Kantech Telephone Entry System

Programming Manual

KANTECH

DN1770-1102

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A - General Description

A.1 Overview

The Kantech Telephone Entry System (**KTES**) is an ideal telephone entry system that is suited for small and large applications with a separate access control system, or in applications that require telephone entry access only. This system provides visitor access control for a variety of applications: apartment buildings, gated communities, condominiums, office buildings, factories, and industrial sites. Visitors use the **KTES** to communicate directly with a tenant and are easily identified by voice communication. The tenant can grant or deny the visitor access directly from a telephone land line or a cellular phone.

You can navigate easily through the interface using three large function buttons making the system operation quick and easy. For additional security, an optional CCTV camera provides tenants the ability to see who is at an entrance from a selected cable station on their television.

Designed as a stand-alone unit, the system controls one door, auxiliary relay, and supports postal lock access. For larger commercial installations, the **KTES** integrates with EntraPass security software and KT-controllers to provide a complete access control system solution. All programming of the system can be done directly on the keypad or remotely from a PC via a modem, Ethernet connection, or RS-485 interface. Included with the **KTES** is a limited version of the EntraPass software which allows for fast configuration, live transaction monitoring, and system backup. The system also provides Wiegand inputs and outputs so that it can be connected to additional door controllers for card access at other entrances. Refer to the EntraPass data sheets for additional information.

For added convenience, **KTES** maintains a local event log which can be viewed directly on the LCD. The system reports all events directly to EntraPass where you can obtain a more detailed event log. Additionally, programmed alarms can be reported to a pager and/or to the EntraPass system via an integrated modem.

A.2 Copyright Information

A.3 Technical Support

For technical assistance regarding the Kantech Telephone Entry System or other Kantech products, contact the technical support, Monday to Friday. See the following table for the phone numbers.

Country/Region	Phone Numbers	Support Hours	Email
North America Toll Free +888 222 1560 (GMT -05:00)			
US and Canada	Direct: +450 444 2030 Fax: +450 444 2029	8:00 to 20:00	kantechsupport@tycoint.com
Latin America (GMT -03:00)			
Argentina	Direct: +5411 4711 8711 Fax: +5411 4711 8201	9:00 to 18:00	ingenieria@tycoint.com
Asia (GMT +08:00)			
Asia-Pacific		8:30 to 18:00	TSP_SouthEastAsia@tycoint.com TSP_China@tycoint.com TSP_India@tycoint.com TSP_NorthAsia@tycoint.com TSP_ANZ@tycoint.com
Europe Toll Free +800 CALL TYCO / +800 2255 8926 (GMT +01:00)			
Bahrain	+800 04127	8:00 to 18:00	tfsemea.support@tycoint.com
France	+33 04 72 79 14 83		
Greece	+00 800 31 22 94 53		
Russia	+8 10 800 2052 1031		
Spain	+900 10 19 45		
Turkey	+00 800 31 92 30 07		
United Arab Emirates	+800 0 31 0 7123		
United Kingdom	+44 08701 ADT SUP / 44 08701 238 787 Direct: +31 475 352 722 Fax: +31 475 352 725		

Table 1: Technical Support Phone Numbers

B - Programming Manual Structure

This manual describes the programming procedures and the basic configuration required for **KTES** operation. It is divided into four chapters:

- **Programming Manual**: How to use and program the **KTES** according to the four tenant types (Tenant, Maintenance, Owner and Installer).
- **Appendix A- ASCII Table**: Character entry table.
- **Appendix B- System Configuration Worksheet**: Worksheets used to keep a record of the system parameters.
- **Appendix C- Tenant Information Record**: Worksheet to keep a record of tenant information.
- **QUICK REFERENCE SHEET:** How to use the **KTES** for tenants.

Note: Refer to document DN1904 for the step by step programming guide

C - Navigation

Navigation and configuration menus can be accessed using the keypad. The three keys underneath the LCD display are context sensitive to allow easy navigation throughout the system menus.

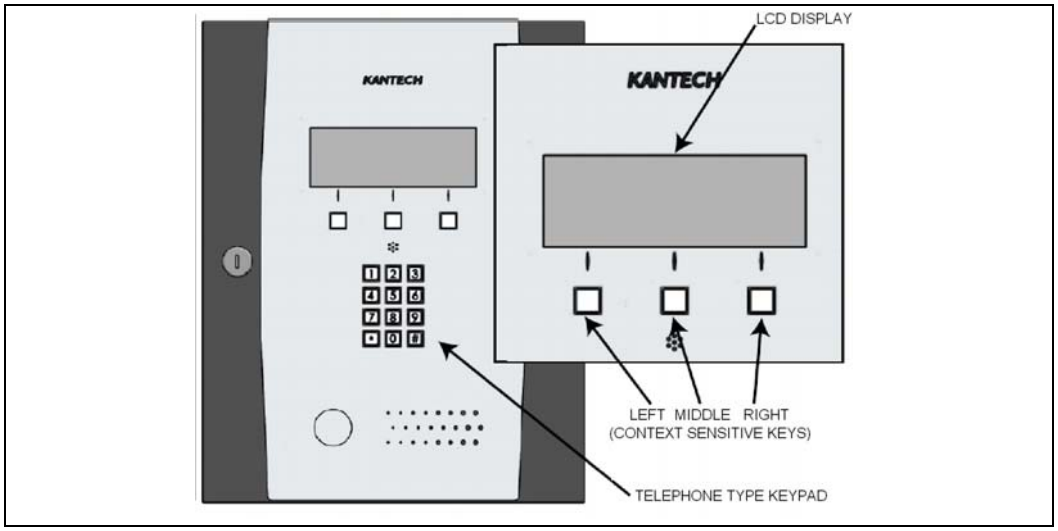

Figure 1: KTES Front Panel Interface

C.1 Configuration Menus

The configuration menus include all parameters that may be configured to better suit your particular customer requirements. All menus have been designed to work the same manner.

C.1.1 Enter the Programming Mode

1. Press and hold * during 5 seconds, until you hear a beep.
2. Type in your **PIN** (Default value is 8888).

Note: For security purposes, you should change your **PIN** to a different value as soon as possible (see **1.6 The Tenant's PIN**).

C.1.2 Exit a Menu

You can exit a menu at all times by selecting ***Exit*** or **Back** (middle key) located underneath the LCD display. You could be asked to confirm by selecting (***Yes***) or not (***No***).

Note: The star key * can also be used as the **Exit** or **Escape** key. The pound key # is the **Enter** key, like on your computer keyboard.

C.2 Using Capitals

The system was developed to allow you to enter capital as well as lower cases letters. When you set the tenant's name, for instance, the panel middle key allows you to choose your preference:

- **Caps**: This option means that the first letter will be displayed in capital letter and the following letters will be displayed using lower cases (ex: Smith). This is the default option.
- **CAPS**: This option means that all letters will be displayed in capital letters (ex: SMITH).
- **caps**: This option means that all letters will be displayed using lower cases (ex: smith).

C.3 Using Special Characters

To display special characters, press the corresponding key repeatedly. The available characters table correspond to the selected user interface language (see section **8.1.2.1 Language** for details). Refer to the following table:

Key	Default		English		French		Spanish	
	Capital	Lower	Capital	Lower	Capital	Lower	Capital	Lower
1	_ - ( ) 1 & * < > @ / % $ # ' , ; :		_ - ( ) 1 & * < > @ / % $ # ' , ; :		_ - ( ) 1 & * < > @ / % $ # ' , ; :		_ - ( ) 1 & * < > @ / % $ # ' , ; :	

Key	Default		English		French		Spanish	
	Capital	Lower	Capital	Lower	Capital	Lower	Capital	Lower
2	A B C 2 Ç	a b c 2 à á â ä ç	A B C 2	a b c 2	A B C 2 Ç	a b c 2 à á â ä ç	A B C 2	a b c 2 á
3	D E F 3 É	d e f 3 è é ê ë	D E F 3	d e f 3	D E F 3 É	d e f 3 è é ê ë	D E F 3	d e f 3 é
4	G H I 4	g h i 4 í ì î ï	G H I 4	g h i 4	G H I 4	g h i 4 í ì î ï	G H I 4	g h i 4 í
5	J K L 5	j k l 5	J K L 5	j k l 5	J K L 5	j k l 5	J K L 5	j k l 5
6	M N O 6 Ñ	m n o 6 ñ ò ó ô ö	M N O 6	m n o 6	M N O 6	m n o 6 ò ó ô ö	M N O 6 Ñ	m n o 6 ñ ó
7	P Q R S 7	p q r s 7	P Q R S 7	p q r s 7	P Q R S 7	p q r s 7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8 û ü ù ú	T U V 8	t u v 8	T U V 8	t u v 8 û ü ù ú	T U V 8	t u v 8 ú
9	W X Y Z 9	w x y z 9	W X Y Z 9	w x y z 9	W X Y Z 9	w x y z 9	W X Y Z 9	w x y z 9
0	0	0	0	0	0	0	0	0

Note: For the edition of welcome messages, the available characters table corresponds to the selected message language (see section **2.1 Welcome Messages** for details) no matter which language is selected for the user interface.

D - User Types

D.1 Visitor

The visitor can gain access to a building by using the **KTES** to contact a tenant. The visitor can select a tenant by browsing through the tenant directory or by directly entering the tenant's ID.

D.1.1 Welcome Screen

The visitor is prompted with the following screen. He may select a different language if the system has been programmed with that option:

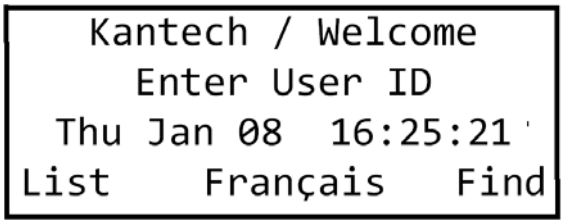

Figure 2: Welcome Screen

A visitor can reach a tenant by using one of the following methods:

- Press **List** and scroll up and down the tenants directory.
- Directly entering the tenant's ID.
- Press **Find** and enter the first letter of the tenant's name.

D.1.2 Preferred Language

If the option has been enabled, the visitor may select a different displayed language by pressing the center key.

D.1.3 Calling a Tenant Using the Directory

The visitor can reach a tenant by using the **List** function:

1. Press **List**.
2. Use the up and down arrows to scroll through the directory. Press **Call**.

Note: You may hold the up and down arrows to browse the directory faster.

D.1.4 Calling a Tenant using Find

The visitor can reach a tenant by using the **Find** function:

1. Press **Find**, and enter the first letter of the tenant's name using the keypad.
2. Select a tenant using the up and down arrows. Press **Call**.

Note: Pressing a key once will display the tenant names beginning with one of the key's letters. Pressing a second key will sort the resulting list according to the names' second letter. Pressing a third key will sort the resulting list according to the names' third letter and so on. Numbers are entered normally by depressing the corresponding key once.

D.1.5 Calling a Tenant using the Tenant's ID

A visitor can reach a tenant by directly entering his ID:

1. Using the keypad, enter the tenant's **ID**.
2. The **KTES** will call the tenant automatically.

Note: If the visitor enters an inexistent tenant ID, the message **Wrong ID** will be displayed.

D.2 Tenant

The tenant is a resident in an apartment building or an employee in a company. The tenant can access to the building using his PIN number or his access card, and/or grant access to a visitor via his land telephone or cellular.

D.2.1 Gaining Access to the Building

A tenant can use his assigned PIN number or his access card, if one has been programmed, to gain access to the building.

To enter the building using a **PIN**:

1. Press ***** on the keypad, immediately followed by the **PIN** number.
2. The LCD display will show the message **Access Granted**.

To enter the building using an access card:

1. Present the card to the reader assigned to the **KTES**.
2. The LCD display will show the message **Access Granted**.

D.2.2 Granting Access to a Visitor

A tenant can grant access to the building to a visitor, by pressing the appropriate key(s) on his telephone keypad as defined in section **8.1.2.3 Keypad Setup.** Default code is **9**.

D.2.3 Refusing Access to a Visitor

A tenant can deny access to the building to a visitor, by entering the appropriate key(s) on his telephone keypad as defined in section **8.1.2.3 Keypad Setup** or simply by hanging up. Default code is *. This will end the call and advise the visitor that access has been denied.

D.3 Tenant Type Privileges

The **KTES** includes four tenant types: **Tenant, Maintenance**, **Owner** and **Installer** (For more information on how to define tenant types, refer to section **1.10.1 Admin Level**). A tenant defined as an **Installer** has full privileges over the **KTES** programming. Tenants defined as **Owner** and **Maintenance** have limited privileges. The tenant type **Tenant** has no read or modify privileges over the configuration menus. The following table describes the read/modify privileges for each configuration menu according to the tenant type:

Configuration Menus	Tenant	Maintenance	Owner	Installer
1-Tenant	No access	Read/Modify	Read/Modify	Read/Modify
2-Welcome Message	No access	Read/Modify	Read/Modify	Read/Modify
3-Date and Time	No access	Read/Modify	Read/Modify	Read/Modify
4-Event Buffer	No access	Read	Read	Read/Modify
5-System Information	No access	Read	Read	Read
6-Remote Access, 1-Modem	No access	No access	Read	Read/Modify
6-Remote Access, 2-Pager	No access	No access	Read/Modify	Read/Modify
6-Remote Access, 3-Ethernet	No access	Read	Read	Read/Modify
7-Definition, 1-Schedule	No access	Read	Read	Read/Modify
7-Definition, 2-Holiday	No access	Read/Modify	Read/Modify	Read/Modify
8-Device, 1-System	No access	No access	Read	Read/Modify
8-Device, 2-Door	No access	No access	Read	Read/Modify
8-Device, 3-Inputs	No access	No access	Read	Read/Modify
8-Device, 4-Relays	No access	No access	Read	Read/Modify

Table 2: Read/Modify Privileges

D.4 Configurations Menus

The **KTES** is divided into eight configuration menus, each with its own submenus. The following table indicates where to look for details concerning each menu.

1st Level Menus	Page
1-Tenant	7
2-Welcome Message	15
3-Time and Date	17
4-Event Buffer	17
5-System Info	18
6-Remote Access	19
7-Definition	26
8-Device	27

Table 3: Menus

Note: You must be logged in with the appropriate privileges to modify a configuration menu.

Important: Note that for sections 6.1 to 8.2, the paragraph numbers correspond to the item keypad shortcuts. For example, the function described in **6.2.7.1 Access Granted** can be configured by entering shortcut **6-2-7-1.**

1.0 - Tenant Menu

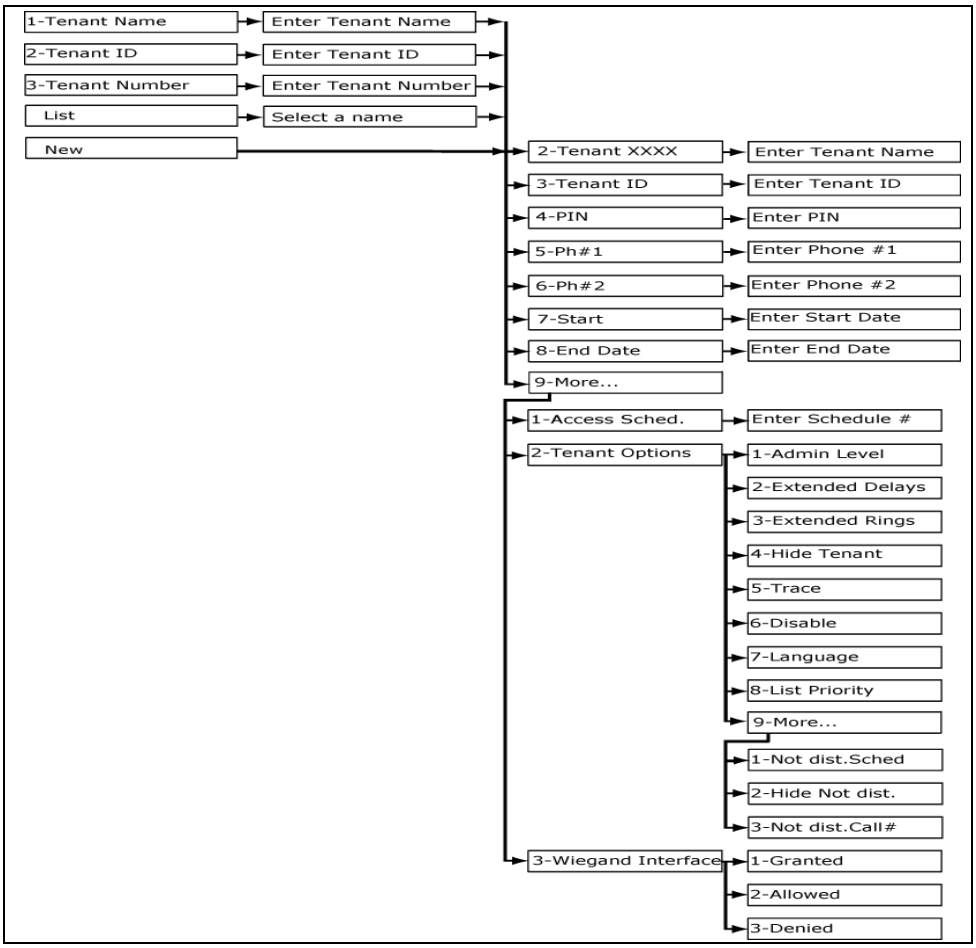

Figure 3: Tenant Menu Flow Chart

A **Tenant** can have a Personal Identification Number (**PIN**) or an access card in the **KTES** to enter the building and his name can be listed in the **KTES** directory. The tenant information, the access schedule, the PIN, the access card and up to two telephone numbers can be configured in the system for each tenant. You can also keep a record of all tenants information. A Tenant Information Record sheet is provided at the end of this manual. Make as many photocopies of this sheet as necessary to keep complete records of all your tenants.

