2" D

Power Supply

PS-1225UL
12V DC Power Supply
(Required for system)

Accessories

BG-10C
All Call, Chime, and Music Adaptor
(Required for LEF-10S, LEF-3C, LEF-5C, LEF-10C, and LEF-1C)

T3115BGM
15W Paging Amplifier

T3130BGM
30W Paging Amplifier

DMA2060
60W Paging Amplifier

DMA2120
120W Paging Amplifier

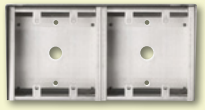
HID-SS
Card Access Station with HID® ProxPoint® Plus Proximity Card Reader

ICP-BR
Brass Faceplate for LE-DA

ICP-AB
Antique Brass Faceplate for LE-DA

SBX-1G
Surface Mount Box for LE-SS-1G

SBX-2G
Surface Mount Box for LE-DA, LE-SS/A, LE-SSR, or LE-SSV



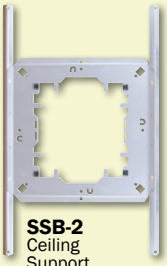
SBX-2BH
Horizontal Surface Mount Box for HID-SS and one LE-DA, LE-SS/A, LE-SSR, or LE-SSV

SBX-2BV *(Not shown)*
Vertical Surface Mount Box for HID-SS and one LE-DA, LE-SS/A, LE-SSR, or LE-SSV

SBX-NVP
Surface Mount Box for LS-NVP/C

BBX-1E
Back Box for Flush Mounting LE-B, LE-BN, LEF-1C, or LEF-3C

BBX-3E *(Not shown)*
Back Box for Flush Mounting LEF-5C or LEF-10C



SSB-2
Ceiling Support Bracket for SP-20N

EL-12S
12V AC/DC, 200mA Electric Door Strike
(Requires PT-1210N)

PT-1210N
12V AC Transformer
(Required for EL-12S)

RY-PA
Door Release Relay

LEW-5, LEW-10, LEW-10S
Terminal Box

NP-B
Flush Mount Indoor Call Button

NP-W
Surface Mount Box for NP-B

LT-1
20Ω-to-8Ω Matching Transformer

NP-25V
33µF, 25V Non-Polarized Capacitor

RY-AC/A
External Signaling Relay

Specifications

Spec▼ | Model►	LEF-3, LEF-3L, LEF-5, LEF-10, LEF-10S, LEF-3C, LEF-5C, LEF-10C	LE-A, LE-AN, LE-A3, LE-AN3, LE-B, LE-BN, LEF-1C	BG-10C
Power Source	12V DC, 300mA per active master station - use PS-1225UL	Drawn from master station	12V DC, 2.5A - use PS-1225UL
Output	800mW @ 20Ω (receive), 500mW @20Ω (transmit)		
Wire	See wiring table below		
Wire Distance	From door or sub station to farthest master station: 650'(22AWG) 1,600'(18AWG)		500'(22AWG) 1,000'(18AWG)

Component	Wire #	Gauge	Conductor
▼ LEF Standard Wiring			
LEF-3	822210	22 AWG	10 cond., overall shield
LEF-5	822212	22 AWG	12 cond., overall shield
LEF-10, LEF-10S	822220	22 AWG	20 cond., overall shield
▼ LEF-1C Wiring			
Homerun to BG-10C	822212	22 AWG	12 cond., overall shield
Looped (max. 9 stations)	822220	22 AWG	20 cond., overall shield
LEF-3C	822212	22 AWG	12 cond., overall shield
LEF-5C	822215	22 AWG	15 cond., overall shield
LEF-10C	822220	22 AWG	20 cond., overall shield
BG-10C to Master	822220	22 AWG	20 cond., overall shield

Component	Wire #	Gauge	Conductor
▼ Sub / Door Station Wiring			
Homerun (22AWG)	822203	22 AWG	3 cond., overall shield
Homerun (18AWG)	821803	18 AWG	3 cond., overall shield
Looped (max. 4 stations)	822206	22 AWG	6 cond., overall shield
Looped (max. 8 stations)	822210	22 AWG	10 cond., overall shield
LE-A3, LE-AN3	822206	22 AWG	6 cond., overall shield
▼ Door Release Wiring (K Terminals)			
LEF-3L	822212	22 AWG	12 cond., overall shield
LEF-5, LEF-5C, LEF-10, LEF-10S, LEF-10C	822220	22 AWG	20 cond., overall shield
Additional Wiring for Door Release (optional)	822210	22 AWG	10 cond., overall shield

LOCAL AIPHONE EXPERTS ARE HERE TO HELP.

CONTACT US TODAY!

LEF
Brochure
07/2013

GSA Schedule
GS-35F-0065L

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