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AT&T Door Phone Speaker Installation Manual

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Notice

Every effort was made to ensure that the information in this manual was complete and accurate at the time of printing. However, information is subject to change.

Compatibility

The AT&T Door Phone Speaker is recommended for use with the AT&T Door Phone Controller.

Warranty Information

AT&T provides a limited warranty to this product. Refer to "Warranty Information" in Appendix B.

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Overview

1

Your AT&T Door Phone Speaker

Your AT&T Door Phone Speaker operates within a weather resistant enclosure ideal for indoor as well as outdoor applications. Once installed, persons within your office or building can speak directly with outside visitors.

Features

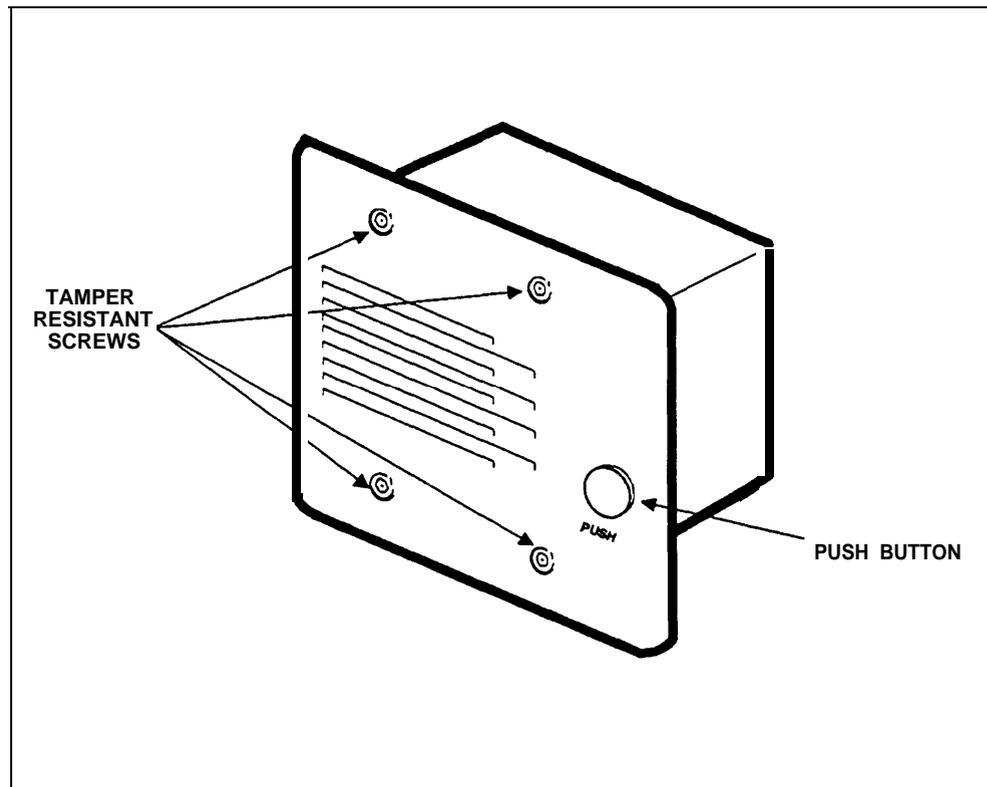


Figure 1-1. Front View of AT&T Door Phone Speaker

Your AT&T Door Phone Speaker has the following features:

- Push Button – to initiate signaling
- Stainless steel faceplate
- Weather resistant enclosure
- 45 Ohm voice coil speaker.

General Installation Procedure

2

Overview

Installation of double-gang electrical boxes, running of conduit, cutting through walls, etc., should be conducted by persons with appropriate technical skills; we highly recommended installation be provided by a licensed electrician. Install per National Electrical Code and any applicable local codes.

This section provides information for installing the AT&T Door Phone Speaker to a solid (surface mount) or non-solid (flush mount) surface.

What Does The AT&T Door Phone Speaker Include?

Your AT&T Door Phone Speaker shipping box contains:

- Door speaker unit
- Faceplate (steel)
- Weather proof double-gang outdoor electrical outlet box, and surface mounting hardware (screws and brackets)
- Gasket
- Tamper resistant (face plate) mounting screws
- Tamper resistant mounting screw tool
- This instruction booklet

Tools (not supplied)

The following tools are not supplied:

- Set of screwdrivers
- Wire stripper/cutter
- Conduit cutting/bending tools (exterior wall installations)
- Power drill and bits
- Saw (for cutting drywall and wood)

Equipment (not supplied)

The following equipment is not supplied:

- Steel double-gang indoor electrical outlet box (flush-mount installations)
- 24 gauge twisted pair telephone cable (shielded cable recommended)
- B-type wire connectors (for splicing wires)
- Wall mounting anchors

Before You Begin

When determining the best location for mounting the AT&T Door Phone Speaker unit outside your office or building, you should consider the following points first:

- The unit should be mounted close to the door where it can be located and accessed easily.
- Is the wall which has been selected for mounting the AT&T Door Phone Speaker unit solid (concrete, brick, stone, etc.)? If so, the Door Speaker unit is more easily surface mounted in the provided outdoor-type electrical box with conduit used outdoors to run the wires connected to the AT&T Door Phone Speaker unit (refer to Surface Mount Wall Installation in this section). If the wall is not solid, the AT&T Door Phone Speaker unit can be flush mounted in an indoor-type electrical box, with the wires running inside the wall (refer to Flush Mount Wall Installation).
- Will the location you have selected for installation, provide for the simplest routing of wires or conduit (if necessary)?

Mounting Considerations

The first step when installing the AT&T Door Phone Speaker is to determine where it will be mounted, and how the wires will be routed. See Figure 2-1 for an example of a small business configuration.

The AT&T Door Phone Speaker can be mounted to virtually any type of surface or wall. Those surfaces that are too hard or difficult to cut through require the unit to be surface mounted (device installed so it is completely external to the wall surface). Wall surfaces such as wood or drywall often are hollow and allow wiring to be run within the wall. Mounting the AT&T Door Phone Speaker unit to non-solid surfaces is often preferred because the unit can be flush mounted so only the face plate is exposed. Refer to Figures 2-2 and 2-3 for flush-mount and surface-mount double-gang outlet box installations.

Mounting Tips

There are two surface mount methods to secure the AT&T Door Phone Speaker gang box to a wall. The first method utilizes mounting brackets. The gang box mounting brackets (included) can be screwed to the gang box back plate so they protrude out the sides of the gang box. Using the appropriate screws (depending on the material the wall is made of), position the screws through the bracket holes and using a screwdriver secure the gang box to the wall surface (see Figure 2-2).

For some wall surfaces, such as drywall, plastic wall anchors may need to be driven into the wall surface to secure the mounting screws.

Another method to attach the gang box to the surface of a wall, which is more secure and provides an aesthetically pleasing look, is to drill mounting holes (4) directly into the back of the gang box. Using the appropriate screws (depending on the material the wall surface is made of) position the screws through the inside of the gang box and using a screwdriver secure the gang box to the wall (see Figure 2-2).