1.1 Tenant Information

Tenant information can be configured directly from the **KTES** keypad or through the EntraPass software (refer to **DN1420 Special Edition**, **DN1415 Corporate Edition** or **DN1316 Global Edition** reference manuals). It consists of the name, phone number, language, access schedule, PIN, access card, tenant type and activation dates based on schedules and holidays already set up in the system (when applicable). Each tenant name, phone number and ID code must be programmed in the **KTES**.

1.2 Adding a Tenant

You can add a new tenant in the **KTES** by pressing **1-Tenant** and using the following method:

1. Press **New**.
2. Press **2-** and enter the tenant's name. Press **#.**
3. Press **3-** and enter the tenant's ID. Press **#**.
4. Press **4-** and enter the tenant's PIN. Press **#**.
5. Press **5-** and enter the tenant's first phone number. Press **#.**
6. Press **6-** and enter the tenant's second phone number. Press **#.**
7. Press **7-** and enter the tenant's start date for using the **KTES**. Press **#**.
8. Press **8-** and enter the tenant's end date for using the **KTES**. Press # and press **Save**.
9. Press **9-**, **3-** then on **1-** and enter the card number assigned to the tenant.

1.3 Modifying / Selecting a Tenant

You can select or modify an existing tenant by pressing **1-Tenant** and then using one of the following methods:

- Press **1-Tenant Name** (shortcut **1-1**). Enter the tenant's name. Pressing a key once will display the tenant names beginning with one of the key letters. Pressing another key (or the same) will resort the list according to their second letter. For example, considering the following list of names:

>Abbot John
Carlton Philip
Clarkson Emma
Edwards Joan
Erickson Blair
Holmes Cathy
Jackson Paul
Orsen Simon

if you press the **3** key (containing letters D, E and F) once, the **KTES** will display names beginning with E (since in this example no name begins with D) on top of the list. The displayed list will then be:

>Edwards Joan
Erickson Blair
Holmes Cathy
Jackson Paul
Orsen Simon

Now, pressing the **7** key will display the same names beginning with E on top of the list but containing P, Q, R or S as their second letter.

>Erickson Blair
Holmes Cathy
Jackson Paul
Orsen Simon

Press **Select**.

Or

Press **2-Tenant ID** (shortcut **1-2**). Enter the tenant's ID. Press #.

Or

Press the **List** key. Use the arrow key to move through the list. Press **Select**.

Or

Press **3-Tenant Number**. Enter the tenant number (index number) and press #.

1.4 The Tenant's Name

The tenant's name can be entered in the **KTES** using the keypad:

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **2-**, and using the keypad enter the name. Press # and press **Save**.

Note: Press a key twice to enter the second letter written on it. For example, to enter the letter **B**, press number **2** twice. Also, keep in mind the 20 characters limit of the system when you enter the tenant's name.

1.5 The Tenant's ID

The tenant's ID is an identification code consisting in a 1 to 5-digit number a visitor can use to call a tenant. Default value is **Empty**.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **3- Tenant ID**, and then enter the ID (0 to 99999). Press # and **Save**.

Note: Refer to section **8.1.2.3.4 Tenant ID Length** to program the ID length.

1.6 The Tenant's PIN

A Personal Identification Number (PIN) consists of a 4 to 6-digit number configured for each tenant. The number of digits available for a PIN has already been configured by the installer. Tenants should never give out their PIN to anybody. Default value is **Empty**

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **4-PIN**, enter the **PIN** number (0000 to 999999). Press # and **Save**.

Note: Refer to section **8.1.2.3.5 Tenant PIN Length** to program the number of digits for a **PIN**.

1.7 Telephone Numbers

The first phone number is used when a visitor select the tenant from the **KTES** directory. If no phone number is entered, the tenant cannot be called by the **KTES** system and will not be displayed in the **KTES** directory either. The second phone number is used by the **KTES** to contact the tenant when there is no answer to the first number. The default value for both phone numbers is empty.

Note: For New-Zealand: This equipment shall not be set up to make automatic calls to the Telecom "111" Emergency Service.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).

2. press **5-Ph#1**, and then enter the tenant's first phone number (24 characters maximum). Using the **Spec** key, add a 2 seconds delay with comma (,), a 4 seconds delay with semicolon (;), separate digits with hyphen (-) or wait for a second dial tone with the letter **W**. Press #.
3. To enter a second phone number, press **6**-**Ph#2**, and enter the tenant's second phone number (24 characters maximum). Press # and **Save**.

1.8 Start and End Dates

The **Start date** is the date from which the tenant will be able to access the system. The **End date** is the date at which the tenant will no more be able to access the system, its status is no more valid. The default value is 0, deactivate. To enter start and end dates:

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. To activate the tenant access, press **7-Start Date**, and enter the date from which the tenant will have access the building (YY/MM/DD). Press **#.**
3. To end the tenant's access to the building, press **8-End Date**, and then enter the date at which the tenant will not have access the building (YY/MM/DD). Press **#** and **Save**.

1.9 Access Schedule

For security reasons, an **Access Schedule** can be configured in order to link a schedule with the tenant access rights. A tenant can access the building according to specific time, days and holidays defined in the system. Since each schedule has its own number, that number must be entered in the system to specify an access schedule. Note that schedules 00 and 01 have been pre assigned in the **KTES**. 00 for ***Invalid at all time***, and 01 for ***Always valid***. Default value is **01**.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More**, press **1-Access Sched**. Using the keypad, enter the appropriate schedule number (value range from 00 to 99). Press #, **Back** and **Save**.

1.10 Tenant Options

The **Tenant Options** menu covers all toggle parameters specific to a tenant.

1.10.1 Admin Level

You must specify the administration level of tenants: **Tenant**, **Maintenance**, **Owner**, or **Installer**. Depending on that level, the menus available and the operations that can be performed can be different. The default value is **Tenant**.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. press **9-More,** press **2-Tenant Options**.
3. Press **1-Admin Level**, and then press **1** again to select the appropriate tenant privilege. You can press **1** more than once until you reach the desired. Press **Back** twice and **Save**.

Note: In order to prevent a unit to be without at least one user configured as "Installer", an "Installer Level" user cannot delete itself (only from EntraPass).

1.10.2 Extended Delays

The extended delays correspond to the additional time lapse a door should stay unlocked and could be kept opened (for instance, a handicapped person could need more time to access to a building). The default value is **N** (No).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **2-Tenant Options**.
3. Press **2-Extended Delays**. Press **2** again to toggle between **Yes** and **No**. Press **Back** twice and **Save**.

Note: Refer to section **8.2.2 Delays** for more information on the default, minimum and maximum values for the normal and extended delays.

1.10.3 Extended Rings

The system can allow an extended number of rings in order to give more time for the tenant to answer. The default value is **N** (No).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **2-Tenant Options**.
3. Press **3-Extended Number Of Rings** in order to activate the option (**Y**). Press **Back** twice and **Save**.

Note: Refer to section **8.1.3 Call Options** for more information on the default, minimum and maximum values for the normal and extended number of rings.

1.10.4 Hide Tenant

This option is used if you want the current tenant's name to be hidden. The default value is **N** (No).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **2-Tenant Options.**
3. Press **4-Hide Tenant**. Pressing 4 again will toggle between **Y** and **N**. Press **Back** twice and **Save**.

1.10.5 Trace

The trace option allows the activation of a relay and/or the generation of a traceability event. The default value is **N** (No).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **2-Tenant Options.**
3. Press **5-Trace**. Pressing **5** again will toggle between **Y** and **N**. Press **Back** twice and **Save**.

Note: For more information on how to configure relays, refer to section **8.2.6.1 Relays Activation** .

1.10.6 Disable

A disabled status allows the activation of a relay and/or the generation of an alarm. The default value is **N**(No) for enabled.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **2-Tenant Options.**
3. Press **6-Disabled**. Pressing **6** again will toggle between **Y** and **N**. Press **Back** twice and **Save**.

Note: For more information on how to configure relays, refer to section **8.2.6.1 Relays Activation** .

1.10.7 Tenant Language

This item allows you to select the tenant's display language. **None**, **English**, **Spanish**, **French** and **Custom** can be selected. It is important to know that **Custom** is a specific language chosen by the customer. For example, it can be **Italiano** or **Deutsch**. The default value is **None** (this is the system's default value. Refer to section **8.1.2.1 Language** to program the system's language).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More**, press **2-Tenant Options**.
3. Press **7-Language**, and then press **7** again to scroll among the different languages available. The available languages will be displayed successively on the LCD after each key press. Press **Back** twice and **Save**.

1.10.8 List Priority

This item allows you to place selected tenants on top of the sorted tenant list. A priority flag is assigned to each selected tenant so the system scans the list for priority tenants and shows them first. Then the rest of the list is displayed in alphabetical order. The default value is **No** (N).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).

2. Press **9-More**, press **2-Tenant Options**.
3. Press **8-List Priority**. Pressing **8** again will toggle between **Y** and **N**. Press **Back** twice and **Save**.

Example

Consider the following tenant list:

Name	Tenant Number	Flag
Reception	1234	p
Bob	1245	
Chuck	3543	p
Mike	6455	p
Jerry	6845	
Nicole	6865	
Norman	6614	
Paul	9424	p
Police	4444	
Conference room	6665	

In **List** mode, the priority flag is used to resort the list as follows:

Name	Tenant Number	Flag
Chuck	3543	p
Mike	6455	p
Paul	9424	p
Reception	1234	p
Bob	1245	
Conference room	6665	
Jerry	6845	
Nicole	6865	
Norman	6614	
Police	4444	

Note: In **Find** mode, the priority flag is ignored so the whole list is sorted in alphabetical order.

1.10.9 Do Not Disturb Schedule

This item allows you to assign a schedule number to the Do Not Disturb tenant status (if enabled). If a visitor calls a tenant for which a **Do Not Disturb** schedule is active and the **Call second phone number** option is set to **No**, a message will be displayed for 4 seconds saying “DO NOT DISTURB”. A new event message is then logged in EntraPass notifying that a visitor has tried to reach a tenant while a DND (Do Not Disturb) schedule was active. The default value is **00** (never valid).

1. Add a new **Tenant** or select an existing one (please refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More**, press **2-Tenant Options**.
3. Press **9-More**, and then press **1-Not dist.Sched.** Enter a schedule number. Press **Back** three times and **Save**.

Note: Schedules 00 and 01 have been pre assigned in the **KTES** and cannot be changed: 00 for ***never valid***, and 01 for ***always valid***. Refer to **7.1 Schedules** for more information.

1.10.10 Hide in Do Not Disturb

This item allows you to determine if the tenant should be displayed in the tenant list (or for searching) while in **Do Not Disturb** status. The default value is **N** (do not hide).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More**, press **2-Tenant Options**.
3. Press **9-More**, and then press **2-Hide Not dist.** Pressing **2** again will toggle between **Y** and **N**. Press **Back** three times and **Save**.

Note: As for the **Hide Tenant** option, The **Find** function will not show the tenant when the **Do Not Disturb** schedule is active.

1.10.11 Call #2 in Do Not Disturb Status

This item allows you to determine if the second phone number (see **1.7 Telephone Numbers** for details) should be used when a **Do Not Disturb** schedule is active. The default value is **N** (No).

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More**, press **2-Tenant Options**.
3. Press **9-More**, and then press **3-Call # 2 Schedule** and **4- # 2 only on Schedule.** Pressing **3** again will toggle between **Y** and **N**. Press **Back** three times and **Save**.

Note: if the schedule is active and the **Call second phone number** option is enabled, the second phone number is called (if it exists) instead of the first one. If the tenant does not answer, the call is ended. If a second phone number has not been set for the tenant (see **1.7 Telephone Numbers** for details), the “DO NOT DISTURB” message will be displayed.

1.11 Wiegand Interface

The **Wiegand Interface** can be used in two different operating modes. With an access reader in which an access card is assigned to the tenant in order to access the door monitored by the **KTES**, or with a Kantech access controller in which a Wiegand code is send to the controller when a PIN is entered using the **KTES** keypad. In the last case, the **KTES**, as for a reader and the access controller, will take the decision to unlock the door or not. To configure the Wiegand interface functions, the Wiegand mode must be activated first. Refer to section **8.1.4 Wiegand Configuration** for more information.

1.11.1 Mode: KTES Configured with an Access Reader

1.11.1.1 Access Granted

This is the access card number assigned to the tenant. The default value is **00:00000**, for not used.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **3-Wiegand Interface**.
3. Press **1-Granted**, and then use the digit keys, followed by the # key to set the simulated access card number. Use the recommended format pre-configured for the **Wiegand Interface** by your system administrator. Refer to section **8.1.4 Wiegand Configuration** for more information.
4. The **Hex** key is used to enter hexadecimal information. Letters can be entered when specified in the Wiegand Interface for the recommended format. Only the first 2 digits can be letters while the followings are numeral only. Press **Back** twice and **Save**.

1.11.2 Mode: KTES Connected to an Access Controller

1.11.2.1 Access Granted

The **Access Granted** code is a Wiegand code sent when the tenant enters a valid PIN number. The default value is **00:00000**, for not used.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **3-Wiegand Interface**.

3. Press **1-Granted**, and then use the digit keys, followed by the # key to set the simulated access card number. Use the recommended format pre-configured for the **Wiegand Interface** by your system administrator. Refer to section **8.1.4 Wiegand Configuration** for more information.
4. The **Hex** key is used to enter hexadecimal information. Letters can be entered when specified in the Wiegand Interface for the recommended format. Only the first 2 digits can be letters while the followings are numeral only. Press **Back** twice and **Save**.

1.11.2.2 Access Allowed

The **Access Allowed** code is a Wiegand code sent when the tenant grants access to a visitor. The default value is **00:00000**, for not used.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More**, press **3-Wiegand Interface**.
3. Press **2-Allowed**, and then press the digit keys, followed by the **#** key to set the simulated visitor allowed card number. Use the recommended format pre-configured for the **Wiegand Interface**, by your system administrator. Refer to section **8.1.4 Wiegand Configuration** for more information. Press **Back** twice and **Save**.

1.11.2.3 Access Denied

The **Access Denied** code is a Wiegand code sent when the tenant denies access to a visitor. The default value is **00:00000**, for not in use.

1. Add a new **Tenant** or select an existing one (Refer to sections **1.2 Adding a Tenant** or **1.3 Modifying / Selecting a Tenant**).
2. Press **9-More,** press **3-Wiegand Interface**.
3. Press **3-Denied**, and then press the digit keys, followed by the # key to set the simulated visitor denied card number. Use the recommended format pre-configured for the **Wiegand Interface** by your system administrator. Refer to section **8.1.4 Wiegand Configuration** for more information. Press **Back** twice and **Save**.

