TekTone®
SOUND & SIGNAL

Communications
for today… and tomorrow

IL574
SECTION A
Rev. 15 - 09/2010

Tek-ENTRY® Telephone Entry System

No-Phone-Line Version

Operation, Installation and Service Manual

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Operation, Installation and Service Manual

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System Introduction

General Features

Tek-ENTRY® Telephone Entry Systems are designed for easy operation and accommodate 1–750 suites. The no-phone-line system has many sophisticated features built in, such as::

- No monthly rental bill for telephone line.
- Call waiting with distinctive double tone.
- Distinctive double ring differentiates visitor calls from incoming calls.
- All programming is done via the system keypad.
- EEPROM Memory retains programmed information during total power failure.
- Two programmable relay outputs control door strikes, gates, cameras, etc.
- System operates with both touchtone and rotary pulse phones.
- Door open tone for both tenant and visitor.
- Warning tone to alert tenant that call will end in 10 seconds.
- Automatic call termination after 8 seconds of dial tone detection.
- Variable tenant code length: 1, 2, 3 or 4 digits.
- Night service feature transfers calls to the guard or manager telephone.
- One keyless entry code per tenant, plus five for use by building management.
- Built-in multiple entrance capability (maximum 20).
- Tenant codes can be actual suite numbers or coded for security purposes.
- Dial up to five off-premises telephones (when connected to a telephone line).

Special Features

Postal Service Lock

Provision for the installation of a postal service lock is available on the rear of the system enclosure's control panel.

Door Timer Cut-Off (Tailgate Prevention)

This feature requires the installation of a "Normally Open" switch contact that closes when the entry door has been opened. A magnetic contact, as used in security systems, is acceptable for this application, provided that it is a "Normally Open" type. (Most security door contacts are of the "Normally Closed" type.) When the electric door strike is released, the door remains open for the period of time that has been programmed. When the door timer cut-off feature is used, the door strike de-energizes as soon as the system senses that the entry door has been opened. This causes the door to lock when it closes, regardless of the programmed time. The door strike is therefore energized only as long as necessary, to prevent unauthorized entry of individuals who follow behind the visitor (tailgating).

Fire Alarm (Emergency) Input

Connecting a "Normally Open" alarm contact from the building fire alarm system causes the electric door strike to pulse on and off in the event of a fire (emergency) situation. This effectively leaves the entry door unlocked for the duration of the emergency.

Multiple Entrances

Accommodating multiple entry doors is a built-in feature of the Tek-ENTRY® Telephone Entry Systems. Up to 20 entry systems can be interconnected without additional switching equipment. One additional pair of wires, parallel connected to terminals "ME" and "G" of all entry systems, is required. When one entry panel is in use, the other panels are temporarily disabled and display a "SYSTEM IN USE" message. (**NOTE:** Each entry panel must be independently powered and programmed.)

Night Service

This feature redirects all entry system calls to a pre-designated telephone line (guard phone). When this feature is enabled (by entering "*456"), the entry system displays the "Night Service On" message. To return to normal operation, re-enter "*456". (The pre-designated telephone line must be connected to relay #0000 located on relay board #1.)

Wiegand Data Output

This feature connects Tek-Entry® to a card access system with a Wiegand 26-bit input. When a tenant approves a visitor, the tenant's code is sent to the card access system, causing the door to open.

Guard Telephone

The guard telephone must be a standard touchtone (DTMF) phone, and is connected directly to the PM900 Control Unit via two conductors. To communicate with a tenant, the guard must wait for a dial tone and then enter the tenant's 4-digit relay number. (The guard will not receive a dial tone while the lobby panel is in use.) To dial an off-site telephone, dial "9," wait for a dial tone, and then dial the desired telephone number. Conversation time is limited to 100 seconds.

NOTE: Dialing an off-site telephone uses requires a telephone line to be connected directly to the PM900 Control Unit. Because it is used infrequently and only for short periods of time, this does not need to be a dedicated telephone line—it can be shared with an office phone, for example. The same line is also used to dial up to five off-premises phone numbers from the entry panel, if programmed.

Call Waiting

If a tenant is on the telephone when called from the lobby panel or guard telephone, they will hear a double tone to announce the visitor. Depress the hook switch to place the outside call on hold and speak with the visitor. Depress the hook switch again to switch back to the outside call.

