

Access Sentry Door Entry Control System





LEM-1DL

1-call master, with door release button







INSTALLATION & OPERATION MANUAL

LEM-1DL ACCESS SENTRY is a convenient 2-station entry control system and can most suitably be used in small offices, retailers / mall's back doors, etc.






PRECAUTIONS

-  Prohibited
  Do not dismantle unit
  Keep unit away from water
  Be sure to follow the instructions

WARNING (Negligence could result in death or serious injury.)

-  1. Do not dismantle or alter the unit. Fire or electric shock could result.
-  2. Do not connect any non-specified power source to the +, - terminals. Also, do not install two power supplies in parallel to a single input. Fire or damage to the unit could result.
-  3. Keep the unit away from water or any other liquid. Fire or damage to the unit could result.
-  4. When existing chime wires are used, it is possible that they contain AC voltage. Electric shock or unit damage could result. Ask a qualified technician.
-  5. Do not use power supply with a voltage other than specified. Fire or electric shock could result.
-  6. For power supply, use Aiphone power supply model specified to use with system. If non-specified product is used, fire or malfunction could result.





CAUTION (Negligence could result in injury or damage to property.)

-  1. Before turning on the power, make sure wires are not crossed or shorted. Fire or electric shock could result.
-  2. When mounting the unit on wall, install the unit in a convenient location, but not where it could be jarred or bumped. Injury could result.
-  3. Do not install or make any wire terminations while power supply is plugged in. It can cause electrical shock or damage to the unit.
-  4. Do not install the unit in any of the following locations. Fire, electric shock, or unit trouble could result.
 - * Places under direct sunlight, or near heating equipment, boiler that varies in temperature.
 - * Places subject to dust, oil, chemicals, hydrogen sulfide (hot spring).
 - * Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
 - * Places where the temperature is quite low, such as inside refrigerated area or in front of an air conditioner.
 - * Places subject to steam or smoke (near heating or cooking surfaces).
 - * Where noise generating devices such as dimmer switches or inverter electrical appliances are closeby.
 - * Locations subject to extremely powerful electric fields.
-  5. Do not install the unit in a location subject to frequent vibration or impact. It may fall or tip over, resulting in damage to the unit or personal injury.

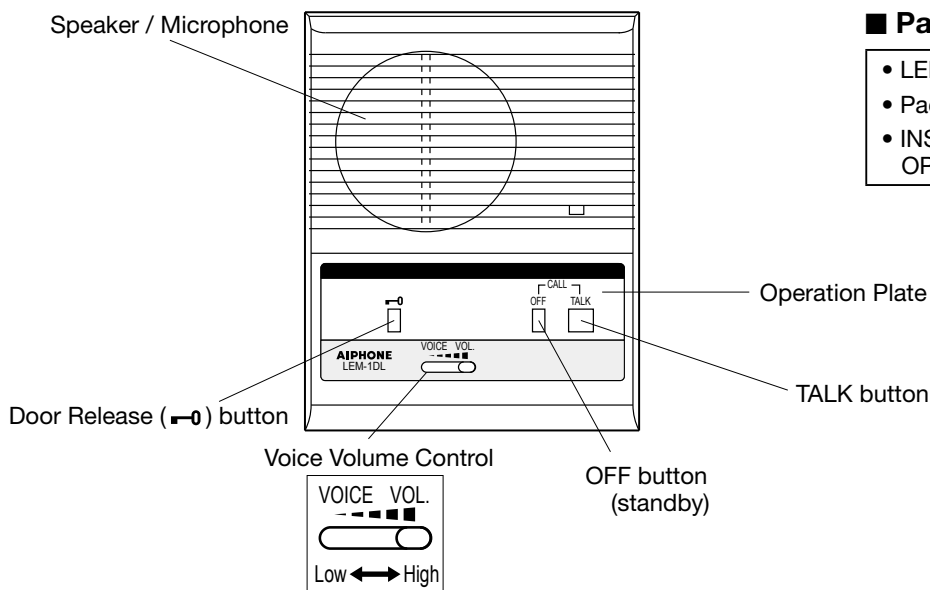
GENERAL PRECAUTIONS

1. Keep the unit more than 1 m (3.3') away from Radio or TV sets.
2. In areas where broadcasting station antennas are closeby, the intercom system may be affected by radio frequency interference.
3. The unit will not work during power failure.
4. All units, except for door stations, are designed for indoor use only. Do not use at outdoor locations.
5. Using a mobile phone or professional-use radio equipment such as walkie-talkie close to the system may cause a malfunction.

1 System Components

Master station  1-call master with DOOR RELEASE button	Sub station  LE-D Surface mount door station  LE-DA Flush mount door station  LE-A 1-call sub station	Door release EL-12S AC 12V, 125mA	Power supply PT-1210N AC transformer (North America only) Or use an equivalent AC transformer AC 12V, 10VA. PS-1225UL PS-1225S PS-1225 PS-1215DIN
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2 Names & Features



■ Package contents

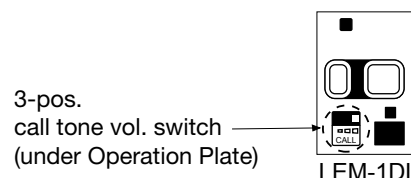
- LEM-1DL
- Packet of screws
- INSTALLATION & OPERATION MANUAL

FEATURES:

- * Convenient door entry control system with DOOR RELEASE button
- * AC transformer (PT-1210N) supplies power for both communication and door strike
- * Desk-top or wall-mountable master

■ Call tone adjustment

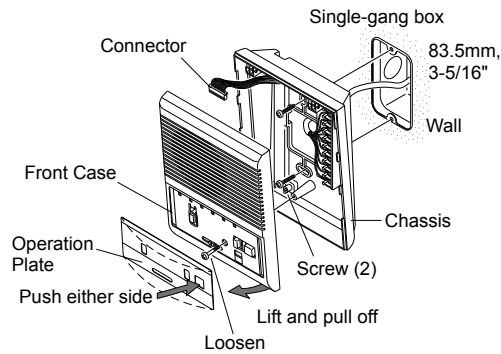
3-position volume switch, located under Operation Plate.
Adjusts call tone volume (Low - Medium - High).