Note: **Card numbers can also be entered by sliding a desired card in the reader when in the wiegand entry code sub-menu (the card driver format must be previously configured).**

2.0 - Welcome Message Menu

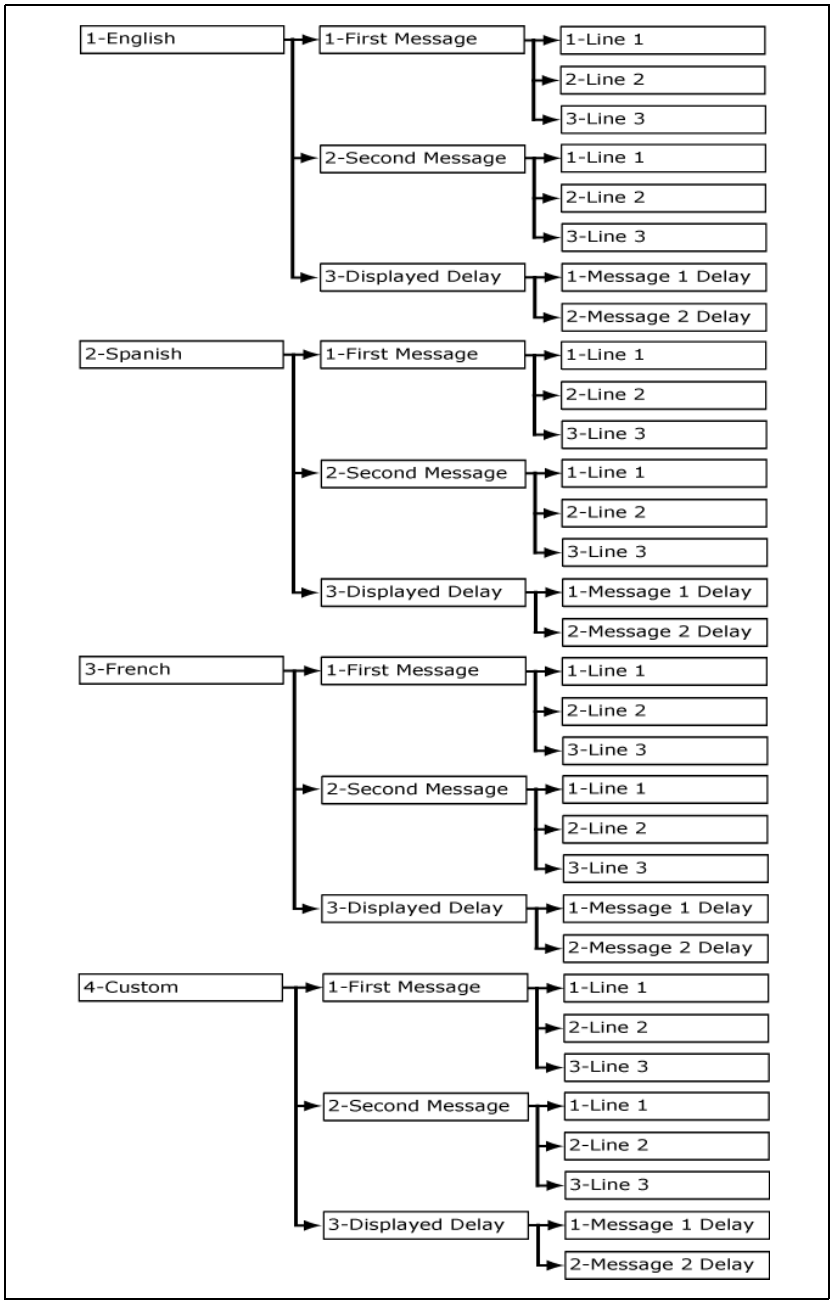

Figure 4: Welcome Message Menu Flow Chart

2.1 Welcome Messages

The **KTES** includes a welcome message menu from which you can configure two welcome messages in **English**, **French**, **Spanish** and a **Custom** language by using this menu.

1. From the root menu, press **2-Welcome Message**.
2. Press **1-English,** press **1-First Message**, press **1** to select the first line of text (shortcut **2-1-1-1**).
3. Enter the message that will be displayed on line 1 (20 alphanumerical characters maximum). Press **#**.

Note: Press a key twice to enter the second letter written on it. For example, to enter the letter **B**, press number **2** twice. Also, keep in mind the 20 characters limit of the system when you enter the tenant's name.

Note: To display the characters shown in **2.1.1 Special Characters**, refer to section **C.3 Using Special Characters** for details.

4. Press **2** to select the second line of text (shortcut **2-1-1-2**). Enter the message that will be displayed on line 2. Press #.
5. Press **3** to select the third line of text (shortcut **2-1-1-3**). Enter the message that will be displayed on line 3. Press # and **Back**.
6. Press **2-Second Message**, repeat steps 3 to 13 (shortcuts **2-1-2-1, 2-1-2-2 and 2-1-2-3**).
7. Press **3-Displayed Delay** to enter delay for messages 1 and 2.
8. Press **1-Message 1 Delay**, enter the delay in seconds (255 sec max) for message 1. This is the time during which the message 1 will be displayed. Default value is **02** seconds. Press #.
9. Press **2-Message 2 Delay**, enter the delay in seconds (255 sec max) for message 2. This is the time during which the message 2 will be displayed. Default value is **02** seconds. Press #, **Back** and **Save**.

Note: For the other languages (French, Spanish and Custom), the procedure is the same. For the shortcuts: Spanish corresponds to number 2, while French corresponds to number 3. For example, to enter the Spanish first message, the shortcut will be 2-2-1, while for the French first message, it will be 2-3-1.

Note: Refer to Appendix A for the ASCII characters table.

2.1.1 Special Characters

Display	Format
Hour displayed in 24 hours format	&h
Hour displayed in 12 hours format	&h&a
Minutes	&m
Seconds	&s
Ten of years	&y
Year	&yyy
Month	&o
Date	&d
Day of the week	&ww to &wwwwwwwww
Current month in text format	&oo to &ooooooooo

Table 4: Date and Hour Special Display Characters

By combining these commands, you can display the **KTES** current hour and date according to different formats. For example:

- The complete current date in the international format: &yyy/&o/&d = 2007/01/18
- The complete current date in the american format: &o/&d/&y = 01/18/07
- The complete current hour in 24 hours format: &h:&m:&s = 14:50:55
- The complete current hour in am/pm format: &h:&m:&s&a = 02:50:55pm
- The current day in 3 letters format: &ww = mon
- The current day in 10 letters format: &wwwwwwwww = wednesday
- The current month in 3 letters format: &oo = jan
- The curent month in 9 letters format: &Oooooooo = January
- The complete current date in letters and digits format: &ww &oo &d &yyy = thu jan 18 2007

Note: For letter formats, if the first letter is capital, the resulting date will begin with a capital letter. For example, &Ww=Mon.

3.0 - Time And Date Menu

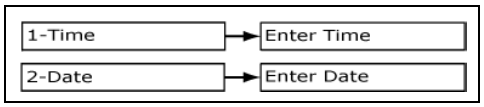

Figure 5: Time and Date Menu Flow Chart

3.1 Set Current Date and Time

To enter the current date and time in the Kantech Telephone Entry System:

1. Press **3-Time and Date** menu.
2. Press **1-Time**. Using the keypad, enter the current time (format: HH:MM:SS). Press #.
3. Press **2-Date** menu. Using the keypad, enter the current date (format: YY/MM/DD). Press # and **Back**.

Note: Hour values must ranges from 00:00:00 to 23:59:59. The **KTES** also proceed to a validation of the date entered. For example, if you enter February 29th in a non bissextile year, you will hear three beeps indicating that the year entered is not valid. Same thing if you enter a non existing day or month (13 for month, 55 for day, etc.)

Note: Programming date or time when the **KTES** is in Factory Default or Hard Reset mode will automatically remove the unit from Factory Default or Hard Reset mode and put the unit in Standalone mode (no communication with EntraPass). To reestablish IP, RS485 or Dialup communications, the **KTES** must be in Factory Default mode. Note also that any modification made while in Hard Reset or Factory Default will be lost after a unit reset (including a power off/power on sequence). If the unit is to be operated in Standalone mode and has been programmed via the keypad, make sure the date and time have been set. This is the only way to take it out of the Hard Reset mode (for more details on the procedure to follow to perform a Factory Default, refer to section 8 of the Installation Manual DN1769).

4.0 - Local Event Buffer Menu

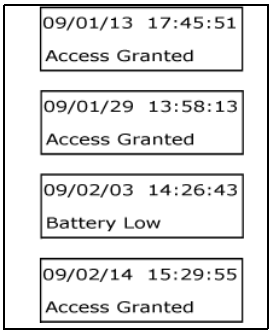

Figure 6: Event Buffer Menu Flow Chart

Events are always monitored through the **KTES**. A complete system status is available locally on the LCD display. Programmed alarms and troubles can also be reported to a programmed telephone number via an embedded modem to EntraPass software and/or a pager.

The **KTES** monitors and logs events as accesses (granted, denied, etc.), doors left open, detected alarms or other types of events. It is important to notice that the system begins with the most recent event, date and time included. Pressing the **Up** arrow will show the newest or most recent event first, while pressing the **Down** arrow will show the oldest one. Event logs are maintained in **KTES** nonvolatile memory and can be consulted locally via the LCD display and keypad. The following events are monitored and logged locally:

- Access granted; Access denied; Access no answer; Access postal lock
- Power-up reset; Hard reset; Soft reset
- Visitor allowed; Visitor denied
- Input in alarm; Input trouble; Input tamper
- General troubles (AC PWR, Battery, Input Tamper, etc.)

Note: Displayed message are followed by the tenant number/index when applicable.

5.0 - System Info Menu

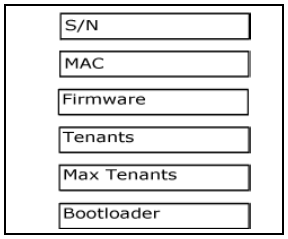

Figure 7: System Info Menu Flow Chart

5.1 System Information

System Information can be consulted from the LCD, it consists of **KTES** specific signature such as: serial number, MAC address, firmware version and tenants capacity. Press **5-System Info**.

5.1.1 Serial number

The serial number is unique to each **KTES**. It is used for communication between the **KTES** and the EntraPass software. It cannot be modified.

- S/N Serial number: XXXXXXXX

5.1.2 MAC Address

The unique address of an element that connects to the network. It cannot be modified. For information only.

- MAC address: 00-50-F9-XX-XX-XX

5.1.3 Firmware Version

This is the current **KTES** firmware program version number.

- Firmware: XX.XX.XX

5.1.4 Number of Tenants

The number of tenants defined in the **KTES**. This information cannot be modified.

- Tenants: XXXX

5.1.5 Maximum number of Tenants

The maximum number of tenants supported by the **KTES**. This parameter is related to the licence number supplied to the **KTES** by the EntraPass software.

Note: Factory default maximum number of tenants is 250. The maximum number of tenants can be increased (up to 3000) by purchasing the appropriate option.

5.1.6 Boot Loader Version

Small program stored in ROM use to boot the system. The version number of that program is displayed in the System Information Menu.

- Boot Loader: XX.XX

6.0 - Remote Access Menu

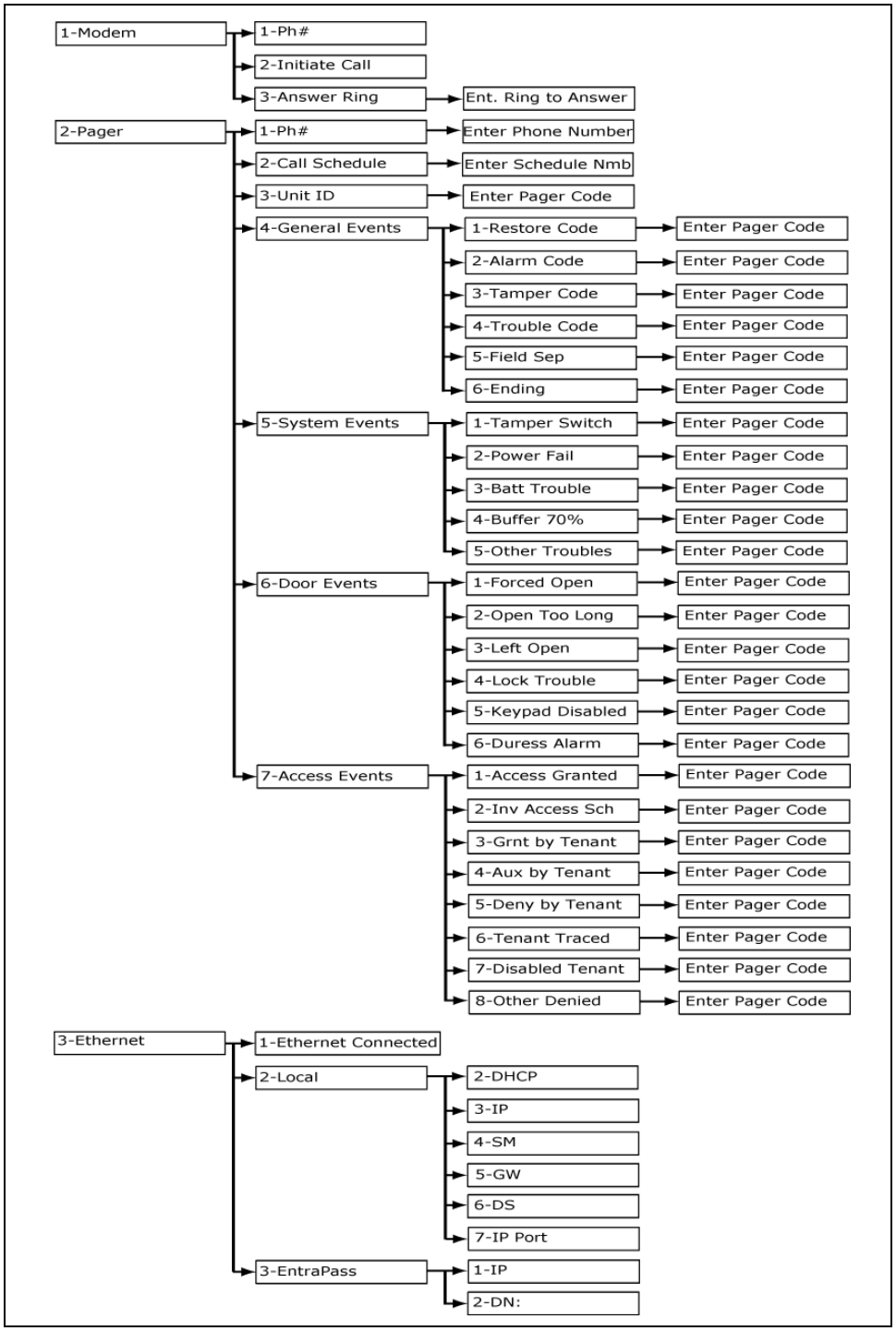

Figure 8: Remote Access Menu Flow Chart

The **Remote Access** menu allows you to set parameters in order to be able to use the system remotely.

6.1 Modem

The Modem is an optional communication link to download system parameters and report events through the EntraPass software. This menu will mostly be used to initiate a call from the **KTES** to the EntraPass gateway. For the first time, when the **KTES** is in hard reset, it is the EntraPass gateway that initiates the first call to setup the modem communication path of the **KTES**.

6.1.1 Phone Number

This phone number is used when the **KTES** must report an event to the EntraPass gateway via the modem. Default value is **Empty**.

Note: For New-Zealand: This equipment shall not be set up to make automatic calls to the Telecom “111” Emergency Service.

1. Press **6-Remote Access.** Press **1-Modem**. Press **1-Ph#** (shortcut **6-1-1**)
2. Enter the modem phone number (24 characters maximum). Using the **Spec** key, add a 2 seconds delay with comma (,), a 4 seconds delay with semicolon (;), separate digits with hyphen (-) or wait for a second dial tone with the letter **W**. Press # and **Save**.

6.1.2 Initiate Call

This is to allow the **KTES** to transmit event notifications to the EntraPass software.

1. Press **6-Remote Access,** press **1-Modem**, press **2-Initiate Call** (shortcut **6-1-2**).
2. Press **2** again to toggle between **Y** and **N**. Press # and **Save**.

6.1.3 Answer Ring

This is the maximum number of rings heard before the **KTES** answers on a call coming from the EntraPass gateway.

1. Press **6-Remote Access,** press **1-Modem,** press **3-Answer Ring** (shortcut **6-1-3**).
2. Enter the maximum number of rings allowed to answer the call (values range from 1 to 9). Press # and **Save**.

6.2 Pager Reporting

Pager reporting can be used to report access and alarm events directly to a pager through the phone line. Each entered code is related to an event. The pager code indicates the type of event.

Note: To activate the Pager Reporting function, refer to sections **8.1.6 Pager Reporting**, **8.2.5.2 Pager Reporting** and **8.2.6.2 Pager Reporting**.

Note: For New-Zealand: This equipment shall not be set up to make automatic calls to the Telecom “111” Emergency Service.

6.2.1 Phone Number

The pager phone number to which events will be reported. Default value is **Empty**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **1-Ph#** (shortcut **6-2-1**).
2. Enter the pager phone number (24 characters maximum). Using the **Spec** key, add a 2 seconds delay with comma (,), a 4 seconds delay with semicolon (;), separate digits with hyphen (-) or wait for a second dial tone with the letter **W**. Press # and **Save**.

6.2.2 Call Schedule

The schedule number from which the **KTES** can communicate programmed events, alarms and troubles to the pager. Default value is **00**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **2-Call Schedule** (shortcut **6-2-2**).
2. Enter the schedule number. Press # and **Save**.

Note: For more information on how to define schedules, refer to section **7.1 Schedules**.

6.2.3 Unit ID

The Unit ID identifies the **KTES** unit that sent the pager code. Default value is **0001**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **3-Unit ID** (shortcut **6-2-3**).
2. Enter the unit ID (values range from 0001 to 9999). Press #, **Save** and **Back**.

6.2.4 General Events

Select the appropriate general event item(s) and for each one, specify a code that will identify the event reported to the pager. Use this menu to also configure the Field Separator and Ending parameters.

