

## DESCRIPTION

The LEF-10 is a selective calling open voice style master station with a capacity of up to 11 total stations. The system can be designed to meet a wide variety of needs, including any combination of master and sub stations up to its maximum capacity.

Incoming calls from a sub or door station are annunciated with a momentary electronic mono-tone and an LED, remaining lit for approximately 20 seconds. Communication at the calling master is press-to-talk, release-to-listen. The person at the receiving station speaks hands-free. The person at the master station can selectively call and talk with a person at any other sub or master station in the system. The privacy feature on the master and selected subs prevents eavesdropping by another master station. A call can be received, but communication back to the calling master will be heard only after the privacy button is disengaged.

Master stations can be wall or desk mounted. Sub stations are available in surface or flush mount styles, with or without privacy. Outdoor stations are available in surface or flush mount styles. Indoor and outdoor vandal proof stations are also available.

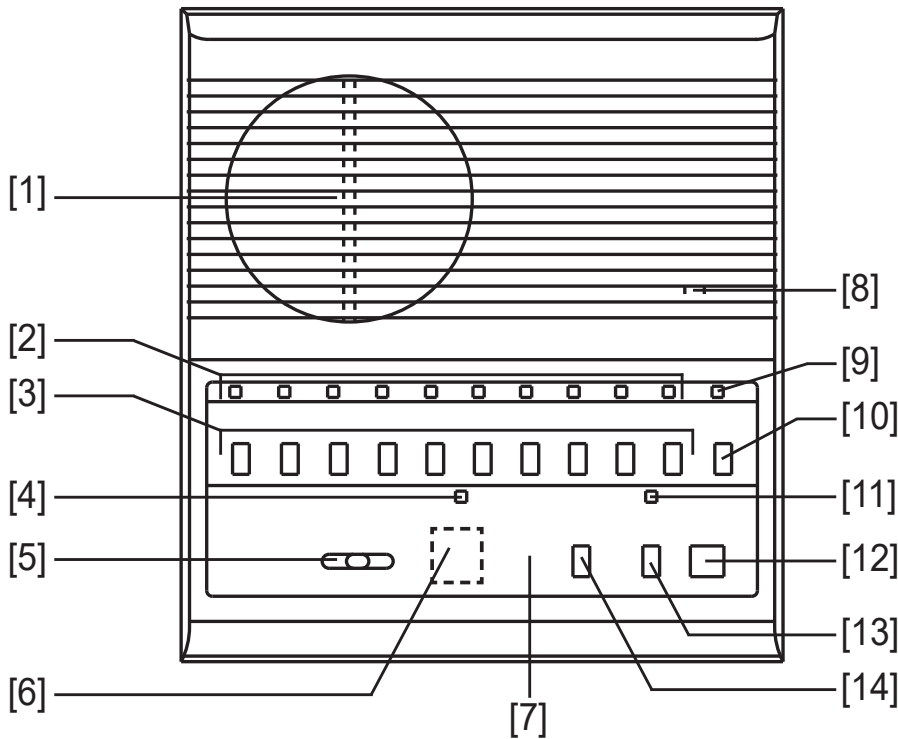
## FEATURES

- Supports up to 11 total master, sub, or door stations
- LED and tone to announce incoming calls
- Push-to-talk at calling master station
- Hands-free communication at responding station
- Large variety of sub and door stations
- Selective monitoring
- Privacy feature prevents unauthorized monitoring
- Voice and call tone volume controls
- Selective door release

