

# NuTone

## INSTALLATION INSTRUCTIONS

# Rough-In Speaker Frame

### MODEL: IR-80

For use with NuTone 8" Inside Remote Intercom Speakers.

### LOCATION

1. Locate speaker frame at a convenient operating height — approximately 4-1/2 feet above the floor.
2. For mounting purposes, locate speaker next to a wall stud.
3. To avoid feedback, do not locate any speaker and/or Master Station housings back to back or in a common wall between rooms.

### MOUNTING

To accommodate the speaker panel, allow a minimum clearance — on all sides of rough-in frame — of two inches (2"). Wall depth required: 1-5/8".

The IR-80 must be mounted in vertical position, as shown in the illustrations.

### New Construction

1. Position frame against wall stud as shown in Figure 1.
2. Use nails or wood screws to secure frame to wall stud.  
See Figure 1.

**NOTE TO INSTALLER:** When drywall is installed, make sure location of frame is clearly marked.

### Existing Construction

#### Mounting Directly to Wall Stud

1. Locate frame right next to wall stud.
2. Make sure area behind wall where frame will be located is free of obstructions.
3. Use the frame as a template for marking the required cutout. Place the frame's plaster flange against the wall at the desired location. Mark a line around the **inside edge** of the frame. See Figure 2.
4. Make the cutout next to the wall stud. **Carefully cut along the inside of the marked line.**
5. Insert frame into cutout. Use nails or wood screws to secure frame to wall stud. See Figure 3.
6. Secure other side of frame to drywall by bending mounting tabs back. See Figures 3 and 4. Crimp tabs tightly with pliers.

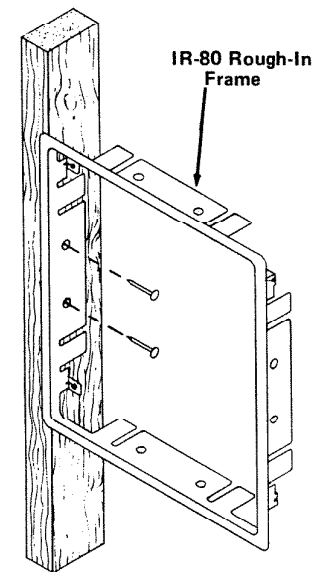


FIGURE 1

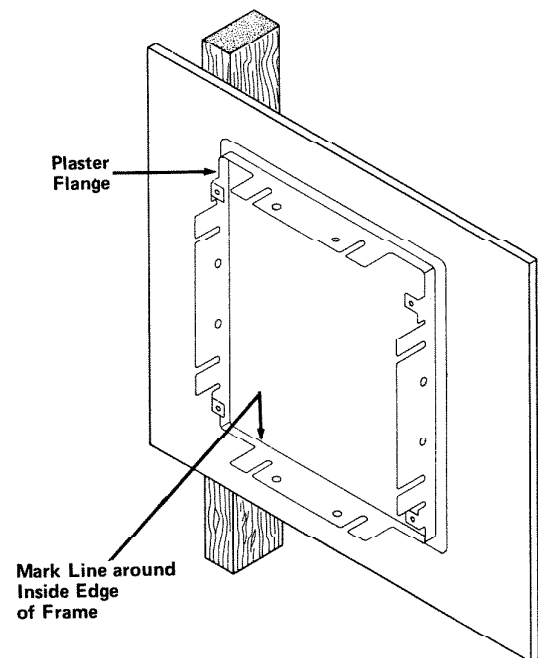


FIGURE 2

(PLEASE SEE OTHER SIDE)

## Mounting Between Wall Studs

1. Determine frame location between wall studs. Make sure area behind wall is free from obstructions.
2. Use the frame as a template for marking the required cutout. Place the frame's plaster flange against the wall at the required location. Mark a line around the **inside** edge of the frame.
3. Make the cutout. Carefully cut along the inside of the marked line.
4. Insert frame into cutout. Secure frame to wall by bending at least 4 of the mounting tabs back. See Figure 4. Crimp tabs tightly with pliers so that wall is sandwiched between frame's plaster flange and the mounting tabs. See Figure 4.

