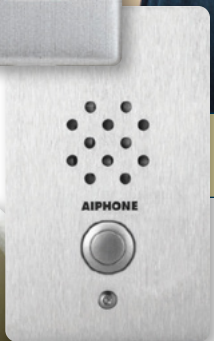


LEF Series

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

- 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



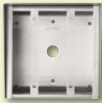
ICP-BR
Brass Faceplate for LE-DA



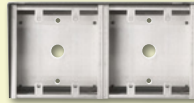
ICP-AB
Antique Brass Faceplate for LE-DA



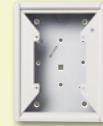
SBX-1G
Surface Mount Box for LE-SS-1G



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



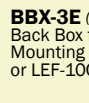
SBX-2BH
Horizontal Surface Mount Box for HID-SS and one LE-DA, LE-SS/A, LE-SSR, or LE-SSV
SBX-2BV (Not shown)
Vertical Surface Mount Box for HID-SS and one LE-DA, LE-SS/A, LE-SSR, or LE-SSV



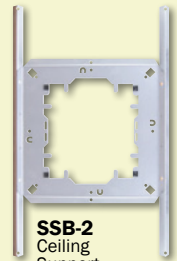
SBX-NVP
Surface Mount Box for LS-NVP/C



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)

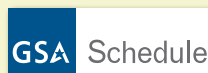
Component	Wire #	Gauge	Conductor
▼ LEF Standard Wiring			
LEF-3	822210	22 AWG	10 cond., overall shield
LEF-5	822212	22 AWG	12 cond., overall shield
LEF-10, LEF-10S	822220	22 AWG	20 cond., overall shield
▼ LEF-1C Wiring			
Homerun to BG-10C	822212	22 AWG	12 cond., overall shield
Looped (max. 9 stations)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

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