# LEF-10

## Analog 10-Channel Master Station

### FEATURE CALL-OUT



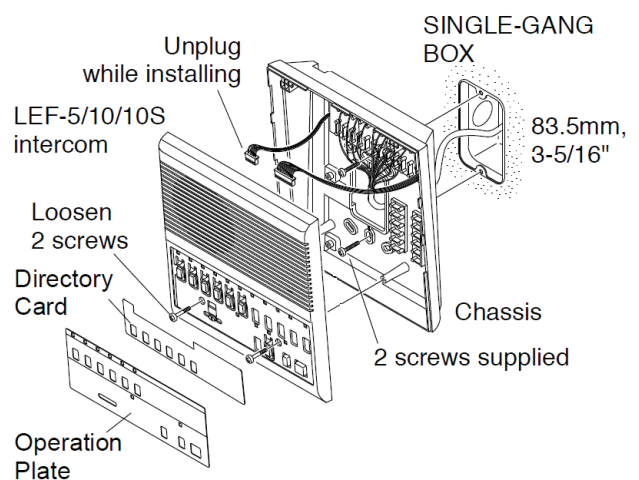
### FEATURE LEGEND

- [1] Speaker
- [2] Sub call-in LED (channels 1-10)
- [3] Station selector button (channels 1-10)
- [4] In-use LED
- [5] Voice volume control
- [6] Call tone volume control (hidden)
- [7] Directory card
- [8] Microphone
- [9] Station selected LED
- [10] Off button
- [11] Privacy mode LED
- [12] Talk button
- [13] Privacy button
- [14] Door release button

### COMPATIBLE COMPONENTS

- LEF Series Master Stations
- LE- or LS- Series Sub/Door Stations
- BG-10C All Call/Chime Adaptor
- PS-1208UL Power Supply, PS-1225UL with BG-10C
- RY-PA Door Release Relay
- BA-1 Paging Adaptor
- RY-AC/A External Signaling Relay

### MOUNTING & INSTALLATION



## ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The intercom system shall be of an open voice, selective calling type with individual selector switches for each station. Capacity shall be 11 stations, fully intermixable with any number of master or sub stations. Master station shall be simplex operation, with hands-free response from the called 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. Door release button (key symbol) shall allow for selective activation of up to 10 door strikes or maglocks through the use of relays. 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. An incoming call 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. A tone shall be heard at the called master while pressing the TALK/PRIV buttons on the calling master. 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 master station that has a station selected.

Master station shall be equipped with extra contact terminals corresponding to each selector button, capable of controlling remote devices, such as door strikes, maglocks, lights, or camera systems.

Master station shall wall mount on a 1-gang box or ring, or desk mount with an optional desktop terminal box. Sub stations shall be available in the following configurations: (1) surface or flush mount styles, with or without privacy; (2) weather resistant door stations in surface or flush mount styles, mounted on or in standard 1-gang or 2-gang boxes; (3) vandal proof sub station, indoor or outdoor styles, with optional surface mount box.

An optional adaptor shall be available to provide chime from up to three door stations, and provide an auxiliary input to distribute background music 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 five (5) common wires, plus one (1) individual wire per station in the system between masters. Add one (1) common wire for door release. Maximum 17 conductors, not including "K" terminals. Add one (1) wire for each station requiring external device control. Wiring to sub stations shall be two (2) conductors in a 1-master system, and three (3) conductors in a system with two or more masters.

Manufacturer must have earned ISO 9001 certification for quality standards.

## TECHNICAL SPECIFICATIONS

<b>Power Source:</b>	12V DC, 300mA per station. Use PS-1208UL, or PS-1225UL for systems with BG-10C.
<b>Output:</b>	800mW @ 20Ω (reception) 500mW @ 20Ω (transmission)
<b>Communication:</b>	Press-to-talk, release-to-listen at master station. Hands-free at responding station.
<b>Talk Channel:</b>	1 talkpath. Occupied LED when in use.
<b>Wiring:</b>	5 common wires (E, R, Y, +, -), plus 1 individual wire per station, looped. Sub stations: 2 wires homerun in single master systems, or 2 common wires (E, -), plus 1 individual wire per station, looped or homerun.
<b>Capacity:</b>	Up to 11 stations, intermixable
<b>Wiring Distance:</b>	650' w/22AWG; 1600' w/18AWG
<b>Speaker Sensitivity:</b>	40dB
<b>Total Harmonic Distortion:</b>	Less than 5% at rated output power
<b>Signal to Noise Ratio:</b>	60dB
<b>Frequency Response:</b>	-3dB, 770-6800Hz
<b>Operation Temp:</b>	32°~104°F (0°~40°C)
<b>Dimensions:</b>	8-1/18" H x 7-1.2" W x 2-3/16" D