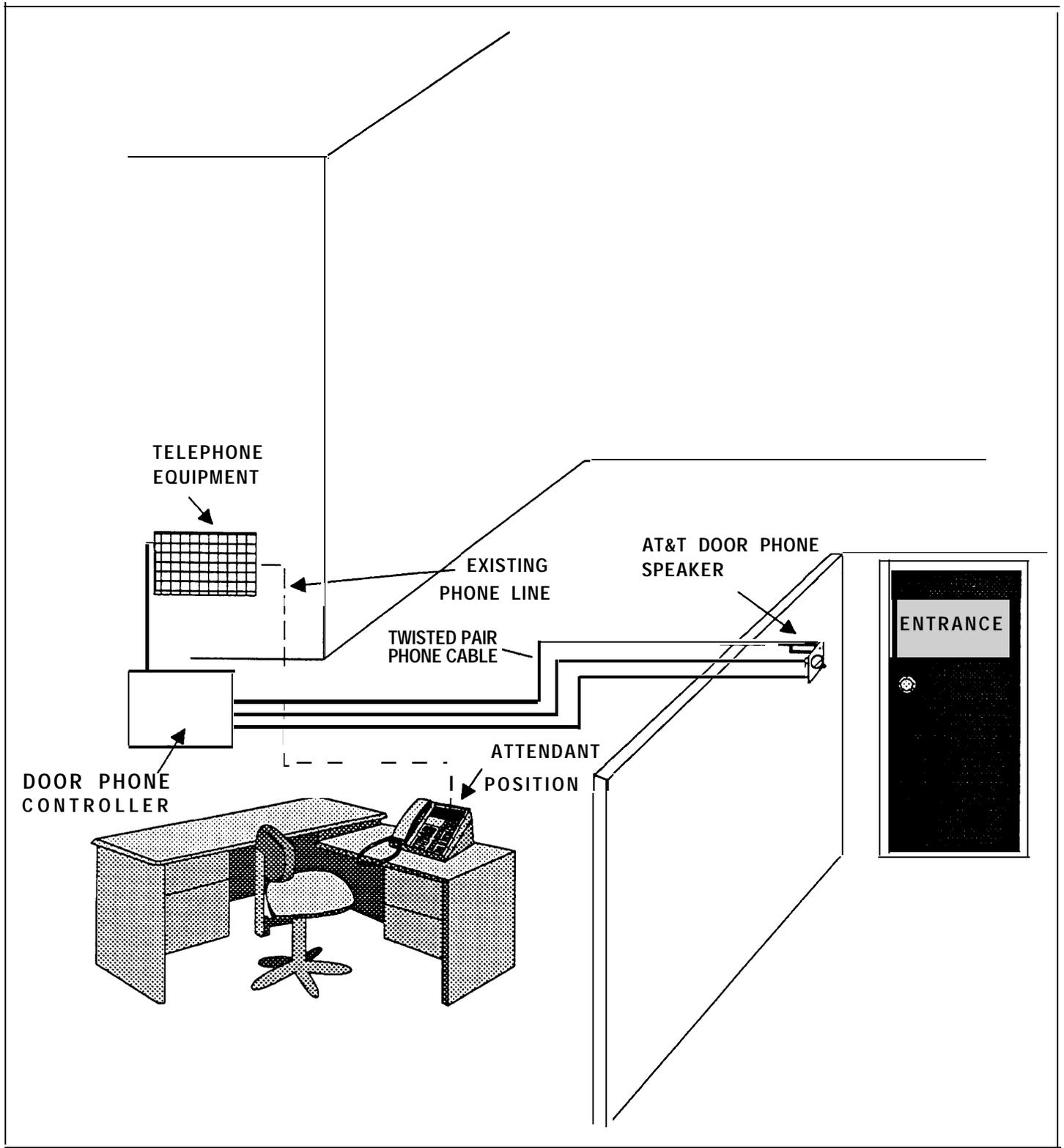


Figure 2-1. Typical Business Installation

NOTICE:

All conduit and closure plug connections should be adequately sealed (i.e. pipe joint compound) for wet location installations.

NOTICE:

Do not allow conduit to protrude into rear opening of outlet box to avoid interference with AT&T Door Phone Speaker.

NOTICE:

Wire length should be kept to 6 inches maximum to avoid interferences during installation.

