

**OPEN VOICE INTERCOMS**  
**LEM & LEF Series**  
*Access Control Intercom Systems*  
• Audio or Audio / Video Door Entry •



# A variety of Open Voice Intercom Systems for Business and Residential applications, providing a means for communicating between multiple points to enhance security and convenience.

## In Businesses (LEM-1DL)

The LEM-1DLS Access Sentry set is an audio door answering and door release system for business use. Identifying a visitor before allowing them access improves the security and adds convenience to any business. Various applications include offices of all sizes, courthouses, hotel / motel door entries, retail and convenience stores, and virtually any type of small secured facility.



## Business & Commercial (LEF)

The LEF system can be designed to meet a wide variety of communication needs, depending on the type of facility and the communication requirements. Any combination of master, sub, and door stations can be intermixed up to the system's capacity. This is an ideal system for Gate / Entry, Repair shops, and many commercial / industrial applications. Where communication and access control is needed at remote locations, the LEF can serve as an electronic security guard, allowing access to authorized people only.



## In Clinics (LEM-3)

The LEM system is a compact, simple to use, internal intercom system. A master station with one or up to three remote stations can be used for simple communication between locations or for monitoring remote areas. Various applications include hospitals, clinics, schools, daycare centers, correctional and law enforcement offices, plus many others.



## In Homes (LEF-C / MY)

The LEF-C audio system in combination with the optional MY video system provides the ultimate in audio / video communication for the home. The homeowner can easily identify and speak to the person at the door. The camera in the door station can be adjusted, expanding the view of the entry area. Intercom stations located throughout the home provide easy communication between rooms. All of these features provide an extra measure of security and convenience for people in their homes.



## LEF-C (Audio / Video)



**MK-DGC\***  
PanTilt Video Door Station,  
aluminum panel, 3-gang



**MYH-CUB**  
Video Monitor,  
semi-flush mount

**LEF-10C**  
10-Call Master Station with  
All Call, semi-flush mount



**LEF-5C**  
5-Call Master Station with  
All Call, semi-flush mount



**LE-DA\***  
Door Station, stainless steel  
faceplate, flush mount, 2-gang



**LEF-3C**  
3-Call Master Station,  
semi-flush mount



**LEF-1C**  
All Call Sub Master Station,  
semi-flush mount  
*requires BG-10C*



**BG-10C**  
All Call, Chime and Music Adaptor

\* See back page for complete sub and door listing

## Intermixable Open Voice System - Semi-flush Mount Design

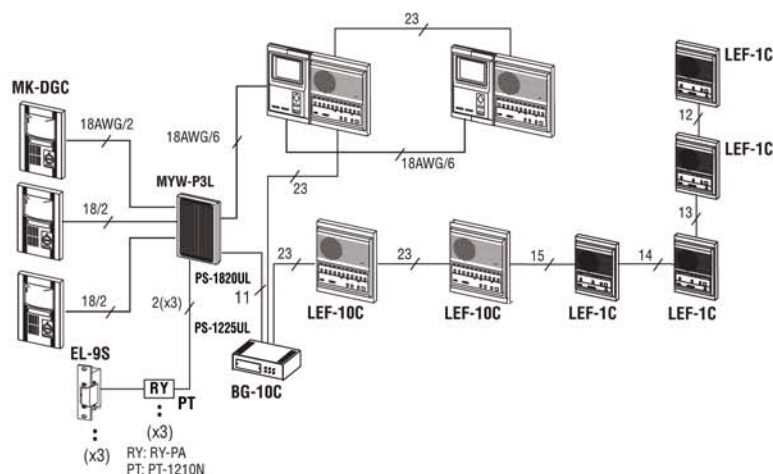
The Master Sentry system provides simple communication between rooms and outside entry areas. For small to large homes, a system can be designed to meet virtually any communication need.