System Installation and Programming

Installation Tips

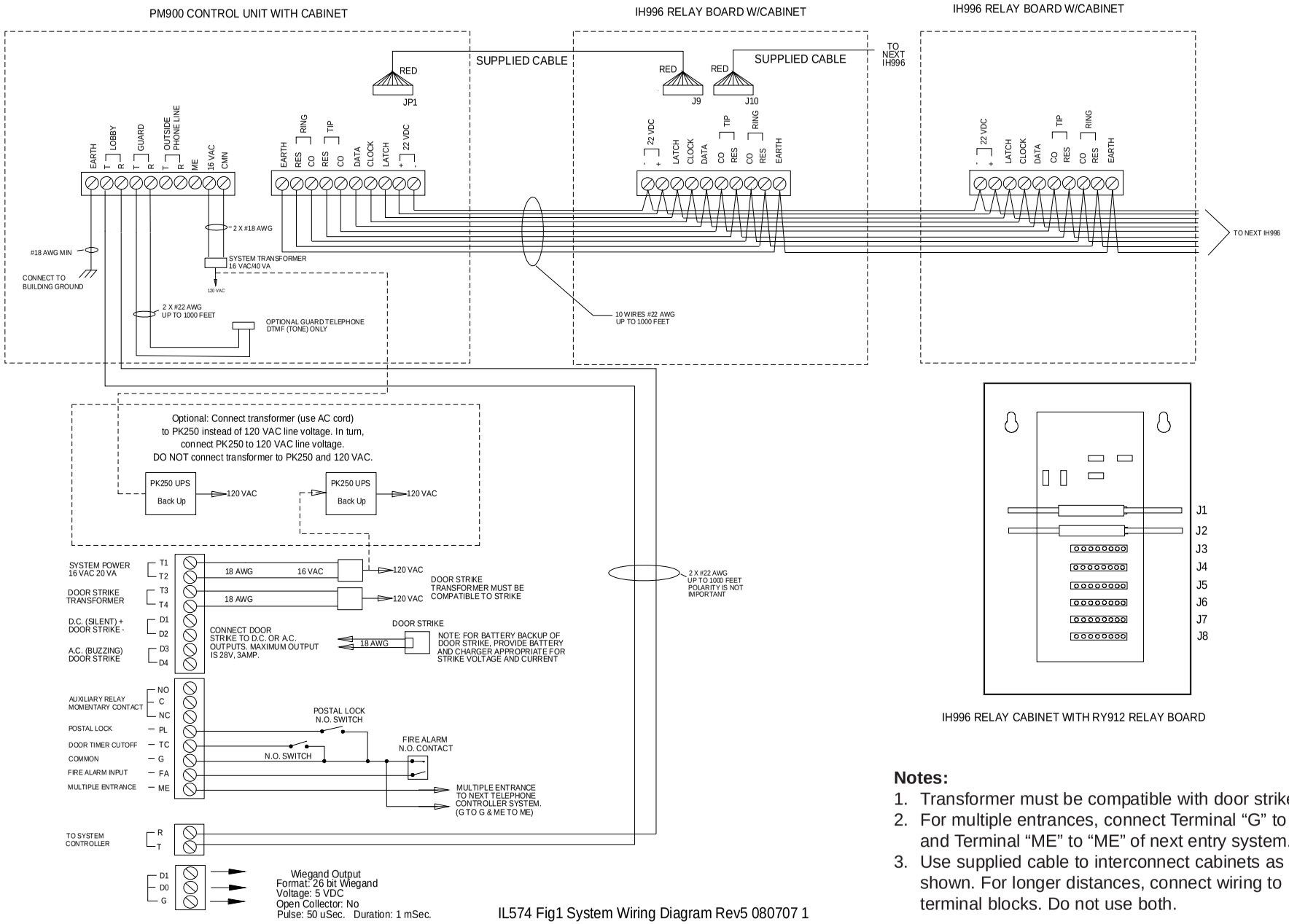
1. Make arrangements with the telephone company to install CA71A or equivalent telephone blocks (one block for every 12 tenant phone lines).
2. Three 16 volt/40 VA UL® Listed and CSA approved Class 2 power transformers are required—one for the lobby equipment, one for the electrical room equipment, and one for the door strike.
3. An additional transformer is required for door strike activation. This transformer should have the necessary voltage and current rating for the door strike that is to be used (max. 28 volts, 3 amps).
4. Transformers and remote devices such as the door strike, fire alarm and door contacts must be wired to the system controller located in the enclosure housing. A wiring channel at the rear of the system enclosure must be provided for these devices. Follow local building code requirements for low voltage wiring.
5. If a postal service lock is to be installed, make arrangements with the local post office to supply the lock.
6. In multiple entrance applications, two additional wires are required from each entry system to interconnect the system controllers (see *Figure 1—System Wiring Diagram*).
7. Do not mount the entry panel in an area where it may be exposed to near-horizontal water or moisture sources, for example driving rain or water spray.

Lobby Equipment Installation

Refer to *Figure 1—System Wiring Diagram* for terminal locations. Also refer to *Figure 2—Hands-Free Panel Wiring Diagram* and *Figure 3—Handset Panel Wiring Diagram*.

1. Mount the system enclosure to the wall in the location closest to the building's controlled entry point. (Refer to *Figure 5—Frame and Housing Installation*.)
2. Connect the door strike wires to terminals "D1" and "D2" if DC (silent) operation is desired, or to terminals "D3" and "D4" for AC (buzzing) operation. The maximum switched door strike load is 28 volts at 3 amps.
3. An auxiliary switched device (such as parking gate) may be controlled through the auxiliary relay contact that is available by connecting to terminals "NC" (normally closed), "C" (common), and "NO" (normally open). The maximum switched auxiliary load is 28 volts at 3 amps. This contact will change to the energized state for one second when the tenant dials "6" from their DTMF (touchtone) telephone.
4. Terminal "PL" is for the postal service lock. Closing of a normally open switch between terminals "PL" and "G" is required for activation. The system is pre-wired for this service, but requires a lock to be installed on the rear of the system control panel (optional on TE905ANP). Remove the panel plug button for the postman's key and wire to the terminals. Mount the lock with the supplied hardware. Adjust the switch actuator for proper operation with the lock.
5. Terminal "TC" is for connection of a door timer cut-off contact. A normally open contact that closes when the door has been opened will cut-off the door timer and instantly re-lock the door. This is used to prevent tailgating of unwanted visitors through the entry doors. Connect between terminals "TC" and "G."
6. Terminal "FA" is for connection to the building fire alarm system. A normally open alarm contact that closes during an alarm condition can be connected between

Figure 1—System Wiring Diagram



IH996 RELAY CABINET WITH RY912 RELAY BOARD

IL574 Fig1 System Wiring Diagram Rev5 080707 1

Notes:

1. Transformer must be compatible with door strike.
2. For multiple entrances, connect Terminal “G” to “G” and Terminal “ME” to “ME” of next entry system.
3. Use supplied cable to interconnect cabinets as shown. For longer distances, connect wiring to terminal blocks. Do not use both.

terminals "FA" and "G" to pulse open the entry door during a fire or other emergency.