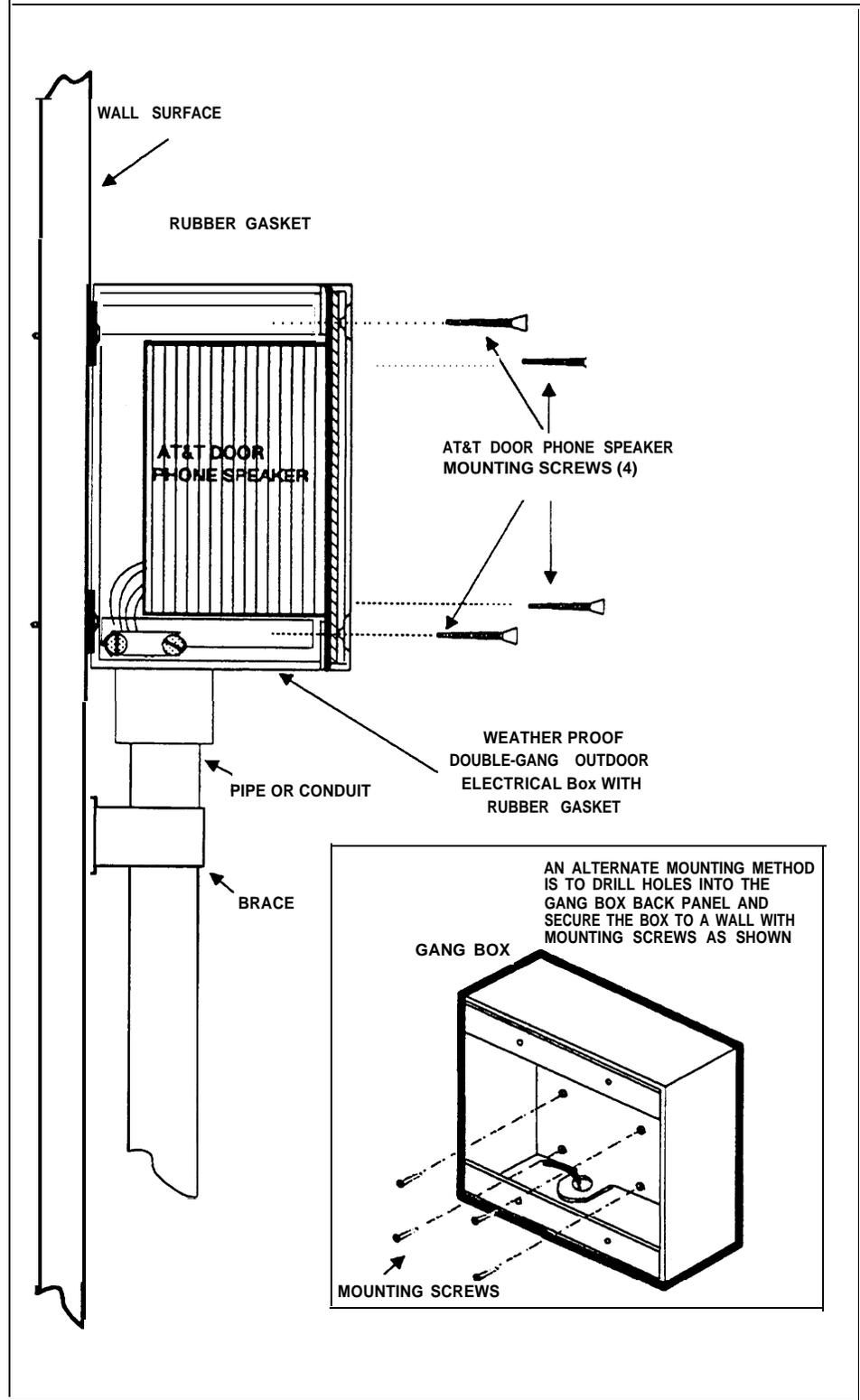


Figure 2-2. Surface Mount Installation

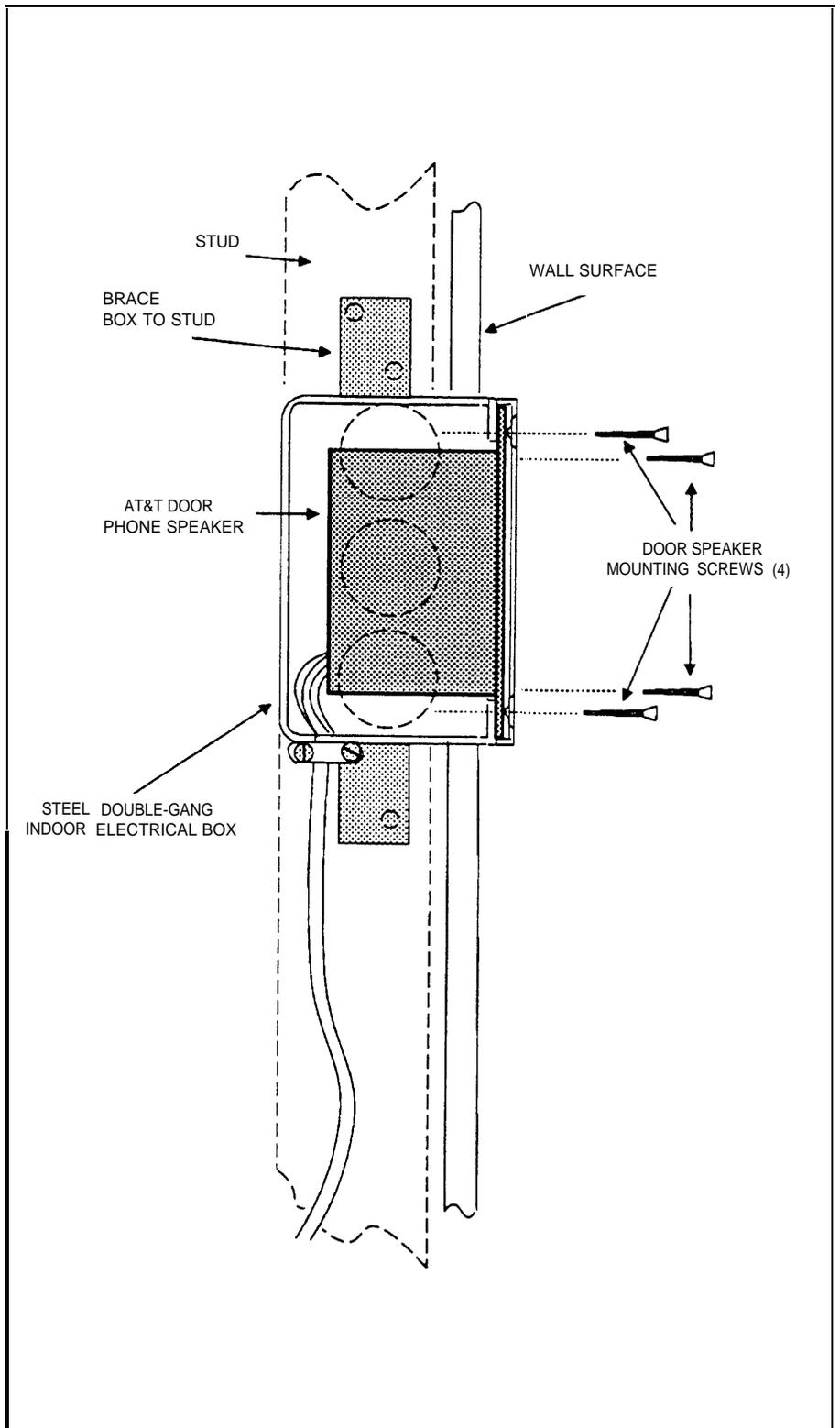


Figure 2-3. Flush Mount Installation

Connections to the AT&T Door Phone Speaker

The AT&T Door Phone Speaker back panel has two sets of terminals; one set is labeled SPKR the other labeled ALERT (refer to Figure 2-6). The two ALERT terminals are labeled 3 and 4, and are connected to the doorbell terminals of a door phone controller. The other two terminals (1 and 2) are labeled SPKR. The SPKR terminals connect to the output of the door phone controller and must use shielded twisted pair wire. See Figure 2-4 for wiring diagram. Follow the steps below:

Check National Electrical Code and applicable local codes and ordinances for exact wiring requirements for your area.

Keep track of which colored wire is connected to which device.

1. Run the twisted pair wires from the controller along with the push-button wires to the installed double-gang electrical box.
2. Route wires through conduit (if necessary) and feed into double-gang outlet box. See Figure 2-5.
3. Cut wires, leaving at least six (6) extra inches for connection to Door Speaker's terminal strip.
4. Strip approximately 1/2 inch off one end of each of the four wires.
5. Loosen each of the terminal block screws and insert exposed wire ends into appropriate terminal block locations. Tighten terminal block screws (see Figure 2-6). Ensure wire connections are correct before continuing.
6. Secure AT&T Door Phone Speaker and faceplate to double-gang outlet box with four mounting screws (included) as shown in Figure 2-7.

Check National Electrical Code and applicable local codes and ordinances for exact wiring requirements for your area.

Total length of wire is not to exceed 1500 feet.

