

## OVERSIZED APARTMENT INTERCOM STATION

### APPLICATION

IR-081 series oversized apartment stations are large enough to cover the hole left by many previous intercom stations, so there's no painting necessary. There are no *standard* mounting holes for IR-081's. Custom 2, 3, or 4 hole configurations are drilled upon request at a small extra charge, to fit your existing back boxes.

### SYSTEM OPERATION

The visitor, by pressing the appropriate button on the entrance panel, causes an electronic tone signal to be heard at the IR-081. The resident responds by pushing the TALK button while speaking to the caller, the LISTEN button while waiting for a reply, and the DOOR button to allow entry to the building.

### SPECIFICATIONS

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

*Controls:* Individual button controls for Talk, Listen and Door Release

*Finish:* White powder coat on steel.

*Holes:* Stock with no holes. 2, 3, or 4 hole configurations drilled upon request at small extra charge.

*Screws:* Includes scrulox tamper resistant mounting screws (qty per mounting holes drilled).

*Amplifier:* Use LEE DAN® model PK-543A.

*Speaker:* 3 1/2" 1 Watt, 45 Ohm heavy duty magnet with natural voice frequency.

*Speaker Baffle:* High impact white ABS plastic grille.

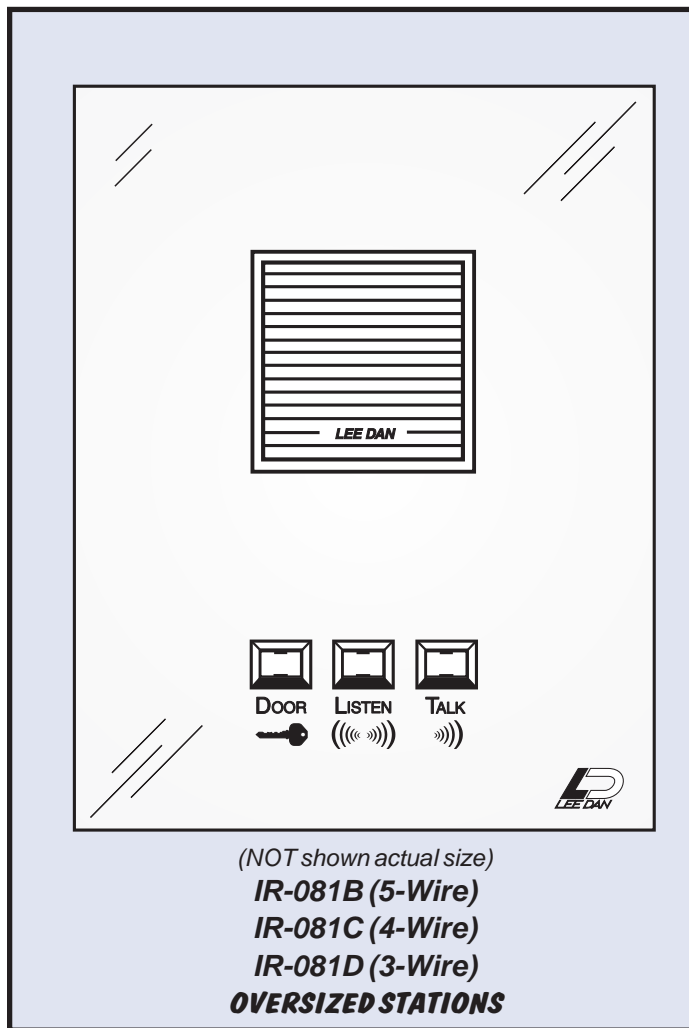
*Buttons:* Individually replaceable, self-wiping pushbuttons.

### WIRING

**IR-081B ..... 5 Wires.** Use 2 twisted pairs, plus  
1 selective #22 gauge.

**IR-081C ..... 4 Wires.** Use 1 twisted pair, plus  
1 conductor common, plus 1 selective #22.  
*(IR-081C is the most popular version)*

**IR-081D ..... 3 Wires.** Use 1 twisted pair, plus  
1 selective #22 gauge.



### ARCHITECTS' & ENGINEERS' SPECIFICATIONS

Suite stations shall be LEE DAN® model IR-081x (x=B, C, or D) or approved equal and shall be large enough to cover the area occupied by the previous intercom. Momentary action pushbuttons shall be provided for TALK, LISTEN, and DOOR operations. The speaker/microphone shall be a 3 1/2", 45 Ohm, 1 Watt, heavy duty magnet, high sensitivity type with voice-frequency response. Speaker and buttons shall be field serviceable. Glued-in-place components will not be acceptable.

**ARCHITECTS' & ENGINEERS'  
SPECIFICATIONS**

**Stations:** Suite stations shall be *LEE DAN*® model IR-081x (x=B, C, or D) or approved equal and shall be large enough to cover the area occupied by the previous intercom. Momentary action pushbuttons shall be provided for TALK, LISTEN, and DOOR operations. The speaker/microphone shall be a 3 1/2", 45 Ohm, 1 Watt, heavy duty magnet, high sensitivity type with voice-frequency response. Speaker and buttons shall be field serviceable. Glued-in-place components will not be acceptable.

**Amplifier:** Intercom amplifier shall be *LEE DAN*® model PK-543A, 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.

Lexan® is a registered trademark of General Electric.



**IR-081 Series White**  
Plastic Buttons

**IR-404SS 4-Wire St/Steel**  
Round Metal Buttons



**IR-414 4-Wire St/Steel**  
Plastic Buttons & Grille

**IR-404 4-Wire St/Steel**  
Black Metal Buttons



**APPLICATION**

**IR-081 is an economical series of oversized apartment intercom stations available in 3-wire (IR-081D), 4-wire (IR-081C) and 5-wire (IR-081B) versions.**

**White powdercoated steel plates with beveled edges provide sturdy construction with good looks.**

**See other same sized stations in stainless steel above. All are available with 3, 4 or 5-wire circuitry.**

**"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**

**PK-543A** 5-4-3 Wire Apt Intercom Amplifier  
1 Per Building

**PS-3A** UL listed pigtail transformer. 16VAC 10VA  
To Power PK-543A Amplifier

**PS-2A** UL listed plug-in transformer. 16VAC 20VA  
To Power PK-543A Amplifier

**DO-001** Mortise style electric door strike.  
Normally locked type.