7. Terminal "ME" is the interconnect point for multiple entrance systems. Interconnect terminals "ME" and "G" of all entry systems. Each location must also be wired with its own transformer, door strike, switch contacts, etc., as shown on *Figure 1—System Wiring Diagram*. Each location must be programmed separately.
8. At this point, double-check all wiring for shorts and opens.
9. Connect door strike transformer to terminals "T3" and "T4." The maximum door strike load that may switch through the controller is 28 volts at 3 amps.
10. Connect 16 VAC from system transformer to terminals "T1" and "T2" on the system controller terminal block. (This transformer must not be used to power any other devices, such as the door strike.) The display will illuminate and the message "WELCOME…DIAL CODE NUMBER" will appear.
11. Connect terminals "R" and "T" from the lobby unit to terminals "R" and "T" on the electrical room equipment (polarity is not important).

Electrical Room Equipment Installation

1. Mount the PM900 Control Unit and the IH996 Relay Cabinet near the RJ71/CA71 phone blocks.
2. Wire connections between the cabinets can be eliminated by mounting the cabinets next to each other and using the supplied 10-conductor cable to interconnect the main controller to the relay cabinets.
3. Connect one end of the cable to JP1 on the PM900 (red wire to right side) and the other end to J9 on the IH996 (red wire to left side).
4. If additional IH996 Relay Cabinets are used (up to 8 total), connect a cable from J10 of the first relay cabinet to J9 of the next relay cabinet (red wire to left side on both). Set the relay cabinet select jumper, located in the top right corner of the IH996 Relay Cabinet, to the proper setting. (Example: On IH996 relay cabinet #1, set the jumper to location #1.)
5. Plug RY912 Relay Boards into slots J1–J8 of the IH996 Relay Cabinet, component side down with the red LED to the left. Install relay boards in sequence (top to bottom); do not skip a slot. If using more than one relay cabinet, fill relay cabinets (#1 through #8) in sequence.
6. Make the wiring connections as shown in *Figure 1—System Wiring Diagram*. Plug one CT912 Connector onto each RY912 Relay Card, and connect the other end to the RJ71/CA71 phone blocks. **NOTE:** Power up the system last.
7. Test the control equipment separately before connecting it to the lobby equipment. To test communications with the tenant, connect a standard touchtone phone to the lobby or guard terminals. Dial the 4-digit dial code. The corresponding LED on the relay card will illuminate and communications will be established.

System Programming and Settings

All programming of the entry system is accomplished through the use of the system keypad and the display located on the control panel. Use the supplied *Tek-ENTRY® Directory Worksheets* to generate a record of the building occupants, their suite numbers, telephone numbers, assigned dial codes, and keyless entry codes. These sheets will be required for programming, as well as when changes are to be made.