6.2.4.1 Restore Code

The Restore Code is the pager code corresponding to the general event that triggered a zone restore condition. Default value is **0**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **4-General Events,** press **1-Restore Code** (shortcut **6-2-4-1**).
2. Enter the pager code corresponding to a restore code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.4.2 Alarm Code

The Alarm code is the pager code corresponding to the general event that triggered a zone alarm condition. Default value is **1**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **4-General Events,** press **2-Alarm Code** (shortcut **6-2-4-2**).
2. Enter the pager code corresponding to the alarm code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.4.3 Tamper Code

The Tamper code is the pager code corresponding to the general event that triggered a zone tamper condition. Default value is **2**.

1. Press **6-Remote Access,** press **2-Pager Reporting,** press **4-General Events,** press **3-Tamper Code** (shortcut **6-2-4-3**).
2. Enter the tamper code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.4.4 Trouble Code

The Trouble Code is the pager code corresponding to the general event that triggered a zone trouble condition. Default value is **3**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **4-General Events,** press **4-Trouble Code** (shortcut **6-2-4-4**).
2. Enter the trouble code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.4.5 Field Separator

The Field Separator Code is the character to be used as a field separator or delimiter. Default value is *****.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **4-General Events,** press **5-Field Sep** (shortcut **6-2-4-5**).
2. Enter the field separator code (possible values are *** # ,**). Press #, **Back** and **Save**.

6.2.4.6 Ending

The Ending Code is used to indicate that the call is completed. Default value is #.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **4-General Events,** press **6-Ending** (shortcut **6-2-4-6**).
2. Enter the ending code (possible values are *** # ,**). Press #, **Back** and **Save**.

6.2.5 System Events

Select the appropriate system event item(s) and for each one, specify a code that will identify the event reported to the pager.

6.2.5.1 Tamper Switch

The Tamper Alarm code is a pager code that corresponds to a tamper switch problem. Default is **100**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **5-System Events,** press **1-Tamper Alarm** (shortcut **6-2-5-1**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.5.2 Power Failure

The Power Failure code is a pager code that indicates an AC power failure on the **KTES**. Default value is **101**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **5-System Events,** press **2-Power Fail** (shortcut **6-2-5-2**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.5.3 Battery Trouble

The Battery Trouble code is a pager code that indicates a low battery problem on the **KTES**. Default value is **102**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **5-System Events,** press **3-Batt Trouble** (shortcut **6-2-5-3**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.5.4 Buffer 70%

The Buffer 70% code is a pager code sent to indicate that the event buffer for the Entrapass software has reach a 70% capacity. Default value is **103**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **5-System Events,** press **4-Buffer 70%** (shortcut **6-2-5-4**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.5.5 Other Troubles

The Other Troubles code is a pager code that corresponds to any other system troubles event that can occur. Default value is **104**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **5-System Events,** press **5-Other Troubles** (shortcut **6-2-5-5**).
2. Enter the pager code (values range from 001 to 999). Press #, press **Back** and **Save**.

6.2.6 Door Events

Select the appropriate door event item(s) and for each one, specify a code that will identify the event reported to the pager.

6.2.6.1 Forced Open

The Forced Open code is a pager code that corresponds to a door forced open. Default value is **120**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **6-Door Events,** press **1-Forced Open** (shortcut **6-2-6-1**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.6.2 Open Too Long

The Open Too Long code is a pager code that corresponds to a door opened for too long. Default value is **121**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **6-Door Events,** press **2-Open Too Long** (shortcut **6-2-6-2**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.6.3 Left Open

The Left Open code is a pager code that corresponds to a door left opened. Default value is **122**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **6-Door Events,** press **3-Left Open** (shortcut **6-2-6-3**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.6.4 Lock Trouble

The Lock Trouble code is a pager code that corresponds to a problem with the door locking device supervision. Default value is **123**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **6-Door Events** (shortcut **6-2-6**), press **4-Lock Trouble** (shortcut **6-2-6-4**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.6.5 Keypad Disabled

The Keypad Lockout code is a pager code that corresponds to a keypad lockout condition (when the option is enabled, refer to section **8.2.5.1.5 Keypad Lockout**). Default value is **124**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **6-Door Events,** press **5-Keypad Lockout** (shortcut **6-2-6-5**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back** and **Save**.

6.2.6.6 Duress Alarm

The Duress Alarm code is a pager code that corresponds to a duress alarm. A Duress alarm is used by employees or tenants to signal for help (refer to section **8.1.2.3.6 Duress Mode**). Default value is **co**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **6-Door Events,** press **6-Duress Alarm** (shortcut **6-2-6-6**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back**, **#** and **Save**.

6.2.7 Access Events

Select the appropriate access event item(s), and for each one, specify a code that will identify the event reported to the pager.

6.2.7.1 Access Granted

The Access Granted code is a pager code that corresponds to an access granted event. An Access Granted code is sent when the tenant was granted access using his PIN or his access card. Default value is **140**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **1-Access Granted** (shortcut **6-2-7-1**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back** and **Save**.

6.2.7.2 Invalid Access Schedule

The Invalid Access Schedule code is a pager code that corresponds to an access demanded inside a schedule invalid for the tenant. An Invalid Access Schedule code is sent when the tenant was denied access using his PIN or his access card. Default value is **141**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **2-Inv Access Sch** (shortcut **6-2-7-2**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back** and **Save**.

6.2.7.3 Grant by Tenant

The Grant by Tenant code is a pager code that corresponds to an access granted by a tenant to a visitor. Default value is **142**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **3-Grnt by Tenant** (shortcut **6-2-7-3**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back** and **Save**.

6.2.7.4 Auxiliary by Tenant

The Auxiliary by Tenant code is a pager code that corresponds to an access granted by a tenant to a visitor at an auxiliary entrance (different from the main entrance). Default value is **143**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **4-Aux by Tenant** (shortcut **6-2-7-4**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back** and **Save**.

6.2.7.5 Deny by Tenant

The Deny by Tenant code is a pager code that corresponds to a access denied by a tenant to a visitor. Default value is **144**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **5- Deny by Tenant** (shortcut **6-2-7-5**).
2. Enter the pager code (values range from 001 to 999). Press **#**, **Back** and **Save**.

6.2.7.6 Tenant Traced

The Tenant Traced code is a pager code that corresponds to an access granted with the trace option enabled. Default value is **145**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **6-Tenant Traced** (shortcut **6-2-7-6**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.7.7 Disabled Tenant

The Disabled Tenant code is a pager code that corresponds to an access attempt from a tenant with an disabled status. Default value is **146**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **7-Disabled Tenant** (shortcut **6-2-7-7**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.2.7.8 Other Denied

The Other Denied code is a pager code that corresponds to an access demanded outside the range between the Start Date and the End Date (See section **1.8 Start and End Dates** for more information). Default value is **147**.

1. Press **6-Remote Access,** press **2-Pager Reporting**, press **7-Access Events,** press **8-Other Denied** (shortcut **6-2-7-8**).
2. Enter the pager code (values range from 001 to 999). Press #, **Back** and **Save**.

6.3 Ethernet

The Ethernet network can be used as a remote communication with EntraPass.

6.3.1 Ethernet Connection

To program, communicate events and accesses to the EntraPass software, the Ethernet option must be enabled in the **KTES**.

1. Press **6-Remote Access**, press **3-Ethernet** to display the connection status (**Y** or **N**).

6.3.2 Local

Configure these parameters to use a local IP address.

6.3.2.1 MAC Address

The MAC address is a unique address of an element that connects to a network. That address cannot be modified and is there for information only. It is also displayed in the System Info menu (refer to section **5.1.2 MAC Address**). Default value is the address of the unit.

1. Press **6-Remote Access**, press **3-Ethernet,** press **2-Local** (shortcut **6-3-2**)**.**
2. The **MAC** address is displayed on the LCD. Press **Back** and **Save**.

6.3.2.2 DHCP

The **DHCP** option is used to assign an IP address automatically to the KTES. Default value is **Y** (yes).

1. Press **6-Remote Access**, press **3-Ethernet**, press **2-Local,** press **2-DHCP** (shortcut **6-3-2-2**).
2. Press **2** again to toggle between **Y** and **N**. Press **Back** and **Save**.

6.3.2.3 IP

Means the IP address of the **KTES**. Default value is **192.168.001.002**.

1. Press **6-Remote Access**, press **3-Ethernet**, press **2-Local,** press **3-IP** (shortcut **6-3-2-3**).
2. Enter the local IP address (values range from 000.000.000.000 to 255.255.255.255**)**. Press #, **Back** and **Save**.

Note: **This option is available only when DHCP is set to N (no).**

6.3.2.4 SM

This is the mask that identifies the address related to the **KTES** sub-network. Default value is **255.255.255.255**.

1. Press **6-Remote Access**, press **3-Ethernet,** press **2-Local,** press **4-SM** (shortcut **6-3-2-4**).
2. Enter the Subnet Mask (values range from 000.000.000.000 to 255.255.255.255**)**. Press #, **Back** and **Save**.

Note: **This option is available only when DHCP is set to N (no).**

6.3.2.5 GW

This is the router IP address that is connected to the **KTES**, when the **KTES** is connected to Internet. Default value is **255.255.255.255**.

1. Press **6-Remote Access**, press **3-Ethernet,** press **2-Local,** press **5-GW** (shortcut **6-3-2-5**).
2. Enter the Gateway address (values range from 000.000.000.000 to 255.255.255.255**)**. Press #, **Back** and **Save**.

Note: **This option is available only when DHCP is set to N (no).**

6.3.2.6 DN

This is the DNS server IP address. Default value is **000.000.000.000**.

1. Press **6-Remote Access**, press **3-Ethernet,** press **2-Local,** press **6-DN** (shortcut **6-3-2-6**).
2. Enter the DNS address (values range from 000.000.000.000 to 255.255.255.255**)**. Press #, **Back** and **Save**.

Note: **This option is available only when DHCP is set to N (no).**

6.3.2.7 IP Port

This is the port number used by the **KTES** for the IP mode communication. Default value is **18810**.

1. Press **6-Remote Access**, press **3-Ethernet,** press **2-Local,** press **7-IP Port** (shortcut **6-3-2-7**).
2. Enter the local IP port (values range from 00000 to 32767). Press #, **Back** and **Save**.

6.3.3 EntraPass

Configure the EntraPass option in order to establish communication between the **KTES** and the EntraPass software.

6.3.3.1 IP

This is the EntraPass Local IP address. Default value is **000.000.000.000**.

1. Press **6-Remote Access**, press **3-Ethernet,** press **3-EntraPass,** press **1-IP** (shortcut **6-3-3-1**).
2. Enter the EntraPass local IP address (values range from 000.000.000.000 to 255.255.255.255**)**. Press **#, Back** and **Save**.

6.3.3.2 DN

This is a characters string that identifies the domain name linked to the EntraPass IP address (maximum 35 characters). Default value is **Empty**.

1. Press **6-Remote Access**, press **3-Ethernet,** press **3-EntraPass,** press **2-DN** (shortcut **6-3-3-2**).
2. Enter the domain name (20 alphanumerical characters maximum). Press **#, Back** and **Save**.

Note: Rapidly depress a key once to enter the first letter above the key number, twice to enter the second letter above the number and so on. You can use the **Next** key to enter the next letter or wait for the system to move to the next character.

Note: If a wrong domain name is entered through the unit interface, it will prevent all communication with EntraPass.

7.0 - Definition Menu

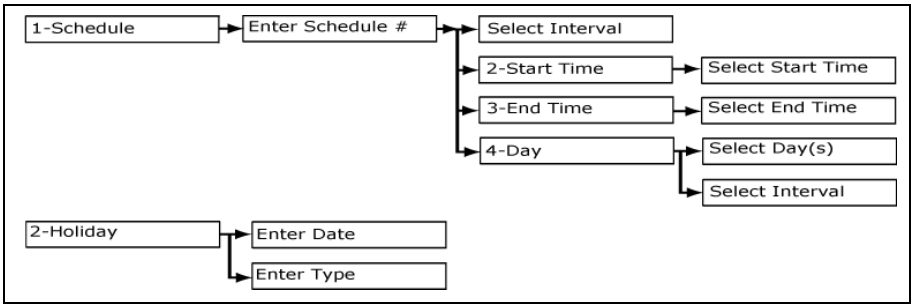

Figure 9: Definition Menu Flow Chart

7.1 Schedules

A schedule indicates when the system will execute certain operations such as automatically unlocking doors, permitting access to tenants or employees, etc. Default value for the schedule number is **Empty**. You can define a maximum of 99 schedules in the system.

Note: Schedules 00 and 01 have been pre assigned in the **KTES** and cannot be changed: 00 for ***never valid***, and 01 for ***always valid***.

7.1.1 Intervals

Each schedule is composed of four intervals. An interval represents a period of time in a day. Each interval has a starting and ending time. Each of these intervals can be individually selected for the seven days of the week, and for holidays. For example, you can define interval 1 as being 05:30 to 11:30 and interval 2 as being 14:00 to 18:30. Then you select the days of the week when these intervals are applicable:

- Interval 1 (05:30 to 11:30): Monday, Wednesday and Friday
- Interval 2 (14:00 to 18:30): Monday, Wednesday, Saturday and Sunday.

7.1.2 Start Time

This is the scheduled time when the interval becomes valid. It will become invalid when the end time has been reached. Default value **00:00**.

1. Press **7-Definition**, press **1-Schedule** (shortcut **7-1**). Enter a schedule number. Press **#**.
2. Select an interval number (01 to 04) by using the down arrow (right key). Press **Sel**.
3. Press **2-Start Time**. Enter the start time of the interval, valid values are from 00:00 to 24:00 (where 24:00 is equivalent to 00:00). Press **#**, **Back** and **Save**.

7.1.3 End Time

This is the scheduled time when the interval is no longer valid. Default value **00:00**.

1. Press **7-Definition**, press **1-Schedule** (shortcut **7-1**). Enter a schedule number. Press **#**.
2. Select an interval number (01 to 04) by using the down arrow (right key). Press **Sel**.
3. Press **3-End Time**. Enter the start time of the interval, valid values are from 00:00 to 24:00 (where 24:00 is equivalent to 00:00). Press **#**, **Back** and **Save**.

7.1.4 Day

You must select the days during which the schedule interval will be valid. The interval is not used when all days are unselected. Default value is **Empty**.

1. Press **7-Definition**, press **1-Schedule** (shortcut **7-1**). Enter a schedule number (values range from 01 to 99). Press **#**.
2. Select an interval number (01 to 04) by using the down arrow (right key). Press **Sel**.
3. Press **4-Day**. Select the days by pressing **Next** until you reach the letter that represents the day to select (for example, W corresponds to Wednesday), and then **Sel** to select the desired day(s) for which the interval is applicable. Press **Next** to move between holiday types.

4. Press **Sel** to select the desired holiday types for the selected interval. Press **#**, **Back** and **Save**.

7.2 Holidays

Up to 366 holidays of four different types can be programmed in the system. Default value for holiday is **Empty** (values range from 1 to 366).

7.2.1 Date

This is the holiday date in format as YY/MM/DD for year / month / date. YY is set to 00 when the holiday is recursive (always the same date) otherwise each holiday will be cleared at the end of the applicable day. Default value is **00/00/00**.

1. Press **7-Definition**, press **2-Holiday** (shortcut **7-2**). Enter a date for the holiday. Press **#**.
2. Specify which **Type** this date will be included in. For example, pressing 1 repeatedly will display - (non selected), X (selected) and R (recursive) for Type 1. Repeat the same procedure for each **Type** if applicable. Use ***** to go back without saving. Press **Save**.

Note: The **KTES** also proceeds to a validation of the date entered. For example, if you enter February 29th when it is not a leap year, you will hear three beeps indicating that the year entered is not valid. The same thing will occur if you enter a non existing day or month (13 for month, 55 for day, etc.).

Warning: When the recursive type is used and you try to configure the same date for a different year as a holiday, only the last one programmed in the system will be effective.

8.0 - Device Menu

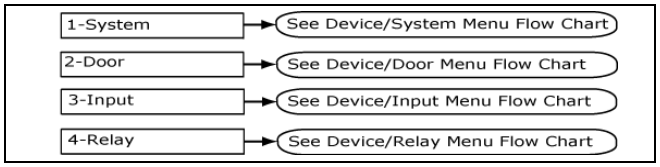

Figure 10: Device Menu (High Level) Flow Chart

The **Device** menu is used to define and configure the **KTES** general parameters.