### Features:

- Same features as LEF system, plus
- Semi-flush mount master and sub stations
- LEF-1C sub-master for door answering & All Call
- Every master and sub-master can initiate All Call
- Monitor any room station from a master station
- Door Chime and All Call with BG-10C (+ PS-1225UL)
- Music volume control on masters, LEF-1C & LE-C/CN subs
- Black & white PanTilt video door entry can be included

Models	Capacity	Cable
LEF-1C	(sub-master)	10 (12 w/video)
LEF-3C	4 stations	12 cond.
LEF-5C	6 stations	15 cond. (*1)
LEF-10C	11 stations	20 cond. (*2)

(\*1) +5 (K1 ~ K5),  
(\*2) +10 (K1 ~ K10)  
for video and/or door  
release control



LEF-1C's can answer one door station,  
receive calls from any master station,  
and make an All Call announcement.

# LEM-1DL

DOOR 1 → INSIDE 4



**LE-D\***  
Door Station, plastic cover, surface mount



**LEM-1DL**  
Master Station with door release button



**PT-1210N**  
AC Transformer, 12V AC



**EL-9S**  
Electric Door Strike, 12V AC, 350mA

### Boxed Set



**LEM-1DLS:** LEM-1DL, LE-D & PT-1210N

# LEM-1, LEM-3

DOOR/SUB 3 → MASTER 2



**LEM-1**  
1-Call Master Station, surface mount



**LEM-3**  
3-Call Master Station, surface mount



**LE-A\***  
Sub Station, surface mount

\*See back page for complete sub and door listing

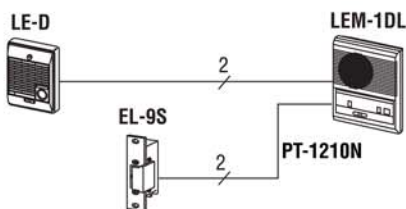
\*See back page for complete sub and door listing

## Access Sentry Door Entry System

LEM-1DL is ideal for businesses, providing calling and communication from a secured door to an inside station. Once a visitor's identification is verified, an electric strike can be activated from the inside station.

### FEATURES:

- Call tone from door and hands-free communication
- Push-to-talk door answering at inside station
- Door release control (normally open contacts)
- Use any LE-series sub or door station
- Call tone and communication volume controls
- Wall or desk mountable master station
- AC (PT-1210N) or DC powered (PS-1225UL)

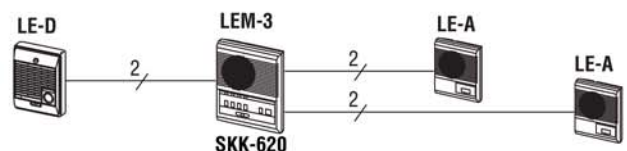


## Single Master Open Voice System

LEM-1 and LEM-3 are compact master stations that can answer and communicate with one, or up to three remote stations. Indoor sub stations or door stations can be used. Ideal for monitoring a room or where simple hands-free communication is required.

### FEATURES:

- 1- and 3-call master stations
- Subs call with tone (and LED on LEM-3)
- Push-to-talk at inside station to answer sub
- Hands-free communication at sub
- Use any LE-series sub or door station
- Communication volume control
- 2 conductor homerun wiring from subs
- 6V DC powered (SKK-620)



## LEF (Audio Only)



**LE-DA\***  
Door Station, stainless steel faceplate, flush mount, 2-gang



**EL-9S**  
Electric Door Strike, 12V AC, 350mA



**LE-A3\***  
3-Call Sub Station, surface mount



**LE-AN3\***  
3-Call Privacy Sub Station, surface mount



**LEF-3**  
3-Call Master Station, surface mount



**LEF-3L**  
3-Call Master Station with selective door release, surface mount



**LEF-5**  
5-Call Master Station, surface mount



**LEF-10**  
10-Call Master Station, surface mount



**LEF-10S**  
10-Call Master Station with All Call, surface mount

\*See back page for complete sub and door listing

## Intermixable Open Voice System - Surface Mount Design

The LEF system can be designed with a variety of master and sub stations to create the communication system needed. With its design flexibility, the LEF can be used for virtually any application.