Figure 2—Hands-Free Panel Wiring Diagram

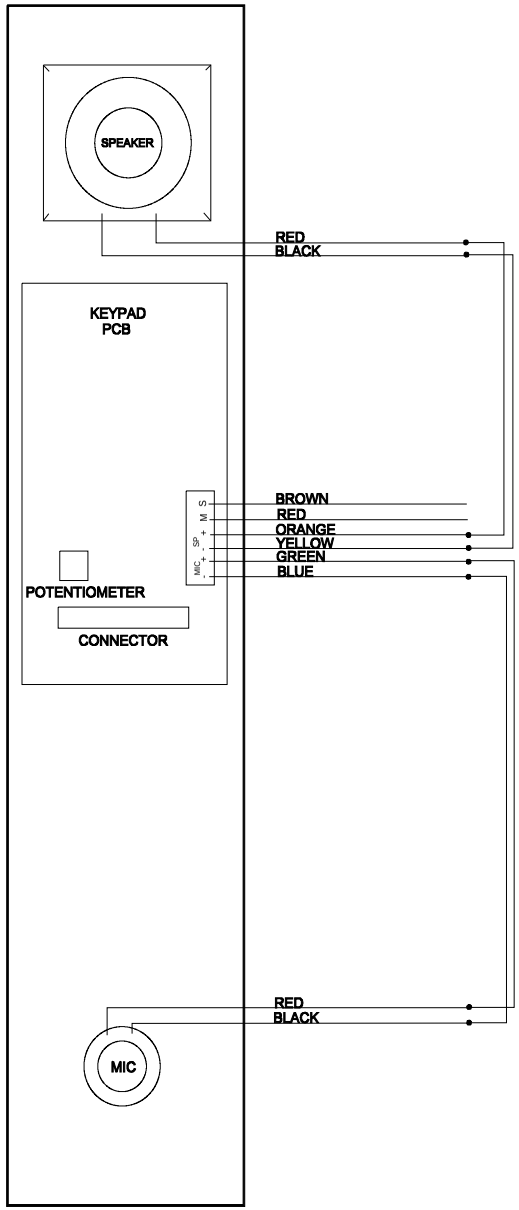
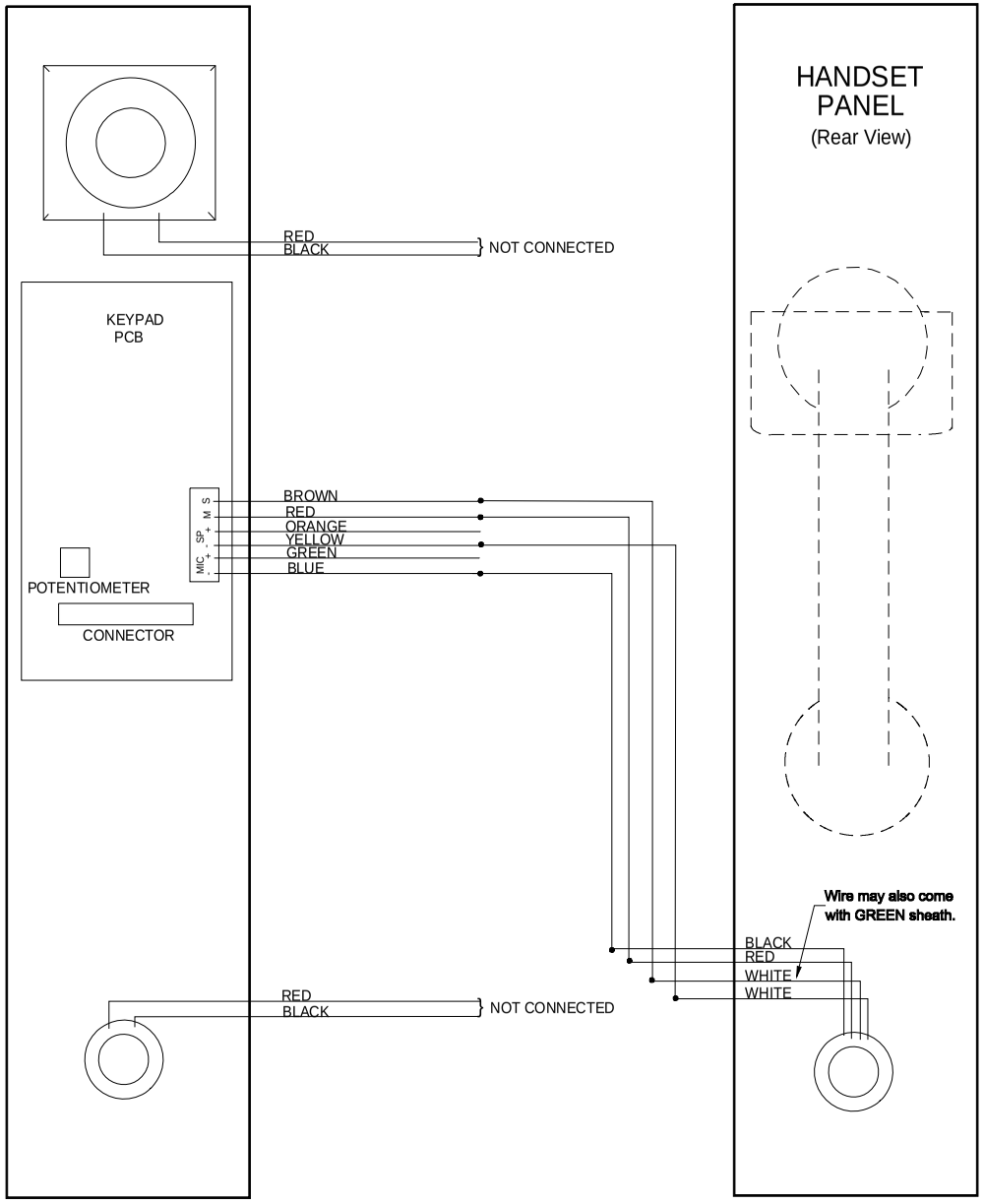


Figure 3—Handset Panel Wiring Diagram



Complete the *Tek-ENTRY® Programming Worksheet***,** and ensure that it, the *Tek-ENTRY® Directory Worksheets* and the *User Operating Instructions* are given to building management when installation and programming are complete.

Program Mode—Begin/End

Enter "*" and the three-digit master code (default is *123) to begin a programming session. Use the "1" key on the keypad to scroll up the programming menu and the "3" key to scroll down. When the desired function is displayed on the screen, press the "#" key to select it. Follow the displayed instructions to make the necessary changes. When programming is complete, end program mode by pressing the "*" key twice.

To Program Codes (Tenant Dial Codes)—Manual Method

Tenant dial codes are used at the entrance panel to call a tenant, and are usually listed on a tenants directory. Suite numbers may be used as tenant dial codes, if desired. To manually program the tenant dial codes that correspond to the tenant line relays:

1. When the programming menu displays "VIEW/ENTER CODES," press the "#" key. The message "RELAY TO REVIEW" will appear.
2. Enter "0000" to begin with the first relay. The message "RELAY 0000" will appear, along with its corresponding tenant dial code.
3. To view all keyless entry codes, use the "1" key to scroll up, and the "3" key to scroll down.
4. To program the displayed relay, press the "#" key and then the new 4-digit tenant dial code. Press the "#" key to save. Continue in this fashion until tenant dial codes have been entered for all relays. If a tenant dial code is fewer than 4 digits in length, enter zeros as leading digits. The leading zeros are not needed during actual use, but are required during programming. If an error is made when entering a tenant dial code, press the "*" key to backspace.
5. Press the "*" key to return to the programming menu.
6. If desired, press the "*" key to end program mode.