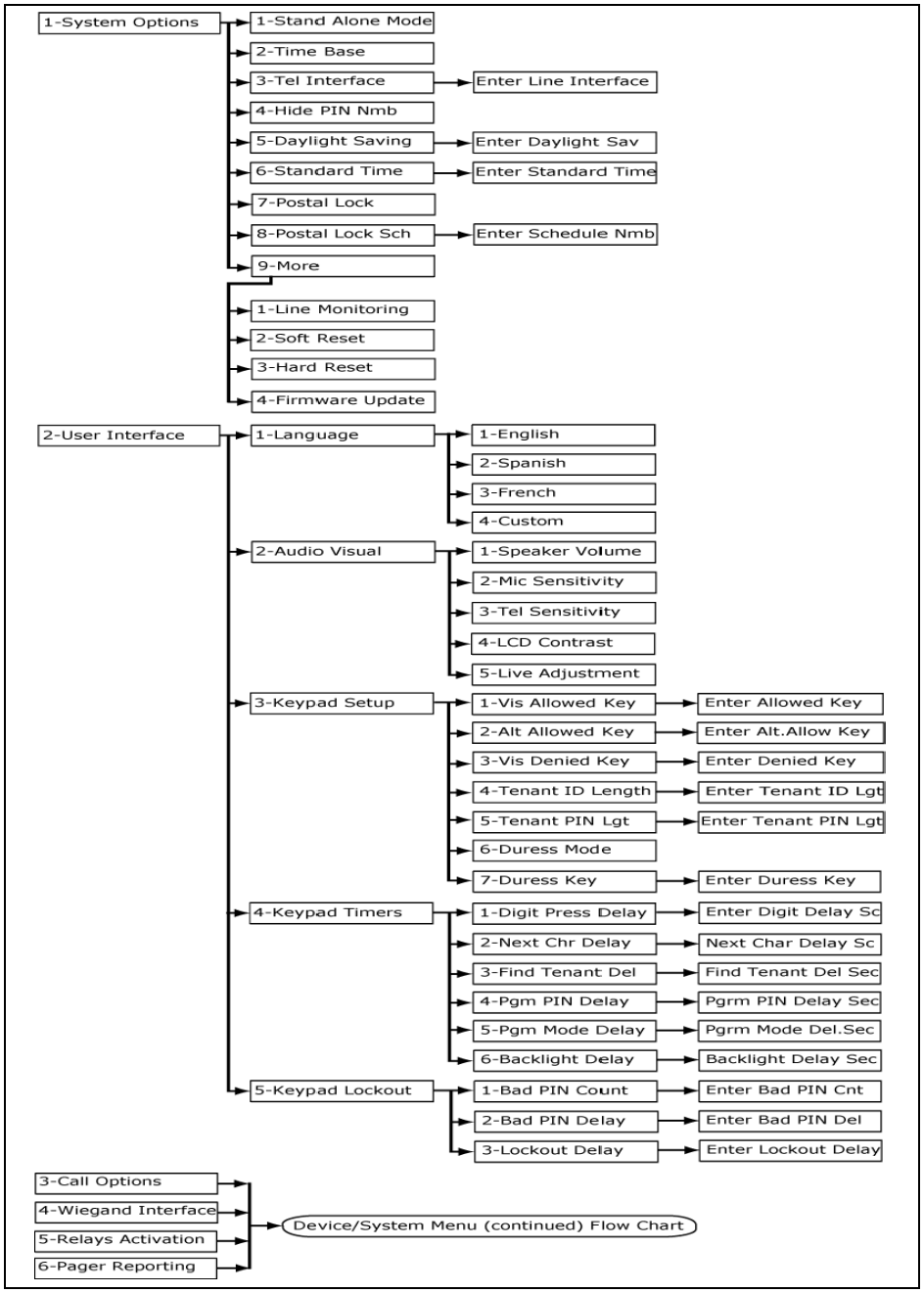

Figure 11: Device / System Menu Flow Chart

8.1 System

Use the System menu to define parameters for door events, relays activation, access events, inputs, reporting and for the **KTES** interface.

8.1.1 Options

The options contained in this menu are parameters directly related to the **KTES**.

8.1.1.1 Stand Alone Mode

The **KTES** can work in Pass-through mode or in Stand Alone Mode. In Stand Alone mode, the **KTES** operates without the Wiegand interface. In Pass-through mode, data signals coming from the Wiegand interface IN (data0 and data1) are transmitted as is to the Wiegand interface OUT. So when a card is inserted in a reader connected to the Wiegand IN, data are transmitted to the access controller connected to the Wiegand interface

OUT. This connection layout allows the **KTES** to transmit Wiegand codes to the access controller while sharing the same Wiegand line with the reader. The default value is **Y** (Yes) for stand alone mode enabled.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **1-Stand Alone Mode** (shortcut **8-1-1-1**).
2. Press **1** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.1.1.2 Time Base

Main time base comes from the AC power input (50 Hz or 60 Hz) for best accuracies over large operating temperatures. Time base will be automatically switched to internal Xtal in case of AC power failure. Time base can be forced to internal Xtal when DC power only or unstable AC source is used. Default value is **60 Hz**.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **2-Time Base** (shortcut **8-1-1-2**).
2. Press **2** again to toggle between **60Hz**, **50Hz** and **Xtal**. Press **Back** and **Save**.

8.1.1.3 Telephone Interface

The Telephone Interface parameter must be set to specify which telephone line country code should be used by the **KTES**. Default value is **00** for United States of America / Canada.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **3-Tel Interface** (shortcut **8-1-1-3**).
2. Enter the line interface. Press #, **Back** and **Save**.

Country or Mainland	Telephone Line Code	Country or Mainland	Telephone Line Code
USA/Canada	00	**Ireland**	16
Australia	01	**Italy**	17
Austria	02	**Latvia**	18
Belgium	03	***Unused***	19
Bulgaria	04	**Luxemburg**	20
Cyprus	05	**Malta**	21
Czech Republic	06	**Netherlands**	22
Denmark	07	**New Zealand**	23
Ecuador	08	**Poland**	24
El Salvador	09	**Portugal**	25
Unused	10	**Romania (Rumania)**	26
Finland	11	**Slovakia**	27
France	12	**Slovenia**	28
Germany	13	**Spain**	29
Greece	14	**Sweden**	30
Hungary	15	**United Kingdom**	31

Table 5: Telephone Country Codes

8.1.1.4 Hide Pin Number

Indicates if the **KTES** should hide the tenant's PIN numbers on the LCD when editing a tenant locally. Default value is **Y** (Yes).

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **4-Hide PIN Nmb** (shortcut **8-1-1-4**).
2. Press **4** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.1.1.5 Daylight Saving

This is the date at which the **KTES** change its time display to the daylight saving time in format MM/DD for month / date. Daylight saving occurs at 02:00 for selected date and cleared once occurred. Default value is **00/00** for not used.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **5-Daylight Sav** (shortcut **8-1-1-5**).
2. Enter the date. Press #, **Back** and **Save**.

8.1.1.6 Standard Time

This is the date at which the **KTES** change its time display to the standard time in format MM/DD for month / date. Return to the standard time occurs at 02:00 for selected date and cleared once occurred. Default value is **00/00** for not used.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **6-Standard Tim** (shortcut **8-1-1-6**).
2. Enter the date. Press **#**, **Back** and **Save**.

8.1.1.7 Postal Lock

This is the input number corresponding to the door postal lock. Enter **0** for not used. Default value is **2** for input number 2.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **7-Postal Lock** (shortcut **8-1-1-7**)
2. Enter the input number (values range from 0 to 4). Press **#**, **Back** and **Save**.

8.1.1.8 Postal Lock Schedule

This is the schedule inside which the input, corresponding to the postal lock, generates a valid postal lock request when that input is in alarm. Default value is **01** (access granted at all time).

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **8-Postal Lock Sch** (shortcut **8-1-1-8**)
2. Enter the schedule number (values range from 00 to 99). Press **#**, **Back** and **Save**.

Note: Refer to section **7.1 Schedules** for more information about schedules definition.

8.1.1.9 Line Monitoring

The telephone line is monitored when busy or disconnected when this option is selected. Default value is **Y** (Yes).

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **9-More**, press **1-Line Monitoring** (shortcut **8-1-1-9-1**).
2. Press **1** again to toggle between **Y** and **N**. Press **Back** and **Save**.

Note: In order to comply with the New Zealand Telepermit requirements, **Line Monitoring** must be turned on.

8.1.1.10 Soft Reset

This function allows the possibility to force a system soft reset directly from the keypad. A system soft reset resets the processor and internal peripherals of the **KTES**. All memory definitions and parameters are verified and kept intact if still valid. Internal event buffer is maintained if still valid. IP address is kept if applicable and still valid.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **9-More**, press **2-Soft Reset** (shortcut **8-1-1-9-2**).
2. Enter a valid **PIN** number with appropriate rights to confirm.

8.1.1.11 Hard Reset

This function allows the possibility to force a system hard reset directly from the keypad. A system hard reset resets the processor and internal peripherals of the **KTES** as well as the internal database. All memory definitions and parameters are cleared. Internal event buffer is cleared. IP address is kept if applicable and still valid. Internal clock is settled to default time and date, January 1st 2009, 00:00:00.

1. Press **8-Device,** press **1-System**, press **1-System Options,** press **9-More**, press **3-Hard Reset** (shortcut **8-1-1-9-3**).
2. Enter a valid **PIN** number with appropriate rights to confirm.

8.1.1.12 Firmware Update

This function allows the possibility to force a firmware update when the KTES is configured in standalone (not connected to the EntraPass) or in Dialup mode. Otherwise, manual firmware update is done through the EntraPass software when the KTES is used in RS-485 or Ethernet configuration. Laptop running KT-Finder software must be connected to the KTES Ethernet connector before enabling the firmware update menu. KTES reset will be done automatically after a successful firmware download, the updated firmware version can be confirmed by going back in Installer mode and pressing **5-System Info** (see section **5.1.3 Firmware Version**).

1. Press **8-Device**, press **1-System**, press **1-System Options,** press **9-More**, press **4-Firmware Update** (shortcut **8-1-1-9-4**).

2. Enter a valid **PIN** number with appropriate rights to confirm.

8.1.1.13 Restore List

This function scans the external tenant list information and restore the tenant links list.

1. Press **8-Device**, press **1-System**, press **1-System Options,** press **9-More**, press **5-Restore List** (shortcut **8-1-1-9-5**).
2. Enter a valid **PIN** number with appropriate rights to confirm

Note: The delay to restore a 3000 tenants list is about 3 minutes.

Note: The option is available only after a hard reset and when the unit works in stand-alone mode. Otherwise, the message “Option Unavailable” will be displayed.

Note: If a new tenant is created in the system before restoring the list, the entire tenant directory’s flash memory will be erased to prevent unwanted tenant definition in the external flash. The message “System busy” will then be displayed.

8.1.2 User Interface

This section covers all configurable parameters like language, audio, visual and delays of the User Interface.

8.1.2.1 Language

The **Language** menu covers the language setup of the User Interface.

8.1.2.1.1 English

To set the language to **English**. Default value is **M** (Main)**.**

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **1-Language,** press **1-English** (shortcut **8-1-2-1-1**).
2. Press **1** again to toggle between **M** (Main)**, E** (Enable) and **D** (Disable). Press **Back** twice and **Save**.

8.1.2.1.2 Español

To set the language to **Español**. Default value is **D** (Disable)**.**

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **1-Language,** press **2-Español** (shortcut **8-1-2-1-2**).
2. Press **2** again to toggle between **M** (Main)**, E** (Enable) and **D** (Disable). Press **Back** twice and **Save**.

8.1.2.1.3 Français

To set the language to **Français**. Default value is **D** (Disable).

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **1-Language,** press **3-Français** (shortcut **8-1-2-1-3**).
2. Press **3** again to toggle between **M** (Main)**, E** (Enable) and **D** (Disable). Press **Back** twice and **Save**.

8.1.2.1.4 Custom

To set the language to **Custom**. Default value is **D** (Disable).

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **1-Language,** press **4-Custom** (shortcut **8-1-2-1-4**).
2. Press **4** again to toggle between **M** (Main)**, E** (Enable) and **D** (Disable). Press **Back** twice and **Save**.

8.1.2.2 Audio Visual

The **Audio Visual** configuration covers the setup of speaker volume, microphone sensitivity, telephone sensitivity and liquid crystal display contrast. These parameters are specific to each **KTES** and its operating environment. Once settled, they are not affected even by a system hard reset or factory default (for more details on the procedure to follow to perform a Factory Default, refer to section 8 of the Installation Manual DN1769).

8.1.2.2.1 Speaker Volume

This option is used to decrease or increase the speaker volume of the **KTES**. Default value is **0**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **2-Audio Visual,** press **1-Speaker Volume** (shortcut **8-1-2-2-1**).
2. Press **1** again to adjust the volume (values range from -2 to 3). Press **Back** twice and **Save**.

Note: The volume level can be temporally changed during a call but will return to this setting when terminated.

8.1.2.2.2 Microphone Sensitivity

This option is used to decrease or increase the microphone sensitivity of the **KTES**. The value 0 (auto) is used to allow the **KTES** to adjust microphone sensitivity automatically according to the surrounding noise level. Default value is **0 (auto)**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **2-Audio Visual,** press **2-Mic Sensitivity** (shortcut **8-1-2-2-2**).
2. Press **2** again to adjust the sensitivity (values range from -5 to 5). Press **Back** twice and **Save**.

8.1.2.2.3 Telephone Sensitivity

This option is used to decrease or increase the resident's telephone voice detection threshold for communications with the **KTES**. Default value is **0**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **2-Audio Visual,** press **3-Tel Sensitivity** (shortcut **8-1-2-2-3**).
2. Press **3** again to adjust the sensitivity (values range from -5 to 5). Press **Back** twice and **Save**.

Note: The telephone sensitivity should be kept to the default value.

8.1.2.2.4 LCD Contrast

The contrast option is used to brighten (-10) or darken (+10) the LCD of the **KTES**. Default value is **0**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **2-Audio Visual,** press **4-LCD Contrast** (shortcut **8-1-2-2-4**).
2. Press **4** again to adjust the contrast (values range from -10 to 10). Press **Back** twice and **Save**.

8.1.2.2.5 Live Adjustment

The Live Adjustment option is used to force the adjustment of the microphone and the typical resident's telephone sensitivities live on the next **KTES** call. Selecting this option automatically logs out the user from the programming mode. The function is then enabled for the programming delay, calling a tenant will then force the **KTES** to display the audio setup menu for the Microphone and Typical Telephone Sensitivities. Maximum allowed time during the call to adjust these parameters is the programming delay.

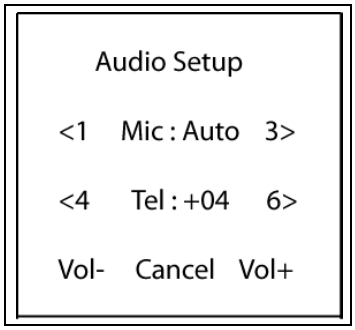

Figure 12: Audio Setup menu

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **2-Audio Visual,** press **5-Live Adjustment** (shortcut **8-1-2-2-5**).
2. Use the **1** and **3** keys to adjust microphone sensitivity and the **4** and **6** keys to adjust telephone sensitivity.
3. Press **Back** and **Save**.

8.1.2.3 Keypad Setup

The keypad configuration menu covers all the parameters related to the keypad usage.

8.1.2.3.1 Visitor Allowed Key

The visitor allowed key can be used by a tenant to grant access to a visitor. The default value is **9**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup**, press **1-Vis Allowed Key** (shortcut **8-1-2-3-1**).

2. Enter up to two characters for the Visitor Allowed key. Press #, **Back** twice and **Save**.

8.1.2.3.2 Alternate Allowed Key

The alternate allowed key can be used to grant access to a visitor that is using a secondary entrance. Default value is **Empty**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup,** press **2-Alt Allowed Key** (shortcut **8-1-2-3-2**).
2. Enter up to two characters for the Alternate Allowed key. Press #, **Back** twice and **Save**.

8.1.2.3.3 Visitor Denied Key

The visitor denied access key can be used by a tenant to deny access to a visitor. Default value is *****.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup**, press **3-Vis Denied Key** (shortcut **8-1-2-3-3**).
2. Enter up to two characters for the Visitor Denied key. Press #, **Back** twice and **Save**.

8.1.2.3.4 Tenant ID Length

Use this parameter to set the tenant's ID string length. This will be the string length available to enter the tenant's ID. Default value is **4**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup,** press **4-Tenant ID Length** (shortcut **8-1-2-3-4**).
2. Enter the tenant's ID length (values range from 1 to 5). Press #, **Back** twice and **Save**.

8.1.2.3.5 Tenant PIN Length

Use this parameter to set the tenant's PIN length. This will be the length available to enter the tenant's PIN. Default value is **4**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup,** press **5-Tenant PIN Length** (shortcut **8-1-2-3-5**).
2. Enter the tenant's PIN length (values range from 4 to 6). Press #, **Back** twice and **Save**.

8.1.2.3.6 Duress Mode

Use this parameter to set the **Duress Mode**. A duress alarm is used by employees or tenants to signal for help. A duress alarm can be set to occur on: granted only (Granted), denied only (Denied) or granted and denied access (Both). Default value is **Disabled**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup,** press **6-Duress Mode** (shortcut **8-1-2-3-6**).
2. Press **6** again to toggle between the four different modes: Disabled, Granted, Denied and Both. Press **Back** twice and **Save**.