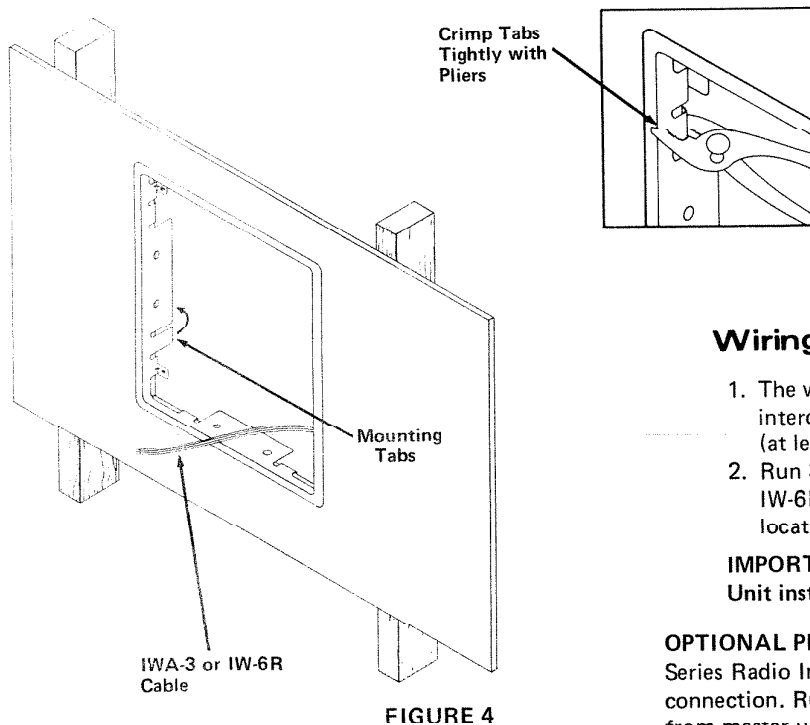


FIGURE 4

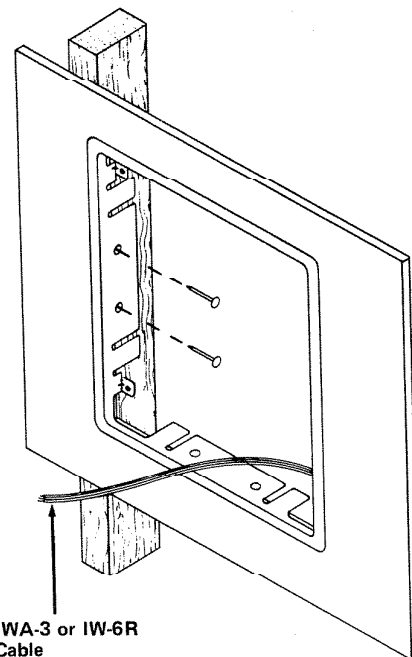


FIGURE 3

## Wiring

1. The wiring (and IR-80) should be installed when the intercom system is roughed-in. Leave sufficient wire (at least 1 foot) for connection to speaker.
2. Run 3-conductor wire (IWA-3, three-conductor or IW-6R six-conductor ribbon cable) from speaker location to master unit location.

**IMPORTANT:** Use only NuTone specified wire. See Master Unit installation instructions for complete system installation.

**OPTIONAL PHONE WIRING** – Speakers used with the IM-3003 Series Radio Intercom may be used for an optional phone connection. Run NuTone IW-2S (22 GA. shielded twisted pair) from master unit to each remote speaker location where the phone option may be required.

### LIMITED WARRANTY

NuTone, Hallmark, and Mercury by NuTone products are warranted to be free from defects in material and workmanship for the "Warranty Period" which is (a) five (5) years from date of original manufacture in the case of Motors employed in all NuTone Paddle Fans, and (b) five (5) years from date of original manufacture for NuTone Hairdryers, provided, however, this warranty as to Hairdryers shall only be effective provided that (1) NuTone installation instructions are followed exactly and (2) the Hairdryer is installed in a private home or residence for the exclusive use of one family (as opposed to installation in a commercial establishment, hotel, motel, dormitory, or other non-private homes or residence); and (c) twelve (12) months from date of original installation in the case of all other NuTone, Hallmark, and Mercury by NuTone products. Light bulbs, dial lights, recirculator resistors, batteries (with the exception of those specifically designated as rechargeable), the glass portion of any product, and other consumable items, are not warranted or guaranteed in any manner for any length of time.

Our warranty does not cover damage or failure caused by Acts of God, abuse, misuse, abnormal usage, faulty installation, improper maintenance or any repairs other than those provided by a NuTone Authorized Service Center. There are no obligations or liabilities on the part of NuTone Inc., its divisions or subsidiaries for consequential damages arising out of or in connection with the use or performance of the product or other indirect damages with respect to loss of property, revenue or profit, or costs of removal, installation or reinstallation. All implied warranties with respect to NuTone, Hallmark, and Mercury by NuTone products, including implied warranties for merchantability and implied warranties for fitness, are limited in duration to (a) five (5) years from date of original manufacture in the case of Motors employed in all NuTone Paddle Fans; and (b) five (5) years from date of original manufacture for NuTone Hairdryers, provided however this warranty as to Hairdryers shall only be effective provided that (1) NuTone installation instructions are followed exactly and (2) the Hairdryer is installed in a private home or residence for the exclusive use of one family (as opposed to installation in a commercial establishment, hotel, motel, dormitory, or other non-private homes or residence); and (c) twelve (12) months from date of original installation in the case of all other NuTone, Hallmark, and Mercury by NuTone products.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages and some states do not allow limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

During the "Warranty Period", NuTone will repair or replace, at NuTone's sole option, free of charge, any defective parts, provided, however, NuTone will not be responsible for and will not pay for any costs or expenses relative to removal or reinstallation of any product or any part of any product after the first twelve (12) months of the "Warranty Period" have expired. Please provide the model number of the product, original date of installation and nature of difficulty being experienced. There will be charges rendered for product repairs made after our "Warranty Period" (as defined above) has expired. This warranty gives you specific legal rights and you may have other rights which vary from state to state and province to province.

For NuTone Customer Service, residents of the contiguous United States should call, Toll Free, 1-800-543-8687 — in Ohio call 1-800-582-2030.

Residents of Alaska, Hawaii and other locations outside the contiguous United States should write to NuTone Inc., Madison and Red Bank Roads, Cincinnati, Ohio 45227 — Attention: Department of National Field Service.

Residents of Canada should write to NuTone Electrical Inc., 2 St. Lawrence Avenue, Toronto, Ontario, Canada M8Z 5T8. (Rev. 10/87)

Product specifications subject to change without notice.

# NuTone

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