To Program Codes (Tenant Dial Codes)—Automatic Method

Tenant dial codes are used at the entrance panel to call a tenant, and are usually listed on a tenants directory. Automatic programming assigns tenant dial code 0000 to relay #0, tenant dial code 0001 to relay #1, etc. To automatically program the tenant dial codes to correspond to the tenant line relays:

1. When the programming menu displays "AUTO PROGRAM, PRESS #," press the "#" key. The message "ARE YOU SURE?" will appear.
2. Press the "#" key. The message "PROGRAMMING PLEASE WAIT" will appear. The system automatically programs tenant dial codes in sequence from 0000 to 0999 (a total of 1000 codes). Automatic programming takes approximately 20 seconds.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Program Keyless Entry Codes

Keyless entry codes allow tenants to enter through the controlled doors using a four-digit code from the system keypad, rather than a key. During actual use, this code must be preceded by the "#" key so that the code is not visible on the display. For security, assign each tenant a unique keyless entry code, and do not duplicate any suite numbers or tenant dial codes.

1. When the programming menu displays "PROGRAM KEYLESS CODES," press the "#" key. The message "KEYLESS ENTRY CODE #____" will appear.
2. Enter a four-digit code and press the "#" key to save. Continue entering keyless entry codes until all are entered.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

View Keyless Entry Codes

This section allows the review and/or deletion of keyless entry codes.

1. When the programming menu displays "VIEW KEYLESS CODES," press the "#" key. The message "CODE TO REVIEW _____" will appear.
2. Enter the four-digit keyless entry code to be reviewed. The keyless entry code will be displayed.
3. To delete the displayed keyless entry code, press the "#" key.
4. To view all keyless entry codes, use the "1" key to scroll up, and the "3" key to scroll down.
5. Press the "*" key to return to the programming menu.
6. If desired, press the "*" key to end program mode.

New Master Code

The master code is used to access the program mode. When the entry system is shipped from the factory, its master code is set to "*123." It is advisable to change the master code and record the new code in the appropriate place on the *Tek-ENTRY® Programming Worksheet*. The master code is used by the installation company or by authorized personnel, only when programming is necessary. To change the master code:

1. When the programming menu displays "NEW MASTER CODE," press the "#" key. The message "MASTER CODE *123" will appear.
2. Enter a new three-digit master code and press the "#" key to save.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Door Open Time

The door open time can be reprogrammed to 0-99 seconds to prevent tailgating. Factory default is 10 seconds. See *Door Timer Cut-Off* in the *System Introduction—Special Features* section for more information.

1. When the programming menu displays "DOOR TIME," press the "#" key. The message "DOOR OPEN TIME" will appear.
2. Enter a two-digit time in seconds and press the "#" key to save.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Talk Time

Talk time can be reprogrammed to 0-99 seconds to set the maximum conversation length between a visitor and tenant. (Note: Talk time starts when visitor dials tenant.) Factory default is 60 seconds.

1. When the programming menu displays "TALK TIME," press the "#" key. The message "ON LINE TIME" will appear.
2. Enter a two-digit time in seconds and press the "#" key to save.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Pulse or Tone Dialing

This section determines whether pulse or tone (DTMF) dialing is used to call off-premises telephones. Factory default is tone dialing. If the outside telephone line is pulse (rotary), change this setting:

1. When the programming menu displays "PULSE OR TONE," press the "#" key.
2. Enter "00" for pulse (rotary) dialing; or enter "11" for tone (DTMF) dialing. Press the "#" key to save.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Off-Premises Dialing

Up to five off-premises telephone numbers can be assigned dial codes, if a telephone line is connected to the PM900 Control Unit. The telephone numbers are programmed in 11-digit format—enter asterisks "*" for unused leading digits, as follows:

* (***) 555-5555	for 7-digit local calls
* (555) 555-5555	for 10-digit local calls
1 (555) 555-5555	for local or long distance calls

1. When the programming menu displays "OUTSIDE PHONE #1" (#2, #3, #4 or #5) press the "#" key.
2. Enter a 4-digit dial code, and then the off-premises telephone number. Press the "#" key to save. **NOTE:** Off-premises dial codes cannot duplicate tenant dial codes.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Erase/Reset to Factory Default

This function erases all programming, including Tenant Dial Codes and Keyless Entry Codes, and returns the system to factory defaults.

1. When the programming menu displays "ERASE/RESET TO FACTORY DEFAULT," press the "#" key. The message "ARE YOU SURE? *=NO #=YES" will appear.
2. Enter "*" to retain system programming; or enter "#" to erase all programming and return to factory defaults.
3. Press the "*" key to return to the programming menu.
4. If desired, press the "*" key to end program mode.

Adjustments

Volume Control

The communication volume levels are factory preset for normal operations. The levels can be increased or decreased by adjusting the potentiometers located along the bottom of the system controller, behind the front display plate. Audio level from the entry system to the suite is controlled by the **MICROPHONE VOLUME** control. Audio level from the suite to the entry system is controlled by the **SPEAKER VOLUME** control.

Rotary Phone Pulse Sensitivity

Telephone companies do not specify or guarantee the waveshape of the signal transmitted when the tenant dials the digit "9" from a rotary (pulse) telephone. In order to achieve best results, Tek-ENTRY® Telephone Entry Systems are furnished with a sensitivity adjustment potentiometer, as well as an indicator lamp to view the incoming rotary signal (pulses). This potentiometer is labeled **PULSE SENSITIVITY** on the system controller. The pulse sensitivity is factory preset so that a wide range of incoming rotary signals will properly trigger the door circuit, and so will usually not require adjustment. If adjustment is necessary because the door strike cannot be properly triggered, use this procedure.