3 Mounting

Back wiring

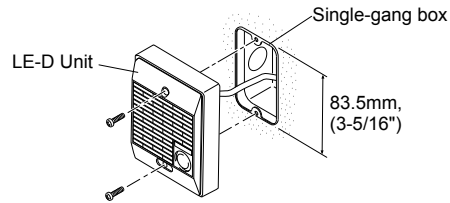
•LEM-1DL



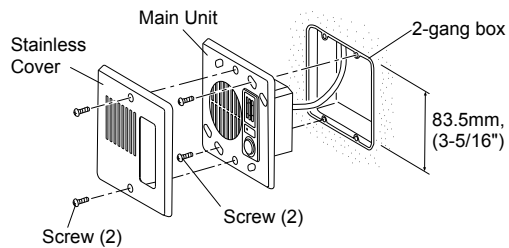
★ For surface wall cable run, pass through opening on top or bottom of back case.

LE subs

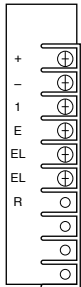
•LE-D



•LE-DA

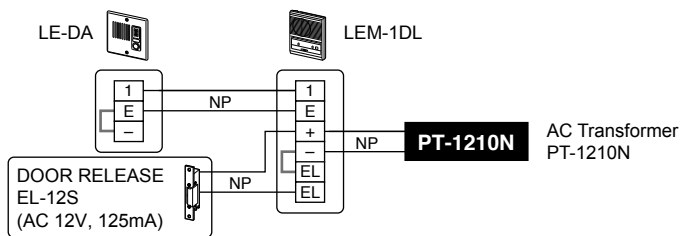


4 Wiring



+ } — for AC or DC power supply
 - }
 1 — for calling & communication
 E — for communication (common)
 EL, EL — for door release & its power supply
 Normally open dry contact closure

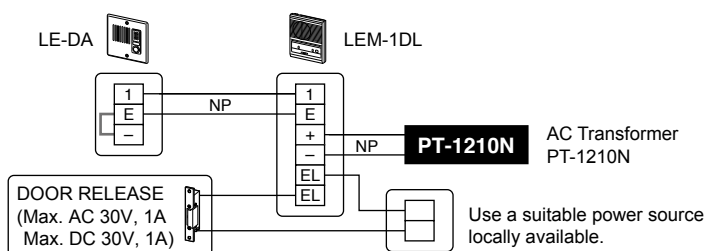
When EL-12S door release is used;



The actual terminal locations are different from the ones shown in the diagram below.

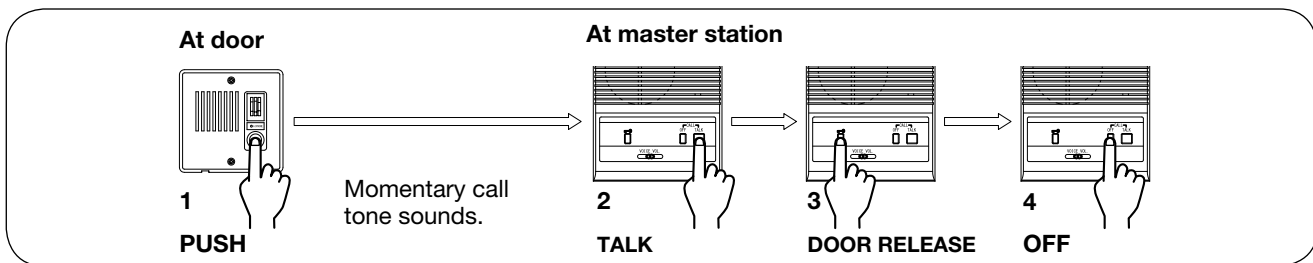
NP: Non-polarized

When door release of OTHER manufacturer is used;



Run separately each cable to Door station and Door Release.

5 Operations



1. Push call button on door station to call master station (tone remains while call button is held down).
 2. Push and hold "TALK" button to reply, then release to listen.
 3. Push " " to activate door release.
 4. Push OFF button to end conversation.
- If you don't push the OFF button after the call, master station will not receive a call tone when called by the door station.

6 Specifications

Power Source: AC 12 ~ 16V or DC 12 ~ 24V. Use one PT-1210N AC transformer (North America only) or PS-1225UL, PS-1225S, PS-1225, PS-1225DIN

Consumption: Max. 4W (AC 16V). Max. 200mA (DC 24V)

Calling: Electronic continuous tone (from door to master)
Electronic continuous tone or voice (from master to door)

Communication: Push-to-talk, release-to-listen at master (w/ speech volume control)

Output: 100mW

Wiring: **2 wires** (non-polarized) **plus 2 wires** for door release

Contact capacity for door release: Max. AC 30V, 1A. or Max. DC 30V, 1A

Wiring distance:

(feet Ø)						(mm Ø)					
AWG	24	22	20	18	16	Diameter	0.5	0.65	0.8	1.0	1.2
Distance	390'	650'	980'	1,570'	2,360'	Distance	120m	200m	300m	480m	720m

Dimensions & weight: 7"H x 5-1/2"W x 2-1/4"D. 180H x 143W x 55D(mm). 0.75 lbs. (340g)(approx.)

WARRANTY

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The object area of is the EU.

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