

## FLUSH MOUNT APARTMENT INTERCOM STATIONS

Now with  
Braille

### APPLICATION

IR-104E is an economical 4-wire apartment intercom station for new construction, where new wiring is used. Minimal depth makes for a particularly easy and attractive installation. The large 3 1/2", 1 Watt, 45 Ohm speaker provides superior voice quality audio reproduction.

Contemporary styling, featuring stark white color and pleasing lines, compliments most decors. Advanced circuitry and simple pushbutton operation make this the perfect station for use in large or small buildings.

New Braille legends, in addition to English language and symbol legends make this station easy to operate by all.

IR-103E is a 3-wire version of the IR-104E, for use in bell/buzzer conversions. IR-105E is a 5-wire version, used mostly as a replacement station.

### SPECIFICATIONS

**Size:** 6 7/8"H, 5"W, 2"D. Projects only 1" from mounting surface.

**Controls:** Individually replaceable Talk, Listen and Door Release buttons with self-wiping, plated contacts.

**Finish:** High impact ABS plastic.

**Speaker:** 3 1/2", 1 Watt, 45 Ohm. Heavy duty magnet with natural voice reproduction. Also used for tone signal from lobby panel.

**Color:** Stark white, with black imprinting.

**Amplifier:** Use Lee Dan model PK-543A or PK-543.

### Wiring Requirements

**IR-103E** 3 Wires. Use 1 twisted pair, plus 1 selective #22 gauge.

**IR-104E** 4 Wires. Use 1 twisted pair, plus 1 conductor common, plus 1 selective #22.

**IR-105E** 5 Wires. Use 2 twisted pairs, plus 1 selective #22 gauge.



(shown smaller than actual size)

### OVER 70 OTHER APARTMENT STATIONS

See brochure A-101 to select from one of over 70 different apartment stations!

### Mounting Methods

- IH-101 Flush back box for concrete and open stud walls.
- IH-102 Flush plaster ring for drywall construction.
- IH-400A Desk cabinet, sloping style, white ABS.
- IH-700 Surface back box. White powder coated steel.

**ARCHITECTS' & ENGINEERS'  
SPECIFICATIONS**

**Stations:** Intercom stations shall be Lee Dan model IR-104E or approved equal. Stations shall be molded in white, high impact ABS plastic. Individual pushbutton controls shall be provided for Talk, Listen, and Door release functions. Button identification shall be provided in english, braille, and by symbols. Pushbuttons shall be self-wiping type with positive screw terminals. Pigtail connections are not acceptable. Speaker shall be 3.5", 1 Watt, 45 Ohm. Pushbuttons and speakers shall be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Scrulox type.

**Amplifier:** Intercom amplifier shall be Lee Dan model PK-543A, PK-543, or approved equal. Amplifier shall be powered by a Lee Dan model PS-30A transformer (16VAC/30VA), or approved equal which shall be UL listed.

**"Quantum" Lobby Panel (option 1 of 3):** Intercom panel shall be a Lee Dan vandal-proof Quantum™ series or approved equal. Panel shall be constructed of 16 gauge low-carbon Stainless Steel. Pushbuttons shall be heavy 6 amp rated, chrome plated, solid brass, round metal buttons. Pushbutton connections must be made by positive screw terminals by circuit board. Pigtail connections will not be acceptable. Apartment numbers shall be permanently engraved directly on the surface of the panel. Building address shall be permanently engraved at the top of the lobby panel.



Speaker shall be 3.5", 1 Watt, 45 Ohm with mylar cone. Paper cone speakers are not acceptable. Speaker shall be protected by a three (3) layer metal speaker baffle. Intercom panel shall include an integral alphabetical directory protected by Lexan® sheet. Speaker, pushbuttons and directory components shall all be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Tampruf type. A Lee Dan model SC-T Tampruf type screw driver shall be provided with each lobby panel for directory maintenance.

**"Van-Guard" Lobby Panel (option 2 of 3):** Intercom panel shall be a Lee Dan vandal resistant Van-Guard™ series or approved equal. Panel shall be constructed of heavy extruded aluminum with permanently engraved solid aluminum black anodized plungers. Pushbuttons shall be self-wiping type with positive screw terminals. Pigtail connections will not be acceptable. Pushbuttons shall be mounted on a sub-plate mounted behind the extruded aluminum module(s). Pushbuttons shall be activated by pressing the solid metal plungers.



Speaker shall be 3.5", 1 Watt, 45 Ohm with mylar cone. Paper cone speakers are not acceptable. Speaker shall be protected by a double metal speaker baffle. Intercom panel shall include an integral alphabetical directory protected by Lexan® sheet. Speaker, pushbuttons and directory components shall all be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Scrulox type. A Lee Dan model SC-1 Scrulox type screw driver shall be provided with each lobby panel for directory maintenance.

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Model IR-104E

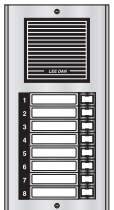
**APPLICATION**

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**"Style E" Lobby Panel (option 3 of 3):** Intercom panel shall be a Lee Dan economy Style "E"™ series or approved equal. Panel shall be constructed of extruded aluminum with permanently engraved number strips. Panel styles without engraved apartment numbers shall not be acceptable. Pushbuttons shall be self-wiping type with positive screw terminals. Pigtail connections will not be acceptable.



Speaker shall be 3.5", 1 Watt, 45 Ohm with mylar cone. Paper cone speakers are not acceptable. Speaker shall be protected by an ABS plastic speaker grille. Intercom panel shall include metal nameholders for tenant identification. Plastic nameholders shall not be acceptable. Speaker, pushbuttons and grille components shall all be field replaceable. Glued in place components are not acceptable. Mounting screws shall be tamper resistant Scrulox type. A Lee Dan model SC-1 Scrulox type screw driver shall be provided with each lobby panel for maintenance.

**Other Accessories**

- DO-001** Mortise style electric door strike. Normally locked type.
- IH-101** Flush back box for concrete and open stud walls.
- IH-102** Flush plaster ring for drywall construction.
- IH-400A** Desk cabinet, sloping style, white.
- IH-700** Surface back box. White enamel on steel.
- PS-3A** UL listed Pigtail transformer. 16VAC 10VA