1. Set the **PULSE SENSITIVITY** control to the middle position.
2. From the entry system, call the suite telephone that is not triggering the door circuit.
3. Observe the **PULSE INDICATOR** while the digit "9" is being dialed from the suite telephone. The indicator should flash distinctly every time a pulse is heard.
4. If the indicator barely comes on, the sensitivity is set too low. Increase the sensitivity by turning the shaft of the potentiometer clockwise 1/8th of a turn at a time until the indicator shows distinct flashing.
5. If the indicator is on steadily, the sensitivity is set too high and the door circuit may false trigger. Turn the shaft of the potentiometer counter-clockwise to decrease the sensitivity. The sensitivity may also require reduction if the phone line is particularly loud or noisy. **NOTE:** Sensitivity adjustments are not required when using DTMF (touchtone) suite telephones.

Notice to U.S. Installers and Users

Incidence of Harm

Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practical, notify the customer that temporary discontinuance of service may be required; however, where prior notices are not practical, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer, who will be given the right to bring a complaint to the FCC if he feels the disconnection is not warranted.

Changes in the Telephone Company Equipment or Facilities

The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such action is reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities, the customer shall be given adequate notice to make modifications to maintain uninterrupted service.

General

The FCC prohibits customer-provided terminal equipment to be connected to party lines or to be used in conjunction with coin telephone service. The Tek-ENTRY® Telephone Entry System is equipped with a USOC RJ11C standard miniature modular jack that is designed to plug directly into a modular jack.

Notification to the Telephone Company

Notification to the telephone company is no longer required prior to connecting the registered equipment; but upon request from the telephone company, the user shall tell the telephone company which line the equipment is connected to, as well as the registration number and ringer equivalence of the registered protective circuitry. In most, but not all areas, the sum of all REN's should be 5.0 or less.

Malfunction of the Equipment

In the event that the Tek-ENTRY® Telephone Entry System should fail to operate properly, the customer shall disconnect the equipment from the telephone line to determine if it is the customer's equipment that is not working properly. If the problem is with the system equipment, the user shall discontinue use until it is repaired. In the event service is needed, the user should contact the local TekTone® representative.

Telephone Connections Requirement

Except for telephone company provided ringers, all connections to the telephone network shall be made through standard plugs and standard telephone company provided jacks, or equivalent, in such manner as to allow for easy and immediate disconnection of the terminal equipment. Standard jacks shall be arranged so that if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer's premises—which remains connected to the telephone network—shall occur by reason of such removal.

FCC Notice

This equipment generates and uses radio frequency energy and if not installed and used in strict accordance with the instructions listed in this *Operation, Installation and Service Manual*, interference to radio and television reception may occur.

It has been tested and found to comply with the limits for a "Class B Computing Device," in accordance with the specifications in "Subpart B of Part 15" of the FCC rules. These rules are designed to provide reasonable protection against such interference in a residential installation. If this equipment does cause interference to radio or television reception—

which can be determined by turning off the equipment to see if the interference stops—the user is encouraged to try and correct the interference by one or more of the following measures:

1. Reorient the receiving antenna.
2. Relocate the Tek-ENTRY® Telephone Entry System with respect to the radio or television.
3. Plug the Tek-ENTRY® Telephone Entry System into a different outlet, so that the system and the radio or television are on different circuits.

NOTE: The manufacturer is not responsible for any radio or television interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Notice to Canadian Installers and Users

Notice

The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized facility designated by the supplier. Any repairs or alterations made by the user of this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment. In the event service is needed, the user should contact:

TekTone® Sound & Signal Mfg., Inc.
277 Industrial Park Road
Franklin, NC 28734
USA
(828) 524-9967

Caution

Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Users should not attempt to make such connections themselves, but should contact an appropriate electric inspection authority or electrician.

Load Number

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop, which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices, subject only to the requirements that the sum of the Load Numbers of all of the devices does not exceed 100.