8.1.2.3.7 Duress Key

Set this parameter to configure the symbol that will activate the duress functions. A duress alarm is used by employees or tenants to signal for help. Duress function must be previously enabled to operate (see section **8.1.2.3.6 Duress Mode**). After the '*', the **PIN** is entered followed by the duress key. Default value is **9**.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **3-Keypad Setup,** press **7-Duress Key** (shortcut **8-1-2-3-7**).
2. Enter a character for the duress key. Press #, **Back** twice and **Save**.

8.1.2.4 Keypad Timers

The **Keypad Timers** menu covers all the delays parameter related to the keypad usage.

8.1.2.4.1 Digit Press Delay

The **Digit Press Delay** is the maximum delay in seconds allowed between each key press before cancelling a beginning sequence for a **PIN** or ID code entrance. Default value is **5** seconds.

1. Press **8-Device,** press **1-System**, Press **2-User Interface,** press **4-Keypad Timers,** Press **1-Dgt Prss Delay** (shortcut **8-1-2-4-1**).
2. Enter the delay (values range from 5 to 255 seconds). Press #, **Back** twice and **Save**.

8.1.2.4.2 Next Character Delay

The **Next Character Delay** is the maximum delay in seconds allowed between each key press before considering a next character entrance when entering a text string at the keypad. Enter 0 to deactivate this feature. Default value is **2** seconds.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **4-Keypad Timers,** press **2-Next Chr Delay** (shortcut **8-1-2-4-2**).
2. Enter the delay (values range from 0 to 255 seconds). Press #, **Back** twice and **Save**.

8.1.2.4.3 Find Tenant Delay

After pressing the **Find** option key, the **Find Tenant Delay** is the maximum delay in seconds allowed between each key press before cancelling a find sequence. Default value is **20** seconds.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **4-Keypad Timers,** press **3-Find Tnt Delay** (shortcut **8-1-2-4-3**).
2. Enter the delay (values range from 5 to 255 seconds). Press #, **Back** twice and **Save**.

8.1.2.4.4 Program PIN Delay

The **Program PIN Delay** is the maximum delay in seconds allowed to enter a complete valid **PIN** number before entering in system programming mode. Default value is **20** seconds.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **4-Keypad Timers,** press **4-Pgm PIN Delay** (shortcut **8-1-2-4-4**).
2. Enter the delay (values range from 5 to 255 seconds). Press #, **Back** twice and **Save**.

8.1.2.4.5 Program Mode Delay

The **Program Mode Delay** is the maximum delay in seconds allowed between each key press before exiting from the programming mode and returning to the **Welcome Messages**. Default value is **120** seconds.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **4-Keypad Timers,** press **5-Pgm Mode Delay** (shortcut **8-1-2-4-5**).
2. Enter the delay (values range from 5 secs to 9 min 59 secs). Press #, **Back** twice and **Save**.

8.1.2.4.6 Backlight Delay

The **Backlight Delay** is the maximum delay in seconds of inactivity before the LCD backlight turns low. Enter 0 to deactivate this feature. Default value is **20** seconds.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **4-Keypad Timers,** press **6-Backlight Delay** (shortcut **8-1-2-4-6**).
2. Enter the delay (values range from 0 to 255 seconds). Press #, **Back** twice and **Save**.

8.1.2.5 Keypad Lockout

The **Keypad Lockout** option allows you to define the maximum number of invalid **PIN** with the keypad lockout duration.

8.1.2.5.1 Bad PIN Count

This is the maximum consecutive invalid PIN entries allowed before the system locks the keypad. Default value is **00** for inactive.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **5-Keypad Lockout,** press **1-Bad PIN Count** (shortcut **8-1-2-5-1**).
2. Enter the count number (values range from 0 to 31). Press #, **Back** twice and **Save**.

8.1.2.5.2 Bad PIN Delay

This is the maximum delay in seconds of inactivity after a bad **PIN** entry before the system resets the bad **PIN** counter and returns to normal operation. Default value is **60** seconds.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **5-Keypad Lockout,** press **2-Bad PIN Delay** (shortcut **8-1-2-5-2**).
2. Enter the delay (values range from 5 to 255 seconds). Press #, **Back** twice and **Save**.

8.1.2.5.3 Lockout Delay

This is the time duration in minutes for which the keypad stays locked after a certain number of bad PIN entries (refer to section **8.1.2.5.1 Bad PIN Count**). Default value is **2** minutes.

1. Press **8-Device,** press **1-System**, press **2-User Interface,** press **5-Keypad Lockout,** press **3-Lockout Delay** (shortcut **8-1-2-5-3**).
2. Enter the delay (values range from 1 to 255). Press **#**, **Back** twice and **Save**.

8.1.3 Call Options

The **Call Options** menu covers all the required parameters related to the communication between a visitor and a tenant.

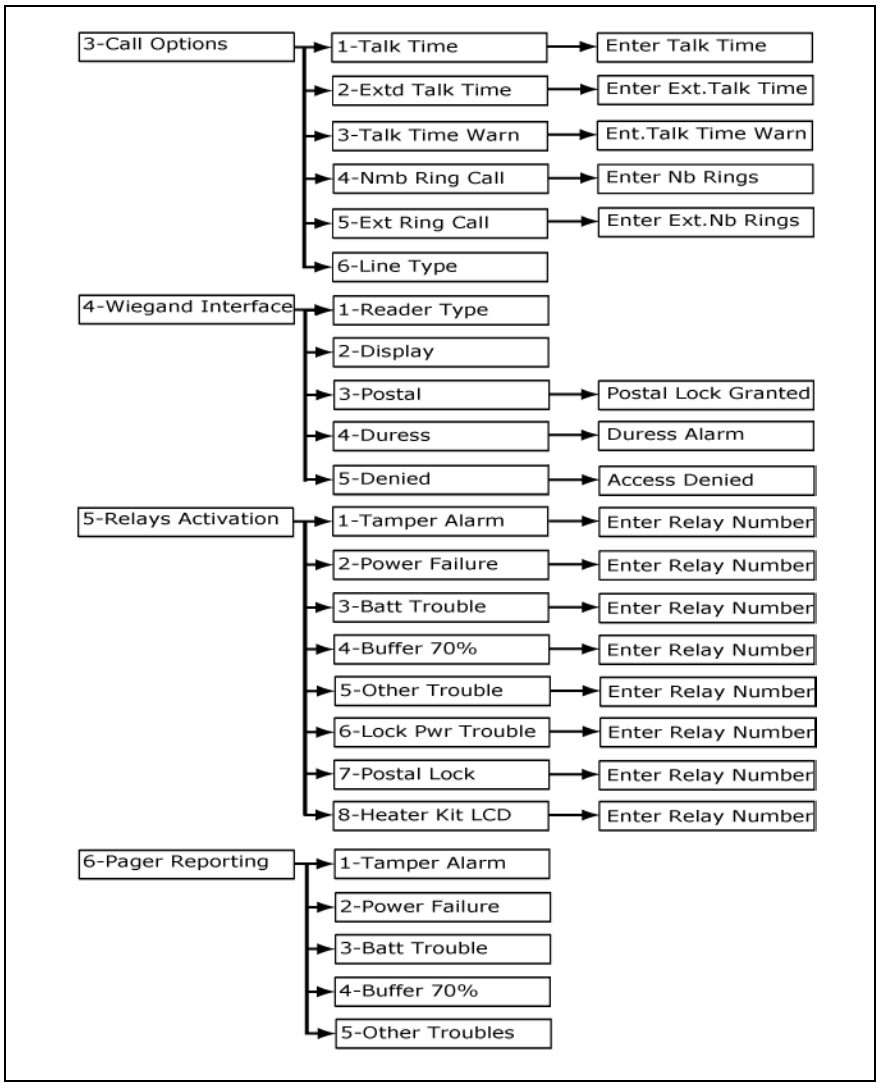

Figure 13: Device / System Menu (continued) Flow Chart

8.1.3.1 Talk Time

This is the maximum talk duration in seconds for a normal call between a visitor and a tenant. Default value is **40** seconds.

1. Press **8-Device,** press **1-System**, press **3-Call Options,** press **1-Talk Time** (shortcut **8-1-3-1**).
2. Enter the talk time (values range from 10 secs to 59min 59 secs). Press **#**, **Back** and **Save**.

8.1.3.2 Extended Talk Time

This is the maximum talk duration in seconds for a extended call between a visitor and a tenant. Default value is **60** seconds.

1. Press **8-Device,** press **1-System**, press **3-Call Options,** press **2-Extd Talk Time** (shortcut **8-1-3-2**).
2. Enter the extended talk time (values range from 10 secs to 59min 59 secs). Press **#**, **Back** and **Save**.

Note: The Extended delays option must have been previously enabled for this function to work (refer to section **1.10.2 Extended Delays**).

8.1.3.3 Talk Time Warning

The system sends a warning ring (a beep sound), a certain number of seconds (depending on the value entered) to indicate the end of the allowed talking period (refer to section **8.1.3.1 Talk Time**). Default value is **10** seconds.

1. Press **8-Device,** press **1-System**, press **3-Call Options,** press **3-Talk Time Warn** (shortcut **8-1-3-3**).
2. Enter the duration (values range from 1 secs to 59min 59 secs). Press #, **Back** and **Save**.

8.1.3.4 Number of Rings

This is the maximum number of rings allowed for a tenant to answer. Default value is **05**.

1. Press **8-Device,** press **1-System,** press **3-Call Options,** press **4-Nmb Ring Call** (shortcut **8-1-3-4**).
2. Enter the number (values range from 4 to 16). Press #, **Back** and **Save**.

8.1.3.5 Extended Number of Rings

This is the maximum number of rings allowed, for a tenant with the extended option, to answer. Default value is **10**.

1. Press **8-Device,** press **1-System**, press **3-Call Options,** press **5-Ext Ring Call** (shortcut **8-1-3-5**).
2. Enter the number (values range from 4 to 16). Press #, **Back** and **Save**.

8.1.3.6 Line Type

Set this parameter to select the telephone line type used by the system. Default value is **TONE**.

1. Press **8-Device,** press **1-System**, press **3-Call Options,** press **6-Line Type** (shortcut **8-1-3-6**).
2. Press **6** again to toggle between the two different types **TONE** or **PULSE**. Press **Back** and **Save**.

Warning: Pulse dialing cannot be used in New Zealand.

8.1.4 Wiegand Configuration

The Wiegand Interface is used to connect the **KTES** to an access controller. Refer to section **8.1.1.1 Stand Alone Mode** for more information on the Wiegand interface operation modes.

8.1.4.1 Reader Type

This is the Wiegand interface format used with a card reader or when integrated to an access controller. Four modes are possible: XSF, KSF, 26-bit and 34-bit Wiegand. Default value is **26b**.

1. Press **8-Device,** press **1-System**, press **4-Wiegand Interface,** press **2-Reader Type** (shortcut **8-1-4-2**).
2. Press **2** again to toggle between the different formats. Press **Back** and **Save**.

Note: A fifth reader type can be added from EntraPass. It can be selected under the **Custom** mode.

8.1.4.2 Display

This is the numbering format for displaying and entering Wiegand output cards. Default value is **HH:DDDDD**.

1. Press **8-Device,** press **1-System**, press **4-Wiegand Interface,** press **3-Display** (shortcut **8-1-4-3**).
2. Press **3** again to toggle between the different formats (choices are HH:DDDDD, HHHH:DDDDD, DDDDDDDD, DDDDDDDDDD, HH:HHHH and HHHH:HHHH). Press **Back** and **Save**.

Note: HH:DDDDD means that the first two characters are hexadecimal and the other ones are digits. H for hexadecimal and D for decimal (numeral).

8.1.4.3 Postal

This is the card number generated by the Wiegand output when the postal lock is activated. Default value is **00:00000** for not used.

1. Press **8-Device,** press **1-System**, press **4-Wiegand Interface,** press **4-Postal** (shortcut **8-1-4-4**).
2. Enter the card number. Press #, **Back** and **Save**.

8.1.4.4 Duress

This is the card number generated by the Wiegand output when a duress is enabled and activated. A Duress alarm is used by employees or tenants to signal for help. Default value is **00:00000** for not used.

1. Press **8-Device,** press **1-System**, press **4-Wiegand Interface,** press **5-Duress** (shortcut **8-1-4-5**).
2. Enter the card number. Press #, **Back** and **Save**.

8.1.4.5 Access Denied

This is the card number generated by the Wiegand output when the **PIN** entered with the keypad is not valid. Default value is **00:00000** for not used.

1. Press **8-Device,** press **1-System**, press **4-Wiegand Interface,** press **6-Denied** (shortcut **8-1-4-6**).
2. Enter the card number. Press #, **Back** and **Save**.

8.1.5 Relays Activation

This **Relays Activation** menu offers the possibility of activating a relay for covered system events.

8.1.5.1 Tamper Alarm

This is the relay number that can be activated when a **KTES** tamper switch occurs. Default value is **0** for not used.

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **1-Tamper Alarm** (shortcut **8-1-5-1**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.2 Power Failure

This is the relay number that can be activated when a **KTES** AC power failure occurs. Default value is **0** for not used.

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **2-Power Fail** (shortcut **8-1-5-2**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.3 Battery Trouble

Relay that will be activated if the 12 volts standby battery is disconnected or comes low (under 11.5 volts DC). Default value is **0** (no relay).

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **3-Batt trouble** (shortcut **8-1-5-3**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.4 Buffer 70%

Relay that will be activated if the event buffer for the EntraPass software has reach a 70% capacity. Default value is **0** (no relay).

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **4-Buffer 70%** (shortcut **8-1-5-4**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.5 Other Trouble

Relay that will be activated when any general trouble other than the ones mentioned above occurs. Default value is **0** (no relay).

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **5-Other Trouble** (shortcut **8-1-5-5**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.6 Lock Power Trouble

Relay that will be activated when a power trouble occurs to a lock. Default value is **0** (no relay).

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **6-Lock Pwr Trouble** (shortcut **8-1-5-6**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.7 Postal Lock

Relay that will be activated when a postal lock trouble occurs. Default value is **0** (no relay).

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **7-Postal Lock** (shortcut **8-1-5-7**).

2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.5.8 Heater Kit

Relay that will be activated when cabinet inside temperature falls below +5^{o}C. Default value is **0** (no relay).

1. Press **8-Device,** press **1-System**, press **5-Relay Activation,** press **8-Heater Kit LCD** (shortcut **8-1-5-8**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.1.6 Pager Reporting

Pager reporting is an option that can be used to transmit critical events to a pager via the **KTES** telephone line. For each event, choices are **Y** (Yes) for call Immediately, **N** (No) for never call and **S** (schedule) for call according to a specific schedule (refer to section **6.2.2 Call Schedule** to configure the schedule number from which the **KTES** can communicate programmed events, alarms and troubles to the pager).

8.1.6.1 Tamper Alarm

This option determines if a tamper switch alarm should be reported to a pager. Default value is **N** (No).

1. Press **8-Device,** press **1-System**, press **6-Pager Reporting,** press **1-Tamper Alarm** (shortcut **8-1-6-1**).
2. Press **1** again to toggle between **Y**, **N** and **S**. Press **Back** and **Save**.

8.1.6.2 Power Failure

This option determines if an AC power failure problem should be reported to a pager. Default value is **N** (No).

1. Press **8-Device,** press **1-System**, press **6-Pager Reporting,** press **2-Power Fail** (shortcut **8-1-6-2**).
2. Press **2** again to toggle between **Y**, **N** and **S**. Press **Back** and **Save**.

8.1.6.3 Battery Trouble

This option determines if a battery problem should be reported to a pager. Default value is **N** (No).

1. Press **8-Device,** press **1-System**, press **6-Pager Reporting,** press **3-Batt trouble** (shortcut **8-1-6-3**).
2. Press **3** again to toggle between **Y**, **N** and **S**. Press **Back** and **Save**.

8.1.6.4 Buffer 70%

This option determines if a buffer 70% event should be reported to a pager. The Buffer 70% event occurs when the event buffer for the EntraPass software has reach a 70% capacity. Default value is **N** (No).

1. Press **8-Device,** press **1-System**, press **6-Pager Reporting,** press **4-Buffer 70%** (shortcut **8-1-6-4**).
2. Press **4** again to toggle between **Y**, **N** and **S**. Press **Back** and **Save**.

8.1.6.5 Other Troubles

This option determines if a problem related to any troubles other than the ones mentioned above should be reported to a pager. Default value is **N** (No).

1. Press **8-Device,** press **1-System**, press **6-Pager Reporting,** press **5-Other Troubles** (shortcut **8-1-6-5**).
2. Press **5** again to toggle between **Y**, **N** and **S**. Press **Back** and **Save**.