### FEATURES:

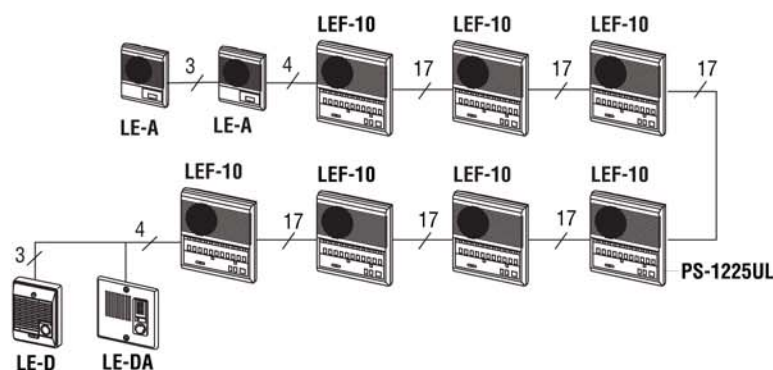
- Intermix master stations, subs, and door stations up to maximum capacity
- Selective calling from a master station with hands-free reply
- Call-in from subs and doors activate tone and LED at master(s)
- Selective door release from LEF-5, 10, 10S
- Privacy feature prevents eavesdropping (all masters and "N" model subs)
- Variety of sub station models available
- Communication and call tone volume controls

### OPTIONS:

- All Call, Chime, and Music input (w/LEF-10S, BG-10C and PS-1225UL)
- PanTilt black & white video door entry can be added (MK/MY series)

Models	Capacity	Cable
LEF-3	4 stations	9 conductors
LEF-5	6 stations	12 cond. (*1)
LEF-10	11 stations	17 cond. (*2)
LEF-10S	11 stations	20 cond. (*2)

(\*1) +5 (K1 ~ K5),  
(\*2) +10 (K1 ~ K10)  
for video and/or door release control



# Common Sub Station & Accessories

Interior Sub Stations				Exterior Door Stations (all exterior door stations are weather resistant)											
• Surface Mount •		• Semi-flush Mount •		• One Gang •		• Two Gang •									
<b>LE-A</b> (shown) Sub Station	<b>LE-A3</b> (shown) 3-Call Sub Station	<b>LE-B</b> (shown) Sub Station	<b>LE-C*</b> (shown) Sub Station with All Call / music volume control	<b>LE-D</b> Door Station, plastic cover, surface mount	<b>LE-SS-1G</b> Door Station, vandal-resistant, stainless steel, flush mount	<b>LE-DA</b> Door Station, stainless steel faceplate, flush mount	<b>LE-SS</b> Door Station, vandal-resistant, stainless steel, flush mount	<b>LE-SSR</b> Door Station, vandal-resistant, stainless steel, red mushroom call button, flush mount	<b>LE-SS-GP</b> Door Station, vandal-resistant, gold plated, flush mount						
<b>LE-AN</b> Privacy Sub Station	<b>LE-AN3</b> 3-Call Privacy Sub Station	<b>LE-BN</b> Privacy Sub Station	<b>LE-CN*</b> Privacy Sub Station with All Call / music volume control	*requires BG-10C											
PanTilt Video Door Stations (all are weather resistant), Interior Monitors & Camera Adaptors															
• Surface Mount •			• Semi-flush Mount •		• Flush Mount •		• Monitors •		• Adaptors •						
<b>MK-DAC</b> PanTilt Video Door Station, plastic cover, 1-gang	<b>MK-DBC</b> PanTilt Video Door Station, plastic cover, 3-gang	<b>MK-DGC</b> PanTilt Video Door Station, aluminum panel, 3-gang	<b>MK-DGV</b> PanTilt Video Door Station, vandal-resistant, stainless steel faceplate	<b>MYH-CU</b> Video Monitor, surface mount	<b>MYH-CUB</b> Video Monitor, semi-flush mount	<b>MYW-P1L</b> Single PanTilt Door Adaptor	<b>MYW-P3L</b> 3 PanTilt Door Adaptor	<b>MYW-P10L</b> 10-Camera Video Adaptor with selective door release							
Options & Accessories															
<b>HID-SS</b> Accessory Station with Embedded HID <sup>®</sup> Proximity Card Reader	<b>ICP-BR</b> Brass Faceplate for LE-DA	<b>ICP-AB</b> Antique Brass Faceplate for LE-DA	<b>SBX-SS-1G</b> Surface Mount Box for LE-SS-1G	<b>SBX-2G</b> Surface Mount Box for LE-DA, LE-SS and LE-SSR	<b>SBX-GP-2G</b> Surface Mount Box for LE-SS-GP, gold plated	<b>SBX-2BH</b> Horizontal Mount Box for HID-SS and LE-SS or LE-SSR (vertical mount also available - SBX-2BV)	<b>SBX-DGV</b> Surface Mount Box for MK-DGV	<b>MKW-R</b> Surface Mount Box for MK-DBC	<b>KAW-D</b> 30° Angle Box for MK-DAC	<b>KMB-45</b> 45° Mullion Mounting Bracket for MK-DAC	<b>EL-9S</b> Electric Door Strike, 12V AC, 350mA	<b>RY-PA</b> Door Release Relay	<b>BG-10C</b> All Call, Chime and Muic Adaptor	<b>MYW-BA &amp; MYW-BA-M</b> Long Distance Adaptor between monitors	<b>BA-1</b> Paging Adaptor