Figure 4—PM900 Control Unit Mounting Template

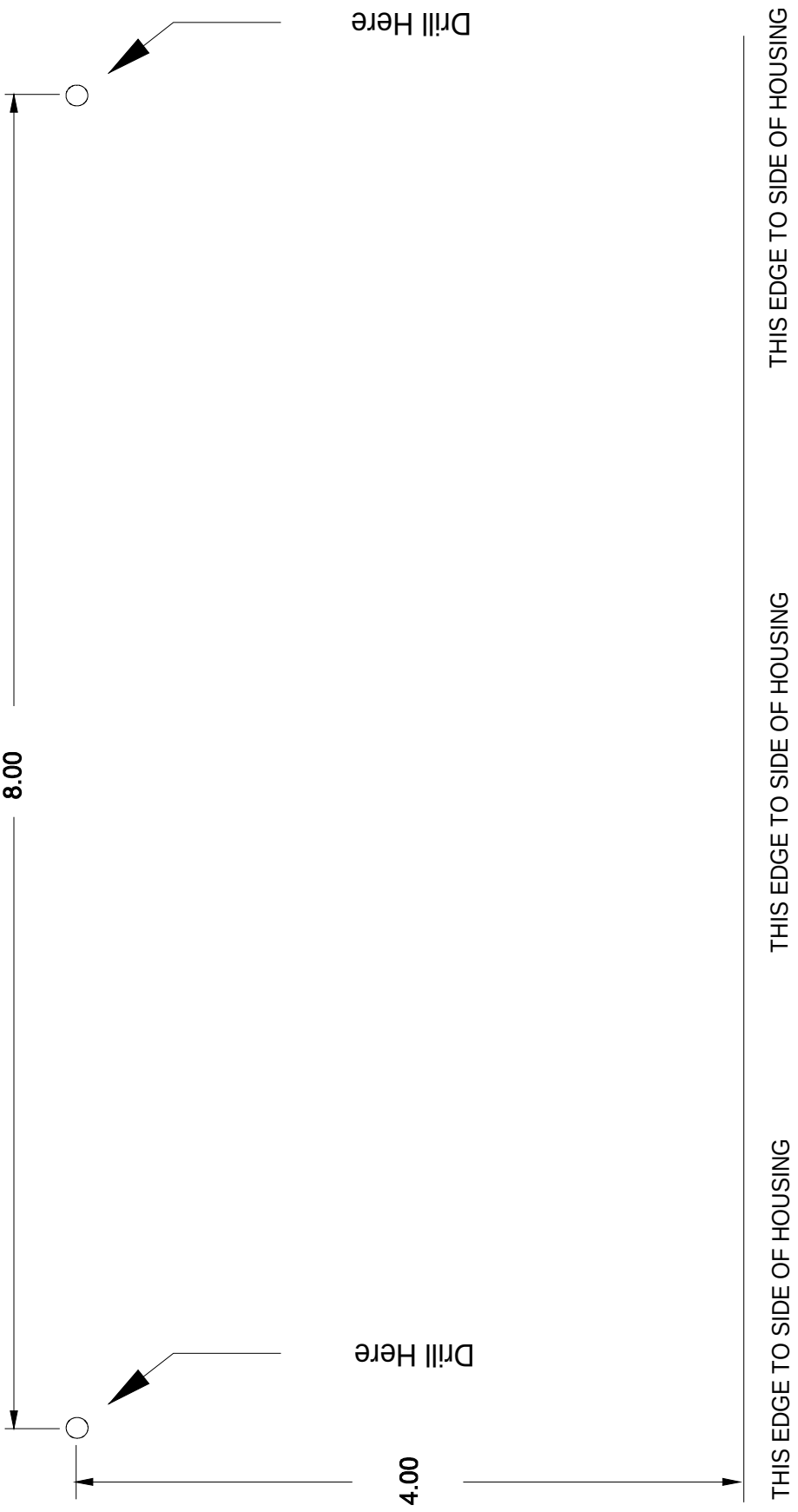
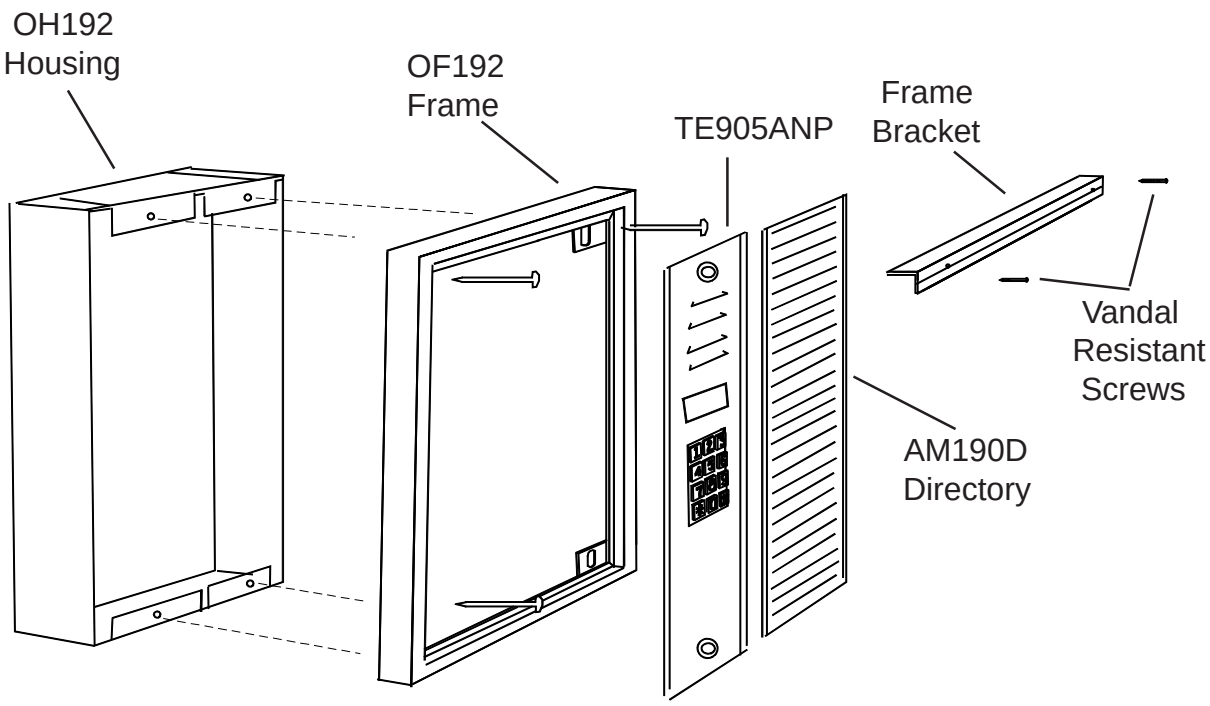


Figure 5—Frame and Housing Installation



TE Series Master Housing & Frame Chart

FRAMES			FLUSH MOUNT HOUSING					
Model#	Width	Wall Cut-out	Model #	Width Overall	Wall Cut-out	Height Overall	Wall Cut-out	Depth
OF191	6-1/4"	-	OH191	4-3/8"	4-1/2"	17-1/8"	17-1/4"	3-1/2"
OF192	10 1/4"	-	OH192	8-3/8"	8-1/2"	17-1/8"	17-1/4"	3-1/2"
OF193	14-1/4"	-	OH193	12-3/8"	12-1/2"	17-1/8"	17-1/4"	3-1/2"
OF194	18-1/4"	-	OH194	16-3/8"	16-1/2"	17-1/8"	17-1/4"	3-1/2"
OF195	22-1/4"	-	OH195	20-3/8"	20-1/2"	17-1/8"	17-1/4"	3-1/2"
OF196	26-1/4"	-	OH196	24-3/8"	24-1/2"	17-1/8"	17-1/4"	3-1/2"

For more than 240 suites, contact factory for frame and housing information. Directories supplied separately.

