Open Voice Intercom

**Features**
- Intermixable system with any number of masters and subs to max. capacity
- Selective calling from any master with hands-free reply
- LEF surface and LEF-C semi-flush units can be intermixed
- Variety of sub stations are available
- Weather-resistant door stations (any number) with selective door release
- System options: All Call/Music/Chime
- Selective door release with LEF-5/10/10S (w/RY-PA)

**Communication network**
Selective call between inside stations. Answering & releasing door from any inside station

**Wiring**
Door answering w/selective door release

**Cabling**

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<th>Models</th>
<th>Capacity</th>
<th>Cable</th>
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<td>4 stations</td>
<td>9 wires</td>
</tr>
<tr>
<td>LEF-5</td>
<td>6 stations</td>
<td>11 wires (+5: K1–K5*)</td>
</tr>
<tr>
<td>LEF-10</td>
<td>11 stations</td>
<td>17 wires (+10: K1–K10*)</td>
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<tr>
<td>LEF-10S</td>
<td>11 stations</td>
<td>20 wires (+10: K1–K10*)</td>
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</tbody>
</table>

- K1–K10: Control terminals for video, door release.
- LEF-3 does not have L terminal.
- Door & inside sub stations can ring 2 or 3 LEF masters.
- LEF All-master trunk cable=5 (or 6) common + no.of LEF (& subs)
Door & inside substations can ring 2 or 3 LEF masters. LEF-3 does not have L terminal.

- Open Voice Intercom
  - Variety of sub stations are available
  - Selective calling from any master with hands-free reply
  - Intermixable system with any number of masters and subs to

<table>
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<th>Model</th>
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<th>Special Features</th>
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<td>LEF-10</td>
<td>LE-D, LE-A</td>
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<td>All call, chime &amp; music adapter</td>
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<tr>
<td>LEF-3</td>
<td>LE-D, LE-A</td>
<td>9</td>
<td>Access control keypad, flush mount</td>
</tr>
</tbody>
</table>

Power supply
- LEF-5: PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O

Wiring configuration
- 2 wires per sub.
- Run 3 wires to subs individually, or use multi-conductor cable to wire multiple subs (2 common + 1 per sub).
- LE-D call-in chimes on LEF stations.
- Only LEF-10S station can transmit all call.
- Match door release control terminals (Kn) with door selector #10 with K10, #9 with K9.

Specifications (LEF)
- Power source: 12V DC, 300mA per LEF station.
- Power supply: PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O
- Communication: Sub calls in w/chime tone & LED, 20 sec.
- Door release: Contact: 30V DC, 0.1A (resistance load).
- Selector switch: Contact: 12V DC, 30mA.
- Wiring: 5 wires common + no LEF (& subs) (all-master system)
- All call transmit: From LEF-10S, 10C & LEF-1C and LEF-10S
- All call receive: All LEF master station
- Chime tone transmit: AUX R, E and AUX L, E
- Controls: Music off/on, 11 selector switches of music & chime, chime only or off.

Specifications (BG-10C)
- Power source: 12V DC, 2.5A (music max. output).
- Power supply: PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O
- All call transmit: From LEF-10S, 10C & LEF-1C and LEF-10S
- All call receive: All LEF master station
- Chime tone transmit: AUX R, E, and AUX L, E
- Controls: Music on/off, 11 selector switches of music & chime, chime only or off.

Wiring configuration
- 2 wires per sub.
- Run 3 wires to subs individually, or use multi-conductor cable to wire multiple subs (2 common + 1 per sub).
- LE-D call-in chimes on LEF stations.
- Only LEF-10S station can transmit all call.
- Match door release control terminals (Kn) with door selector #10 with K10, #9 with K9.

Specifications (LEF)
- Power source: 12V DC, 300mA per LEF station.
- Power supply: PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O
- Communication: Sub calls in w/chime tone & LED, 20 sec.
- Door release: Contact: 30V DC, 0.1A (resistance load).
- Selector switch: Contact: 12V DC, 30mA.
- Wiring: 5 wires common + no LEF (& subs) (all-master system)
- All call transmit: From LEF-10S, 10C & LEF-1C and LEF-10S
- All call receive: All LEF master station
- Chime tone transmit: AUX R, E, and AUX L, E
- Controls: Music on/off, 11 selector switches of music & chime, chime only or off.

Specifications (BG-10C)
- Power source: 12V DC, 2.5A (music max. output).
- Power supply: PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O
- All call transmit: From LEF-10S, 10C & LEF-1C and LEF-10S
- All call receive: All LEF master station
- Chime tone transmit: AUX R, E, and AUX L, E
- Controls: Music on/off, 11 selector switches of music & chime, chime only or off.
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- Selective calling from any master with hands-free reply
- LEF surface and LEF-C semi-flush units can be intermixed
- Weather-resistant door stations (any number) with selective door release
- System options: PanTilt door/monitor(s), All Call/Music/Chime
- Selective door release with LEF-5/10/10S (w/RY-PA)

**Communication network**
Internal communication by Selective call. Sub calls in with tone & LED 20 sec.

**Unit dimensions**
- LEF-3C: 3-call master
- LEF-5C: 5-call master
- LEF-10C: 10-call master
- LE-B/N: Privacy sub

**Wiring**

**Specifications (LEF-C)**
- **Power source**: 12V DC, 300mA per station.
- **Power supply**: PS-1208S, PS-1208UL, PS-1208BF
- **Communication**: Sub/door calls in w/tone & LED, 20 sec. Depress the LED lit selector button. Depress TALK/LISTEN switch. The LED stays lit while in use. Single talk channel w/OCCUPIED lit.
- **Output**: 800mW at 20Ω (receive). 500mW at 20Ω (transmit).
- **Door release**: Contact: 110V AC, 1A. 24V DC, 1A. (on RY-PA output).
- **Selector switch**: Contact: 12V DC, 1A. (K terminals)
- **Wiring**: 5 or 6 common + no. all stations
- **Wiring distance**: Farthest LEF-C’s: 200m (0.65mm wire). 300m (0.8mm wire)
LE Sub stations & Accessories

Weather-resistant sub

- LE-D Sub station
- LE-DA Sub station
- LE-DL Sub station

Room sub

- LE-A Sub station
- LE-AN Privacy sub

All call sub master

- LEF-1C All call sub master

All call/music/chime adaptor

- BG-10C All call, chime & music adaptor

Unit dimensions

- LE-D
- LE-DA
- LE-DL

Semiflush mount sub

- LE-B Sub station
- LE-BN Privacy sub

Specifications (BG-10C)

- Power source: 12V DC, 2.5A (music max. output), 1.5A (music, chime & all call), 0.1A standby
- Power supply: PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O
- All call transmit: From LEF-3C, 5C, 10C & LEF-1C and LEF-10S
- All call receive: All LEF master station
- Chime tone transmit: AUX K, E and AUX L, E
- Controls: Music on/off, 11 selector switches of music & chime, chime only or off.
- Wiring: 19 wires max. BG-10C to LEF-10C, 3 wires to each LE-D, DA.
- Wiring distance: BG-10C to LEF-C 150m (0.65mm²), 220m (0.8mm²)
  LE-D/DA to BG-10C 200m (0.65mm²), 300m (0.8mm²).