8.2 Door

The **Door** menu covers the door operation, supervision, relay activation and event reporting.

Note: Some of the menu options configured from the **KTES** are effective in Stand Alone Mode only.

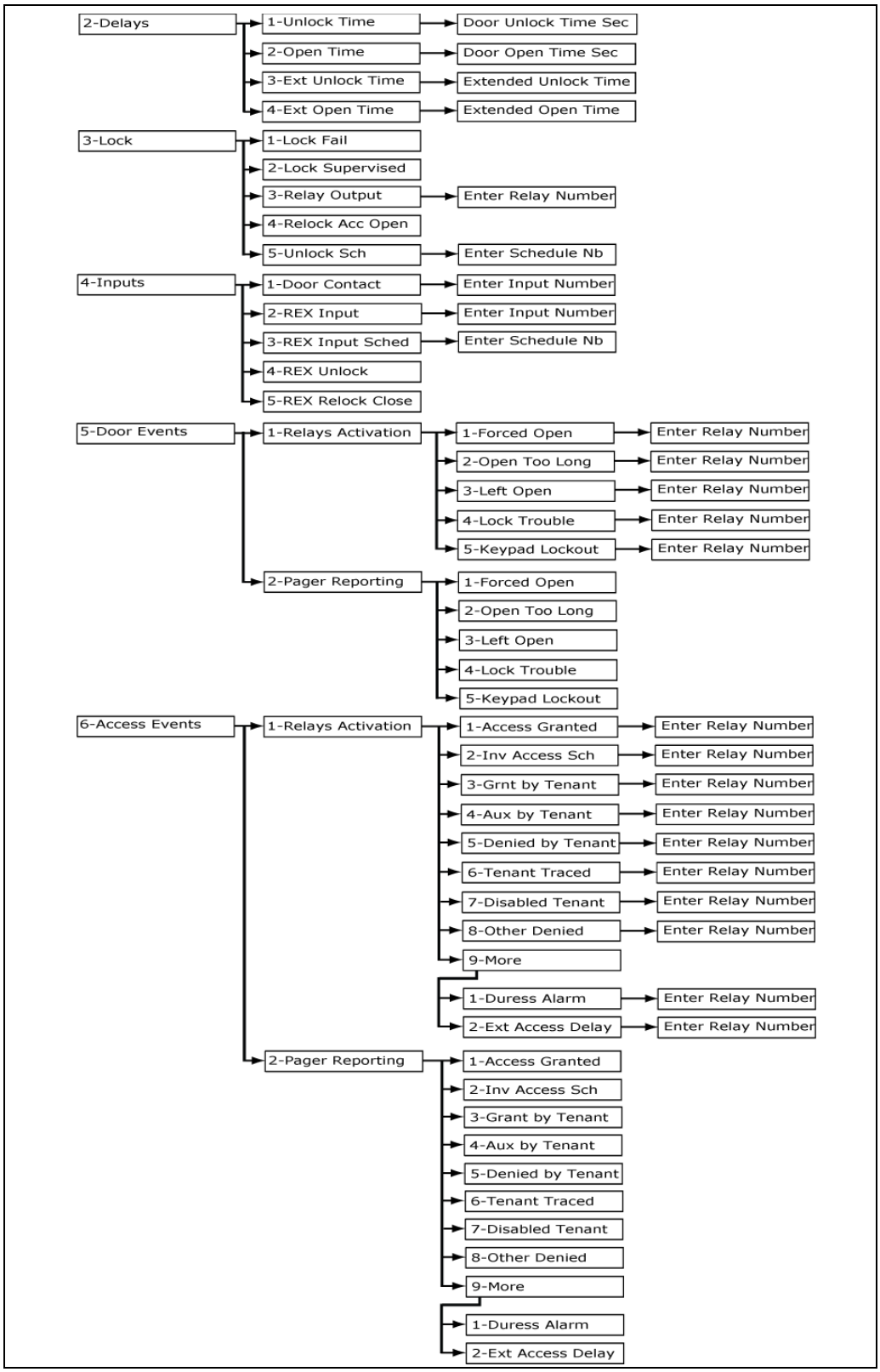

Figure 14: Device / Door menu Flow Chart

8.2.2 Delays

Use the Delays options to configure the opening and unlocking door time delays.

8.2.2.1 Unlock Time

The unlock time is the time in seconds during which a door could stay unlocked after a postal lock, REX, access granted or a visitor allowed by a tenant. Default value is **10** seconds.

1. Press **8-Device**, press **2-Door,** press **2-Delays**, press **1-Unlock Time** (shortcut **8-2-2-1**).
2. Enter the unlock time in seconds (values range from 1 to 65535 seconds). Press **#**, **Back** and **Save**.

8.2.2.2 Open Time

The door open time is the time in seconds during which a door could stay opened after opening from a postal lock, REX, access granted or a visitor allowed by a tenant. Default value is 30 seconds.

1. Press **8-Device**, press **2-Door,** press **2-Delays,** press **2-Open Time** (shortcut **8-2-2-2**).
2. Enter the open time in seconds (values range from 1 to 65535 seconds). Press #, **Back** and **Save**.

8.2.2.3 Extended Unlock Time

The extended unlock time is the time in seconds during which a door could stay unlocked after access granted or a visitor was allowed by a tenant with the extended delays option (refer to section **1.10.2 Extended Delays**). Default value is 40 seconds.

1. Press **8-Device,** press **2-Door,** press **2-Delays,** press **3-Ext Unlock T** (shortcut **8-2-2-3**).
1. Enter the extra time in seconds (values range from 1 to 65535 seconds). Press #, **Back** and **Save**.

Note: Extended delays are generally used to meet disability requests.

8.2.2.4 Extended Open Time

The extended open time is the time in seconds during which a door could stay opened after opening from an access granted or a visitor allowed by a tenant with the extended delays option (refer to section **1.10.2 Extended Delays**). Default value is 120 seconds.

1. Press **8-Device,** press **2-Door,** press **2-Delays,** press **4-Ext Open Tim** (shortcut **8-2-2-4**).
2. Enter the extra time in seconds (values range from 1 to 65535 seconds). Press #, **Back** and **Save**.

Note: Extended delays are generally used to meet disability requests.

8.2.3 Lock

This section covers the options concerning the door locking device configurations.

8.2.3.1 Lock Fail

When the lock output is used, this option defines the door locking mechanism connected to the **KTES**. The choices are **Fail Safe** when the door is unlocked when not powered or **Fail Secure** when the door is locked when not powered. Default value is **Fail Secure**.

1. Press **8-Device,** press **2-Door,** press **3-Lock,** press **1-Lock Fail** (shortcut **8-2-3-1**).
2. Press **1** again to toggle between the two options (**Fail, Secure**). Press **Back** and **Save**.

8.2.3.2 Lock Supervised

When the lock output is used, this is set to **Yes** if the door locking mechanism connected to the **KTES** has to be supervised. A failure will be reported if the lock is disconnected or externally forced low. Default value is **Yes**.

1. Press **8-Device,** press **2-Door,** press **3-Lock,** press **2-Lock Supervised.**
2. Press **2** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.2.3.3 Relay Output

When the lock output is not used, this defines the relay number associated to the lock output. Default value is relay number **0** (not used).

1. Press **8-Device,** press **2-Door,** press **3-Lock,** press **3-Relay Output.**
2. Enter the relay number (values range from 0 to 3). Press #, **Back** and **Save**.

8.2.3.4 Relock Access Open

This option is used to indicate that the door lock will deactivate as soon as the door opens after an access granted. If you choose **No**, the door will relock once closed. Default value is **Y** (Yes).

1. Press **8-Device,** press **2-Door,** press **3-Lock,** press **4-Relock Acc Open** (shortcut **8-2-3-4**).
2. Press **4** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.2.3.5 Unlock Schedule

This is the schedule inside which the door is automatically unlocked. Default value is **00**.

1. Press **8-Device,** press **2-Door,** press **3-Lock,** press **5-Unlock Sch** (shortcut **8-2-3-5**).
2. Enter the schedule number (values range from 00 to 99). Press **#**, **Back** and **Save**.

Note: Refer to section **7.1 Schedules** for more information about schedules definition.

8.2.4 Inputs

This section covers the inputs that could be associated to the door operation.

8.2.4.1 Door Contact

This is the input number corresponding to the door contact. Default value is **1** for input number 1.

1. Press **8-Device,** press **2-Door,** press **4-Inputs,** press **1-Door Contact** (shortcut **8-2-4-1**).
2. Enter the input number (values range from 0 to 4). Press **#**, **Back** and **Save**.

8.2.4.2 REX Input

This is the input number corresponding to the door REX. Default value is **0** for not used.

1. Press **8-Device,** press **2-Door,** press **4-Inputs,** press **2-Rex Input** (shortcut **8-2-4-2**).
2. Enter the input number (values range from 0 to 4). Press **#**, **Back** and **Save**.

8.2.4.3 REX Input Schedule

This is the schedule inside which the input, corresponding to the door REX, generates a valid request to exit. Default value is **01** (always valid).

1. Press **8-Device,** press **2-Door,** press **4-Inputs,** press **3-Rex Input Schedule** (shortcut **8-2-4-3**).
2. Enter the schedule number (values range from 00 to 99). Press **#**, **Back** and **Save**.

Note: Refer to section **7.1 Schedules** for more information about schedules definition.

8.2.4.4 REX Unlock

This option is used to indicate that the door will unlock following a request to exit. Default value is **Y** (Yes).

1. Press **8-Device,** press **2-Door,** press **4-Inputs,** press **4-Rex Unlock** (shortcut **8-2-4-4**).
2. Press **4** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.2.4.5 REX Relock Close

This option is used to indicate that the door will relock as soon as the door is closed following a valid request to exit. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **4-Inputs,** press **5-Rex Relock Close** (shortcut **8-2-4-5**)
2. Press **5** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.2.5 Door Events

The **Door Events** menu contains different parameters that can be configured to activate relays and/or report on pager for selected events.

8.2.5.1 Relays Activation

The Relays Activation submenu allows selected door events to activate one of the local relays.

Note: Refer to section **8.4.2 Activation Time**, for more information about the time delays before for the activation of a relay on a temporary action

8.2.5.1.1 Forced Open

This parameter defines the relay to be activated in the event of a door forced open. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **1-Relays Activation**, press **1-Forced Open** (shortcut **8-2-5-1-1**).
2. Enter the relay number (values range from 0 to 3). Press **#**, **Back** twice and **Save**.

8.2.5.1.2 Open Too Long

This parameter defines the relay to be activated in the event of a door kept opened for too long. A door Open Too Long event occurs when the door has been left open for a time that exceeds the open time delay (refer to section **8.2.2 Delays**) following an access with a PIN, an access card, a REX, the postal lock or a visitor allowed. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **1-Relays Activation**, press **2-Open Too Long** (shortcut **8-2-5-1-2**).
2. Enter the relay number (values range from 0 to 3). Press **#**, **Back** twice and **Save**.

8.2.5.1.3 Left Open

This parameter defines the relay to be activated in the event of a door left opened after being re locked manually or at the end of an automatic unlocking schedule. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **1-Relays Activation**, press **3-Left Open** (shortcut **8-2-5-1-3**).
2. Enter the relay number (values range from 0 to 3). Press **#**, **Back** twice and **Save**.

8.2.5.1.4 Lock Trouble

This parameter defines the relay to be activated in the event of a door lock problem, locking device disconnected or shorted to ground. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **1-Relays Activation,** press **4-Lock Trouble** (shortcut **8-2-5-1-4**).
2. Enter the relay number (values range from 0 to 3). Press **#**, **Back** twice and **Save**.

8.2.5.1.5 Keypad Lockout

This parameter defines the relay to be activated when the maximum number of invalid PIN is reached with the keypad lockout option enabled. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **1-Relays Activation**, press **5-Keypad Lockout** (shortcut **8-2-5-1-5**).
2. Enter the relay number (values range from 0 to 3). Press **#**, **Back** twice and **Save**.

Note: Refer to section **8.1.2.5 Keypad Lockout** for parameters controlling the keypad lockout function.

8.2.5.2 Pager Reporting

The Pager Reporting menu allow selected events to be reported on pager. For each event, choices are **Y** (Yes) for call Immediately, **N** (No) for never call and **S** (schedule) for call according to a specific schedule (refer to section **6.2.2 Call Schedule** to configure the schedule number from which the **KTES** can communicate programmed events, alarms and troubles to the pager).

Note: Refer to section **6.2 Pager Reporting** for more information about the configuration of pager codes.

8.2.5.2.1 Forced Open

This parameter indicates whether door forced open events should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **2-Pager Reporting**, press **1-Forced Open** (shortcut **8-2-5-2-1**).
2. Press **1** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.5.2.2 Open Too Long

This parameter indicates whether door open too long event should be reported on a pager. A door Open Too Long event occurs when the door has been left open for a time that exceeds the open time delay (refer to section **8.2.2 Delays**) following an access with a PIN, an access card, a REX, the postal lock or a visitor allowed. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **2-Pager Reporting**, press **2-Open Too Long** (shortcut **8-2-5-2-2**).
2. Press **2** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.5.2.3 Left Open

This parameter indicates whether door left open events should be reported on a pager. A door **Left Open** event occurs when the door has been unlocked manually or following an unlock schedule and still opened when relock. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **2-Pager Reporting**, press **3-Left Open** (shortcut **8-2-5-2-3**).
2. Press **3** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.5.2.4 Lock Trouble

This parameter indicates whether door lock trouble events should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **5-Door Events,** press **2-Pager Reporting**, press **4-Lock Trouble** (shortcut **8-2-5-2-4**).
2. Press **4** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.5.2.5 Keypad Lockout

This parameter indicates whether keypad lockout events should be reported on a pager. Default value is **N** (No).

1. Press **8-Device**, press **2-Door,** press **5-Door Events,** press **2-Pager Reporting**, press **5-Keypad Lockout** (shortcut **8-2-5-2-5**).
2. Press **5** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6 Access Events

The **Access Events** menu contains different parameters that can be configured to activate relays and/or report on pager for selected events.

8.2.6.1 Relays Activation

The **Relays Activation** menu allows selected access events to activate one of the local relays.

8.2.6.1.1 Access Granted

This option defines the relay number to be activated for a access granted event. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **1-Access Granted** (shortcut **8-2-6-1-1**)
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.2 Invalid Access Schedule

This option defines the relay number to be activated for an access demanded inside a schedule invalid for the tenant. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **2-Inv Access Sch** (shortcut **8-2-6-1-2**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.3 Grant by Tenant

This option defines the relay number to be activated for an access granted by a tenant to a visitor. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **3-Grant by Tenant** (shortcut **8-2-6-1-3**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.4 Auxiliary by Tenant

This option defines the relay number to be activated for an access granted by a tenant to a visitor at an auxiliary entrance (different from the main entrance). Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **4-Auxiliary by Tenant** (shortcut **8-2-6-1-4**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.5 Deny by Tenant

This option defines the relay number to be activated for an access denied by a tenant to a visitor. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **5-Deny by Tenant** (shortcut **8-2-6-1-5**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.6 Tenant Traced

This option defines the relay number to be activated for a tenant traced event. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **7-Tenant Traced** (shortcut **8-2-6-1-7**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.7 Disabled Tenant

This option defines the relay number to be activated for a tenant with disabled status event. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **8-Disabled Tenant** (shortcut **8-2-6-1-8**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.8 Other Denied

This option defines the relay number to be activated for an access demanded outside the range between the Start Date and the End Date (See section **1.8 Start and End Dates** for more information). Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **8-Other Denied** (shortcut **8-2-6-1-8**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.9 Duress Alarm

This option defines the relay number to be activated for a duress alarm. A Duress alarm is used by employees or tenants to signal for help (refer to section **8.1.2.3.6 Duress Mode**). Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **9-More**, press **1-Duress Alarm** (shortcut **8-2-6-1-9-1**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.1.10 Extended Access Delay

This option defines the relay number to be activated for an entry with an extended delay. Refer to section **1.10.2 Extended Delays** for more information. Default value is **0**.

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **1-Relays Activation**, press **9-More,** press **2-Ext Access Delay** (shortcut **8-2-6-1-9-2**).
2. Enter the relay number (values range from 0 to 3). Press #, **Back** twice and **Save**.

8.2.6.2 Pager Reporting

The Pager Reporting menu allows selected access events to be reported on a pager. For each event, choices are **Y** (Yes) for call Immediately, **N** (No) for never call and **S** (schedule) for call according to a specific schedule (refer to section **6.2.2 Call Schedule** to configure the schedule number from which the **KTES** can communicate programmed events, alarms and troubles to the pager).

Note: Refer to section **6.2 Pager Reporting** for more information about the configuration of pager codes.

