

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.

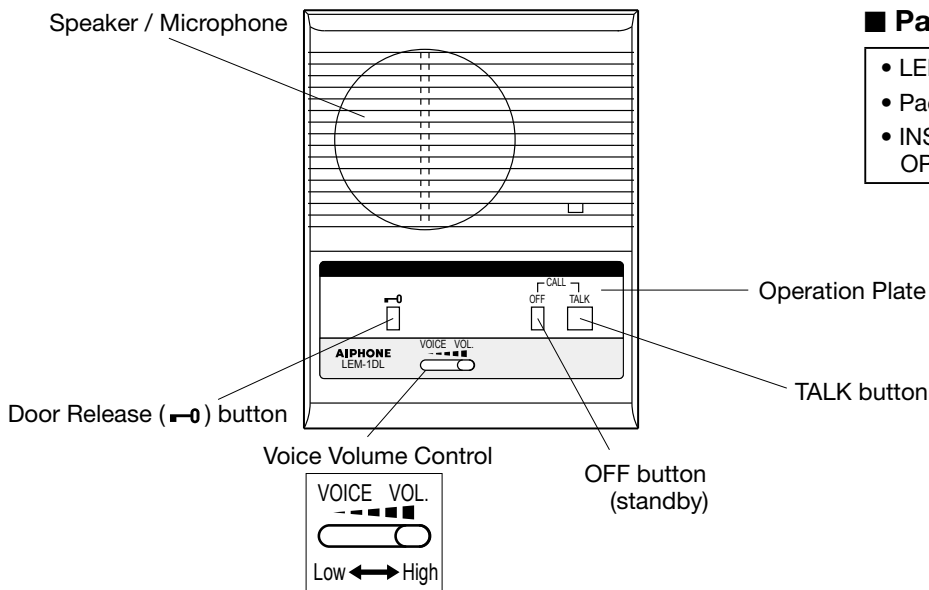
 **GENERAL PRECAUTIONS**

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

2 Names & Features



■ Package contents

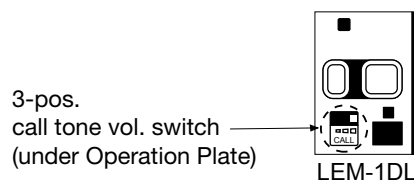
- LEM-1DL
- Packet of screws
- INSTALLATION & OPERATION MANUAL

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

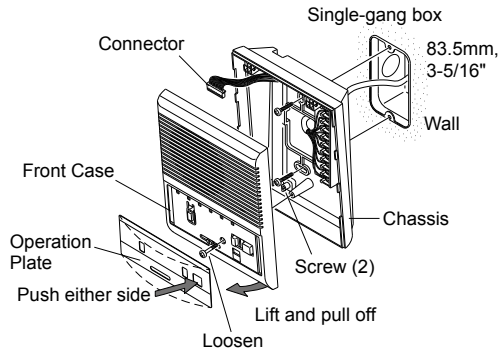
3-position volume switch, located under Operation Plate.
Adjusts call tone volume (Low - Medium - High).



3 Mounting

Back wiring

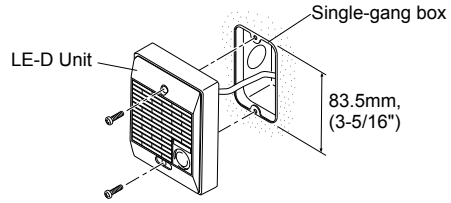
•LEM-1DL



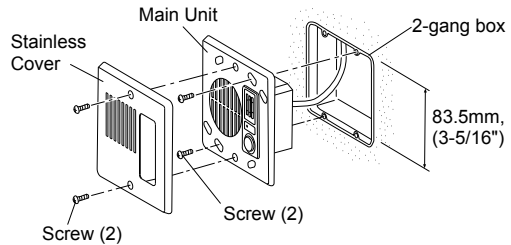
★ For surface wall cable run, pass through opening on top or bottom of back case.

LE subs

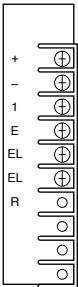
•LE-D



•LE-DA

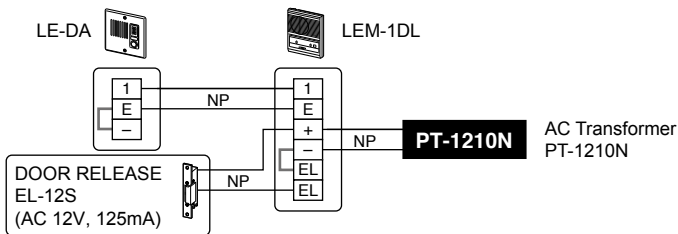


4 Wiring



- + } — 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

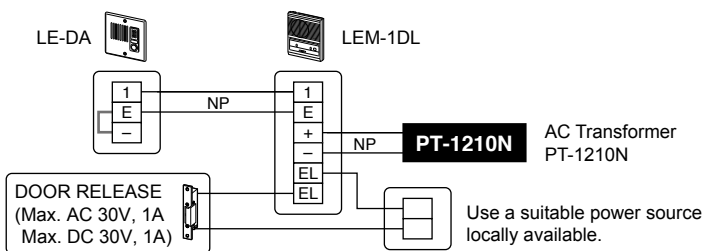
When EL-12S door release is used;



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

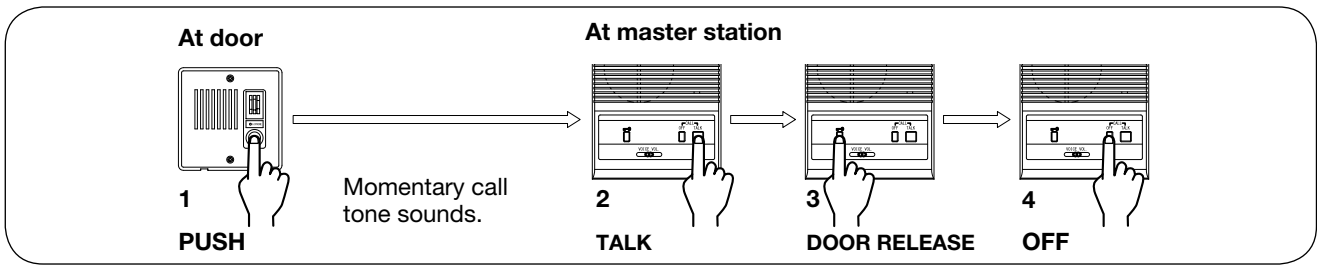
NP: Non-polarized

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

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, power surge, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. This warranty is limited to the standard specifications listed in the operation manual. This warranty does not cover any supplementary function of a third party product that is added by users or suppliers. Please note that any damage or other issues caused by failure of function or interconnection with Aiphone products is also not covered by this warranty. Aiphone will not be responsible for any costs incurred involving on site service calls. Aiphone will not provide compensation for any loss or damage incurred by the breakdown or malfunction of its products during use, or for any consequent inconvenience or losses that may result.

The object area of is the EU.