## Specifications

System	Power Supply	Output	Wiring	Distance
<b>LEM-1DL</b>	<b>PT-1210N</b> 12-16V DC, 4VA 12-24V DC, 200mA (24V)	100mW, adjustable	2 wires (NP) + 2 for EL-9S (separately jacketed)	To door: 650' (22AWG) 1,600' (18AWG)
<b>LEM-1</b> <b>LEM-3</b>	<b>SKK-620A</b> 6V DC, 200mA	350mW, adjustable	2 wires (NP), homerun	To door/sub: 650' (22AWG) 1,600' (18AWG)
<b>LEF-3, LEF-5</b> <b>LEF-10, LEF-10S</b>	<b>PS-1225UL</b> (intercom only) 12V DC, 300mA per LEF station	800mW at 20d (receive) 500mW at 20d (transmit), adjustable	ZI All master system; 5 common + No. of LEF/Subs (6 common with door release) • Single master; 2 wires (NP), homerun (E to - link remains attached) • Intermixed system; 3 wires to LE subs (E to - link removed)	To farthest station: 650' (22AWG) 1,600' (18AWG)
<b>LEF-3C, LEF-5C</b> <b>LEF-10C</b>	<b>PS-1225UL</b> (intercom only) 12V DC, 300mA per LEF-C station			
<b>BG-10C</b>	<b>PS-1225UL</b> (for LEF & BG-10C) 12V DC, 2.5A	————	19 wires max., BG-10C ~ LEF-10C, 3 wires to each LE-D/DA	BG-10C to LEF: 500' (22AWG) 1,200' (18AWG)
<b>MYW-P1L</b>	<b>PS-1820UL</b> 18V DC, 500mA	————	2 wires to door (NP), 6 wires in loop, to monitors, 6 wires to LEF	To door: 330' (18AWG) Between monitors: 245' (18AWG)
<b>MYW-P3L</b>	<b>PS-1820UL</b> 18V DC, 600mA	————	2 wires to door (NP), 6 wires in loop, to monitors, 11 wires, MYW-P3L to BG-10C/LEF	
<b>MYW-P10L</b>	<b>PS-1820UL</b> 18V DC, 600mA	————	2 wires to door (NP), 6 wires in loop, to monitors, 19 wires, MYW-P10L to BG-10C/LEF	

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