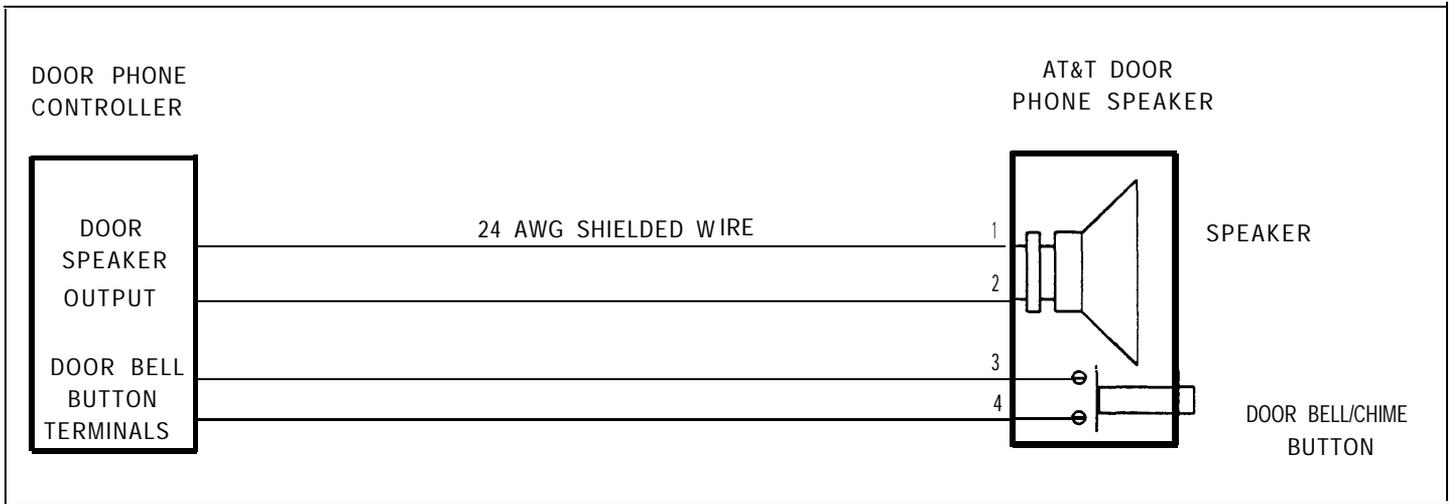


Figure 2-4. Wiring Diagram

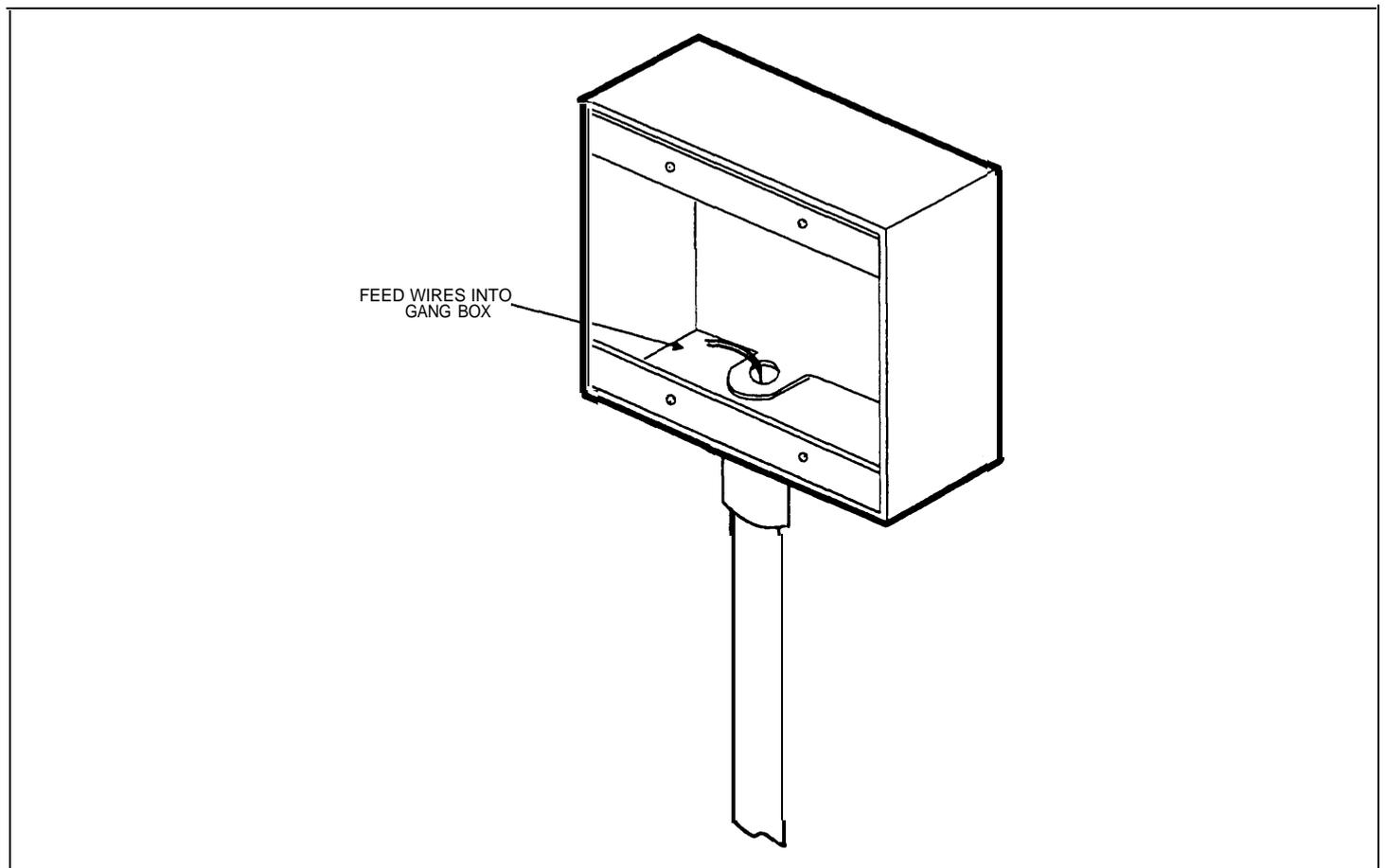


Figure 2-5. Feed Wires Into Gang Box

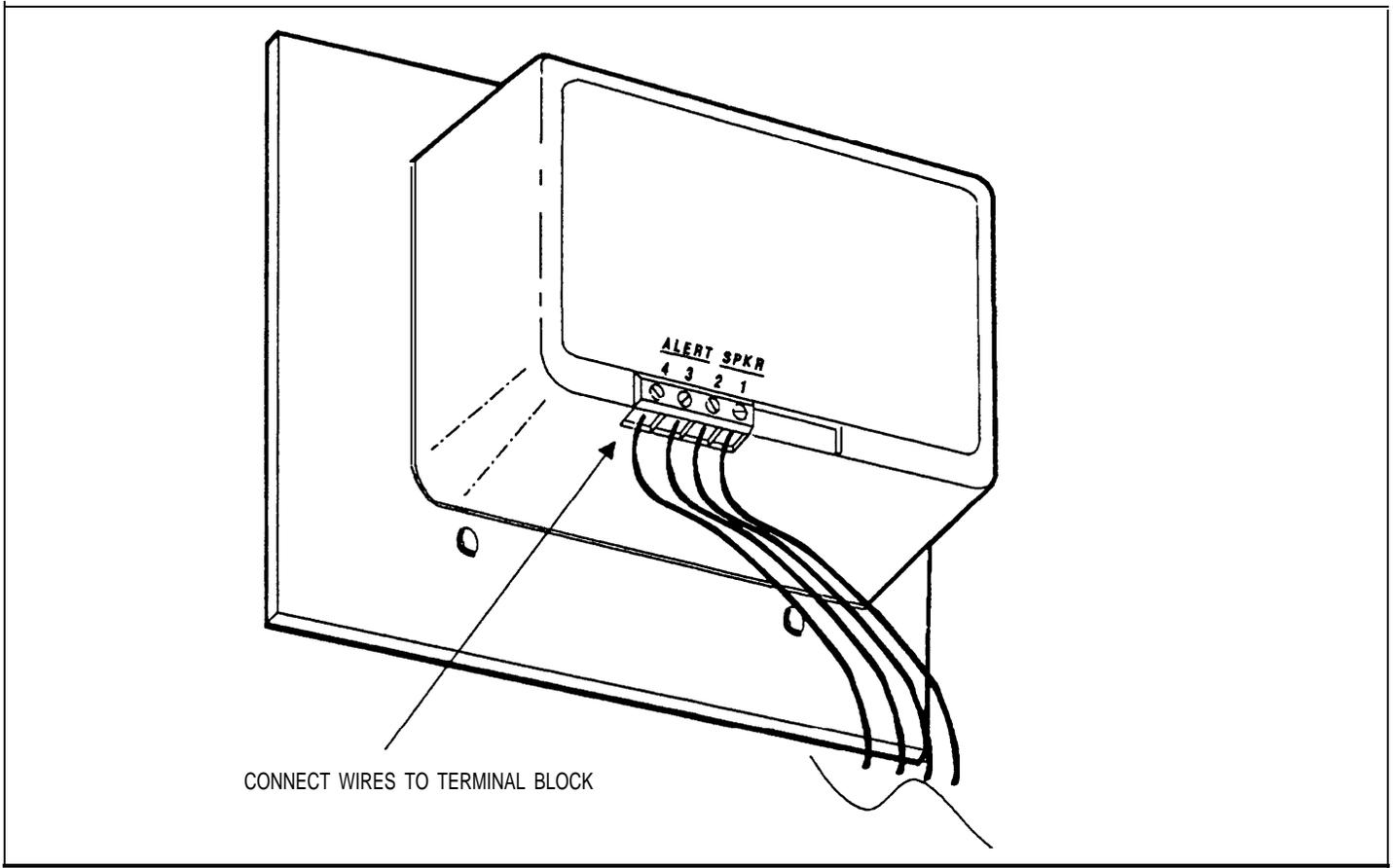


Figure 2-6. Connect Wires to AT&T Door Speaker Terminal Block

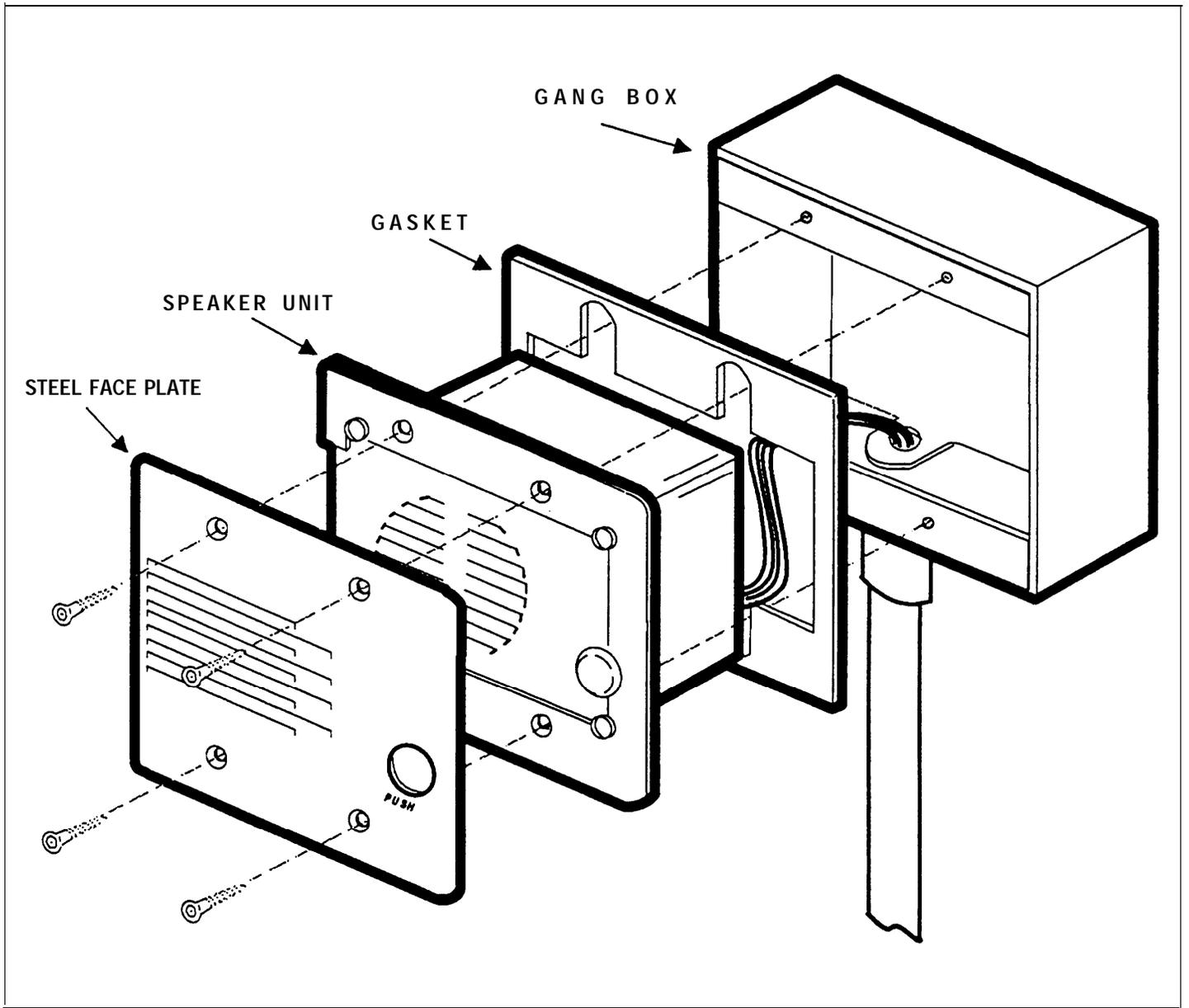


Figure 2-7. Attach AT&T Door Phone Speaker and Faceplate

Appendix A - Specifications

Speaker power handling: 1/2 Watt continuous, 1 Watt peak

Speaker impedance: 45 ohms, nominal

Push button contact rating: 200 mA, 120 VAC / 50VDC

Faceplate dimensions: 4 1/2" width x 4 1/2" height

Surface mount depth: 2 1/2"

Flush mounted depth: Fits any standard double gang electrical box of 2" or greater depth.

Appendix B—Warranty Information

Limited Warranty and Limitation of Liability

AT&T warrants to you that the product will be free from defects in material and workmanship when title passes to you. If you notify AT&T that the product has