Notes:

1. Refer to frame and housing chart for wall cut-out dimensions.
2. AM190D directory panels have 60 name capacity. For additional directories, size the frame and housing accordingly. (Example: 1-TE905ANP + 2-AM190D requires an OF/OH193; 1-TE905ANP+3-AM190D requires an OF/OH194; 1-TE905ANP+0-AM190D requires an OF/OH191.)
3. Flush mounting frame shown in diagram above.
4. Frame bracket supplied with OF192. Bracket is supplied with scrulox screws, but it is suggested you use the spanner type vandal-resistant screws supplied with the TE905ANP. Use TekTone® driver #HT007.
5. Refer to *Figure 4—PM900 Control Unit Mounting Template* to mount the PM900 Control Unit inside the housing.

Figure 6—Amphenol PIN Assignment, Bell Side (RJ71C, CA79X, CA71A)

RES.	PIN#		C.O.	LINE#
TIP	1	26	TIP	1
RNG	2	27	RNG	
TIP	3	28	TIP	2
RNG	4	29	RNG	
TIP	5	30	TIP	3
RNG	6	31	RNG	
TIP	7	32	TIP	4
RNG	8	33	RNG	
TIP	9	34	TIP	5
RNG	10	35	RNG	
TIP	11	36	TIP	6
RNG	12	37	RNG	
TIP	13	38	TIP	7
RNG	14	39	RNG	
TIP	15	40	TIP	8
RNG	16	41	RNG	
TIP	17	42	TIP	9
RNG	18	43	RNG	
TIP	19	44	TIP	10
RNG	20	45	RNG	
TIP	21	46	TIP	11
RNG	22	47	RNG	
TIP	23	48	TIP	12
RNG	24	49	RNG	
	25	50	NOT USED	

Tek-ENTRY® Programming Worksheet

Building Address: _____

_____

Date of Installation: _____

Installation Company: _____

_____

Programming Instructions:

A. Enter "*" and the three-digit Master Code (see #3 below) on the keypad to access the programming menu.
B. Press the "1" key to scroll up, or press the "3" key to scroll down the menu screen to the desired function.
C. Press the "#" key to select the desired function when it is displayed on the screen.
D. Follow the displayed instructions to make the necessary changes.
E. Press the "*" key twice to end program mode.

Factory Default Programming:

Function	*Factory Default*	*Programmed*
1. Tenant Dial Codes	Blank (4 digits)	See Directory Worksheet
2. Keyless Entry Codes	Blank (4 digits)	See Directory Worksheet
3. Master Code	* 1 2 3	* __ __ __
4. Door Open Time	10 Seconds	__ __ (0-99 sec)
5. Talk Time	60 Seconds	__ __ (0–99 sec)
6. Night Service On/Off	* 4 5 6	Fixed

Off-Premises Dialing

Dial Code	*Telephone Number*	*Name*
1. __ __ __ __	__ (__ __ __) __ __ __ – __ __ __ __	_____
2. __ __ __ __	__ (__ __ __) __ __ __ – __ __ __ __	_____
3. __ __ __ __	__ (__ __ __) __ __ __ – __ __ __ __	_____
4. __ __ __ __	__ (__ __ __) __ __ __ – __ __ __ __	_____
5. __ __ __ __	__ (__ __ __) __ __ __ – __ __ __ __	_____

Tek-ENTRY® Directory Worksheet

Suite #	Tenant Name	Tenant Dial Code	Keyless Entry Code

Tek-ENTRY® Directory Worksheet

Suite #	Tenant Name	Tenant Dial Code	Keyless Entry Code

Tek-ENTRY® Directory Worksheet

Suite #	Tenant Name	Tenant Dial Code	Keyless Entry Code

Tek-ENTRY® Telephone Entry System Operating Instructions

A TekTone® Tek-ENTRY® Telephone Entry System has been installed in your building to provide increased security for yourself and your family. The system provides communication and entry control using your telephone.

Your visitor will find your name and assigned dial code number on the directory near the Tek-ENTRY® System.

When the visitor enters your dial code number, the Tek-ENTRY® System will automatically ring your suite. You can answer from any telephone.

Answer the call and establish the identity of your visitor. The call will automatically cut off after a preprogrammed time period. You will hear a tone 10 seconds before the call is disconnected.

If you want to allow your visitor to enter, simply dial or press “9” on your telephone. This will unlock the entrance to your building or complex. You will hear a tone indicating the lock has been released. After hearing the tone, you may hang up.

To deny entry, simply hang up. Do not dial “9.”

If you are on the phone when a visitor calls you from the Tek-ENTRY® System, they will get a busy signal unless you have “call waiting” service assigned to your telephone.

Optional Entry Code Use

If the box below is filled in, you have been assigned your own entry code. Entering this code on the Tek-ENTRY® System keypad will allow you to enter the building without a key. When using this code, it is *not necessary* to pick up the handset. Press the “#” key, and then the four-digit number. Your code will not appear on the display.

#

TekTone® ***Sound & Signal Mfg., Inc.***