failed to operate as warranted within one year of the date title passes to you, AT&T will, at its option, repair or replace the component or components of the product that failed to operate as warranted. Any repair or replacement components may be new or refurbished and will be provided on an exchange basis. If AT&T determines that the product cannot be replaced, AT&T will refund the purchase price to you.

If you purchased the product directly from AT&T, AT&T will perform warranty repair on your premises in accordance with the terms and conditions of AT&T's "Business Day" or "Around-the-Clock" warranty plans. The details of AT&T's warranty plans may be obtained from AT&T. If you purchased the product from an authorized dealer, you will be covered by AT&T's authorized dealer warranty plan during the warranty period. Contact your authorized dealer for details of AT&T's authorized dealer warranty plan. **AT&T's obligation to repair, replace or refund as set forth above is your exclusive remedy.**

The limited warranties provided above do not cover damages, defects, malfunctions or product failures caused by:

- Failure to follow AT&T's installation, operation or maintenance instructions;
- Unauthorized modification or alteration of the product or its components;
- Product abuse, misuse or the negligent acts of persons not under the reasonable control of AT&T;
- Actions of third parties and acts of God other than power surges (e.g., lightning).

This limited warranty applies only to the product purchased directly from AT&T or purchased directly from an authorized AT&T dealer. This limited warranty does not apply to products purchased or operated outside the United States.

You may be required to provide AT&T with proof of purchase before AT&T will perform any warranty repair or provide any warranty replacements.

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