8.2.6.2.1 Access Granted

This option determines whether an access granted event should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting,** press **1-Access Granted** (shortcut **8-2-6-2-1**).
2. Press **1** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.2 Invalid Access Schedule

This option determines whether an access demanded inside a schedule invalid for the tenant should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting,** press **2-Inv Access Sch** (shortcut **8-2-6-2-2**).
2. Press **2** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.3 Grant by Tenant

This option determines whether a visitor access granted by the tenant should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting**, press **3-Grant by Tenant** (shortcut **8-2-6-2-3**).
2. Press **3** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.4 Auxiliary by Tenant

This option determines whether an auxiliary access allowed by the tenant should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting**, press **4-Aux by Tenant** (shortcut **8-2-6-2-4**).
2. Press **4** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.5 Denied by Tenant

This option determines whether a visitor denied event should be reported on a pager. Default is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting,** press **5-Denied by Tenant** (shortcut **8-2-6-2-5**).
2. Press **5** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.6 Tenant Traced

This option determines whether a tenant traced event should be reported on a pager. Default is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting,** press **6-Tenant Traced** (shortcut **8-2-6-2-6**).
2. Press **6** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.7 Disabled Tenant

This option determines whether a tenant with a disabled status event should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting,** press **7-Disabled Tenant** (shortcut **8-2-6-2-7**).
2. Press **7** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.8 Other Denied

This option determines whether an access demanded outside the range between the Start Date and the End Date (See section **1.8 Start and End Dates** for more information) should be reported on a pager. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting,** press **8-Other Denied** (shortcut **8-2-6-2-8**).
2. Press **8** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.9 Duress Alarm

This option determines whether a duress alarm should be reported on a pager. A Duress alarm is used by employees or tenants to signal for help (refer to section **8.1.2.3.6 Duress Mode**). Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting**, press **9-More**, press **1-Duress Alarm** (shortcut **8-2-6-2-9-1**).
2. Press **1** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.2.6.2.10 Extended Access Delay

This option determines whether an entry with an extended delay should be reported on a pager. Refer to section **1.10.2 Extended Delays** for more information. Default value is **N** (No).

1. Press **8-Device,** press **2-Door,** press **6-Access Events,** press **2-Pager Reporting**, press **9-More,** press **2-Ext Access Delay** (shortcut **8-2-6-2-9-2**).
2. Press **2** again to toggle between **Y**, **N** and **S**. Press **Back** twice and **Save**.

8.3 Inputs

The **Input** menu is used to configure each of four general inputs present on the **KTES**. These inputs are used to monitor the door contact, the postal lock input, the request to exit input or any type of equipment.

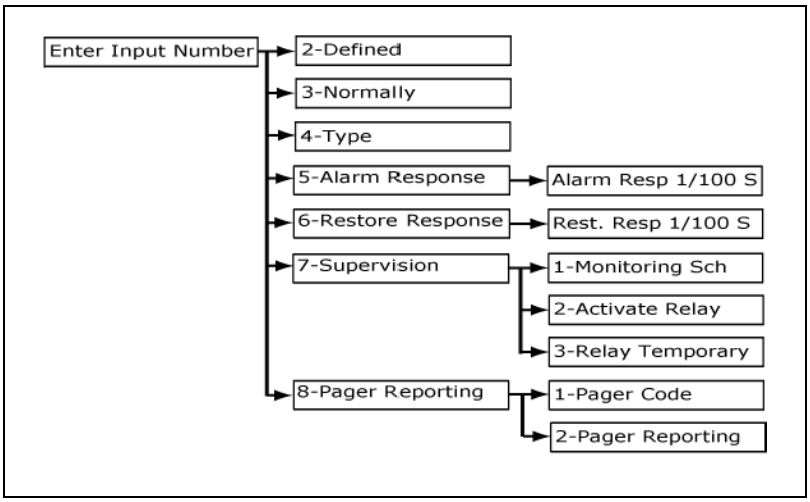

Figure 15: Device / Input menu Flow Chart

8.3.1 Defined

An input must be defined before being in operation. Default value **N** (No).

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **2-Defined**. Press **2** again to toggle between **Y** and **N**. Press **Save**.

8.3.2 Normally

This parameter defines the input operation mode as normally open or normally closed. Default value **Close**.

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **3-Normally**. Press **3** again to toggle between **Open** and **Close**. Press **Save**.

8.3.3 Type

This parameter defines the input termination as: NEOL for no end of line resistor (dry contact), EOL single end of line resistor (5.6K) or DEOL double end of line resistor (2 * 5.6K). Default value **NEOL**.

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **4-Type**. Press **4** again to toggle between the different types (choices are **NEOL**, **EOL**, **DEOL**). Press **Save**.

Note: Refer to **DN1769 Installation Manual** for more information about using resistances for **EOL**.

8.3.4 Alarm Response

This is the time delay in 1/100 seconds to elapse before proceeding to a new status when the input goes from a secure condition to an abnormal condition. Default value **50/100** seconds.

1. Press **8-Device**, press **3-Input**.

2. Enter the input number (values range from 1 to 4). Press #.
3. Press **5-Alarm Resp**. Enter the delay in 1/100 seconds (values range from 10 to 65535 1/100 sec). Press **#** and **Save**.

8.3.5 Restore Response

This is the time delay in 1/100 seconds to elapse before proceeding to a new status when the input goes from a abnormal condition to an secure condition. Default value **50/100** seconds.

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **6-Restore Resp**. Enter the delay in 1/100 seconds (values range from 10 to 65535 1/100 sec). Press **#** and **Save**.

8.3.6 Supervision

The options contained under the **Supervision** submenu relates to the input supervision configuration.

8.3.6.1 Monitoring Schedule

This is the schedule inside which the input is supervised. Default value is **00**.

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **7-Supervision**, press **1-Monitoring Schedule**.
4. Enter the schedule number (values range from 00 to 99). Press **#**, **Back** and **Save**.

Note: Schedules 00 and 01 have been pre assigned in the **KTES**. 00 for ***never supervised*** at all time, and 01 for ***supervised*** at all time. Refer to section **7.1 Schedules**.

8.3.6.2 Activate Relay

This is the relay to be activated when the input goes on alarm. Default value is **0**.

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **7-Supervision**, press **2-Activate Relay**.
4. Enter the relay number (values range from 0 to 3). Press **#**, **Back** and **Save**.

8.3.6.3 Relay Temporary

This parameter indicates whether the relay activation is temporary or permanent when the input goes in alarm. Default value is N for permanent activation. Default value is **N**.

1. Press **8-Device**, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **7-Supervision**, press **3- Relay Temporary**.
4. Press **3** again to toggle between **Y** or **N**. Press **Back** and **Save**.

Note: Refer to **8.4.3 Activation Schedule** to set the temporary activation period.

8.3.7 Pager Reporting

The Pager Reporting function is used to send a pager code corresponding to the input that triggered an alarm.

Note: For New-Zealand: This equipment shall not be set up to make automatic calls to the Telecom “111” Emergency Service.

8.3.7.1 Pager ID

Enter the pager code corresponding to the input number. Default values are **201**, **202**, **203** and **204** (for each input number).

1. Press **8-Device** menu, press **3-Input**.
2. Enter the input number (values range from 1 to 4). Press #.
3. Press **8-Pager Reporting**, press **1- Pager ID**.
4. Enter the pager code (values range from 000 to 999). Press **#**, **Back** and **Save**.

8.3.7.2 Pager Reporting

Set this parameter to enable the Pager Reporting function. Choices are **Y** (Yes) and **N** (No). Default value is **N** (No).

1. Press **8-Device**, press **3-Input**.
1. Enter the input number (values range from 1 to 4). Press **#**.
2. Press **8-Pager Reporting**, press **2-Pager Reporting**.
3. Press **2** again to toggle between **Y** and **N**. Press **Back** and **Save**.

8.4 Relays Submenu

The **Relay** menu is used to configure each of three general output relays present on the **KTES**. These relays can be used to control the locking device, the heater kit or any low voltage equipment.

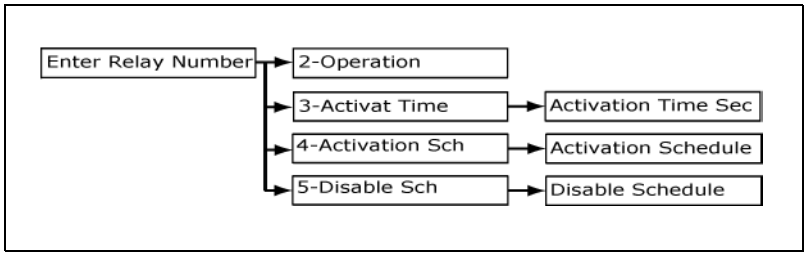

Figure 16: Device / Relay menu

8.4.1 Operation

Two operation modes are possible for a relay: normal for not energized when deactivated or reverse for energized when deactivated. Default value is **Normal**.

1. Press **8-Device**, press **4-Relay**.
2. Enter the relay number (values range from 1 to 3). Press #.
3. Press **2-Operation**. Press **2** again to toggle between **Normal** and **Reverse**. Press **Save**.

8.4.2 Activation Time

The activation time represents the time delay in second for a relay to activate on a temporary action. Default value is **5** seconds.

1. Press **8-Device**, press **4-Relay**.
2. Enter the relay number (values range from 1 to 3). Press #.
3. Press **3-Activat Time**. Enter the activation time in seconds (values range from 1 to 65535 sec). Press **#** and **Save**.

8.4.3 Activation Schedule

This is the schedule inside which the relay is automatically activated. Default value is **00**.

1. Press **8-Device** menu, press **4-Relay**.
2. Enter the relay number (values range from 1 to 3). Press #.
3. Press **4-Activation Sch**. Enter the schedule number (values range from 00 to 99). Press **#** and **Save**.

8.4.4 Disable Schedule

This is the schedule inside which the relay will never be activated by an event. Default value is **00**.

1. Press **8-Device**, press **4-Relay**.
2. Enter the relay number (values range from 1 to 3). Press #.
3. Press **5-Disable Sch**. Enter the schedule number (values range from 00 to 99). Press **#** and **Save**.

9.0 - Troubleshooting

When an error message is displayed or when a trouble occurs, refer to the table below for a list of solutions.

Trouble / Error Message	Solution
Invalid Tenant ID	Enter a valid tenant ID. Search through the directory for valid tenant IDs using the **List** command.
No Match Found	Enter the relevant tenant name. The tenant name must be present in the list with a phone number and the **Show** option enabled.
Access denied	Your access information may not have been preconfigured (for example, you are a new employee). Contact your administrator, your supervisor, the security personnel or the building owner. You should also verify the connections between the controller and the KTES if used in integration mode.
Out of Schedule	Make sure you are working within the hours and days scheduled or contact the security personnel.
No Dial Tone	Retry later. It may be a telephone line breaking or a phone service interruption.
Line Busy	Retry later. Another person is using the line.
No Answer	Retry later. The tenant is not available.
System/Line Busy	Retry later. Another person is using the line or the system is using the line to communicate information.
No Line	The telephone line is out of service. The system is disconnected or the telephone cable may have a problem. In this case, make sure the telephone cable is well connected and try again. If this message displays again, then replace the telephone cable. Finally, if it doesn't solve the problem, contact your phone company.
Invalid Schedule #	Check for the schedule number associated with the tenant access hours. Enter the appropriate schedule number.
Invalid tenant #	Select a tenant from the list or enter the correct tenant number.
Bad Access Schedule	Check for the tenant access schedule with EntraPass, and then set the relevant parameters in the system if there are irrelevant details.

Table 6: Troubleshooting table

Appendix A - ASCII Table

Dec	Asc	Dec	Asc	Dec	Asc	Dec	Asc	Dec	Asc	Dec	Asc	Dec	Asc	Dec	Asc
16	σ	32		64	@	96	`	128	≡	160		192	A	224	à
17		33	!	65	A	97	a	129		161	¡	193	A	225	á
18	≈	34	"	66	B	98	b	130		162	¢	194	A	226	â
19	≠	35	#	67	C	99	c	131		163	£	195	Ã	227	ã
20		36	$	68	D	100	d	132	⌠	164	→	196	Ä	228	ä
21		37	%	69	E	101	e	133	⌡	165	¥	197	Å	229	å
22		38	&	70	F	102	f	134	⎞□	166	←	198	Æ	230	æ
23		39	'	71	G	103	g	135	⎠	167	§	199	Ç	231	ç
24		40	(	72	H	104	h	136	⎝	168	¨	200	E	232	è
25	Π	41	)	73	I	105	i	137	™	169	↑	201	É	233	é
26	∑	42	*	74	J	106	j	138	S	170	⎡	202	E	234	ê
27	Φ	43	+	75	K	107	k	139	⌠	171	«	203	E	235	ë
28	Ω	44	,	76	L	108	l	140	=	172	⎤	204	I	236	ì
29	α	45	-	77	M	109	m	141		173	⎣	205	I	237	í
30	ε	46	.	78	N	110	n	142		174	↓	206	I	238	î
31	π	47	/	79	O	111	o	143		175	¯	207	I	239	ï
		48	0	80	P	112	p	144		176	°	208	D	240	ð
		49	1	81	Q	113	q	145		177	±	209	Ñ	241	ñ
		50	2	82	R	114	r	146		178	²	210	O	242	ò
		51	3	83	S	115	s	147	X	179	³	211	O	243	ó
		52	4	84	T	116	t	148	≤	180	⌋	212	O	244	ô
		53	5	85	U	117	u	149	•	181	µ	213	Õ	245	õ
		54	6	86	V	118	v	150	—	182	¶	214	Ö	246	ö
		55	7	87	W	119	w	151	≥	183	·	215	θ	247	÷
		56	8	88	X	120	x	152	˜	184	¸	216	Ø	248	ø
		57	9	89	Y	121	y	153	™	185	¹	217	U	249	ù
		58	:	90	Z	122	z	154	s□	186	Γ	218	U	250	ú
		59	;	91	[	123	{	155	√	187	»	219	U	251	û
		60	<	92	\	124	|	156	⌠	188	¼	220	Ü	252	ü
		61	=	93	]	125	}	157	⌡	189	½	221	Y	253	y
		62	>	94	^	126	~	158	∞	190	¾	222	ξ	254	ρ
		63	?	95	_	127	Δ	159	Y	191	¿	223	ß	255	ÿ

Appendix B- System Configuration Worksheet

A summarized table including steps to follow in order to configure the system will be inserted (one page). Record all important parameters for each individual site and keep in a secure location.

Site Name: _____

Contact Person: _____

Phone Number: _____

Welcome Message (20 characters maximum)		
	Message 1	***Message 2***
English	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
Delay	_ _ _	_ _ _
Spanish	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
Delay	_ _ _	_ _ _
French	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
Delay	_ _ _	_ _ _
Custom	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
Delay	_ _ _	_ _ _

Remote Access												
Modem												
Ph# *(24 char max)*											**Answer Ring** *Def: 0*	
_ _											_ _	
Pager reporting												
Ph# *(24 char max)* *Default Empty*											**Call Schedule** *00-99* *Def:00*	**Unit ID** *0001-9999* *Def: 0001*
_ _											_ _	_ _ _ _
Pager reporting												
System Events												
Tamper Switch *001-999* *Def:100*			**Power Failure** *001-999* *Def:101*			**Battery Trouble** *001-999* *Def:102*			**Buffer 70%** *001-999* *Def:103*		**Other Troubles** *001-999* *Def:104*	
_ _ _			_ _ _			_ _ _			_ _ _		_ _ _	
Pager reporting												
Door Events							**General Events**					
Forced Open *001-999* *Def:120*	**Open Too Long** *001-999* *Def:121*	**Left Open** *001-999* *Def:122*	**Lock trouble** *001-999* *Def:123*	**Keypad Disabled** *001-999* *Def:124*	**Duress Alarm** *001-999* *Def:125*	**Restore Code** *001-999* *Def:0*	**Alarm Code** *001-999* *Def:1*	**Tamper Code** *001-999* *Def:2*	**Trouble Code** *001-999* *Def:3*	**Field Separator** ** # ,* *Def:**	**Ending** ** # ,* *Def:#*	
_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_	_	

Remote Access (continued)							
Pager							
Access Events							
Access Granted *001-999 Def:140*	Inv Access Schedule *001-999 Def:141*	Grant by Tenant *001-999 Def:142*	Auxiliary By Tenant *001-999 Def:143*	Deny by Tenant *001-999 Def:144*	Tenant Traced *001-999 Def:145*	Disabled Tenant *001-999 Def:146*	Other Denied *001-999 Def:147*
___	___	___	___	___	___	___	___
Ethernet							
Local							
DHCP *Y N Def: Y*		IP *Default: 192.168.001.002*		SM *Default: 255.255.255.000*			
__	__	___.___.___.___		___.___.___.___			
Ethernet							
Local							
Gateway (GW) *Default: 255.255.255.255*		DNS (DS) *Default: 000.000.000.000*		IP Port *Default: 18810*			
___.___.___.___		___.___.___.___		___ ___			
EntraPass							
IP *Default: 000.000.000.000*		Domain Name (DN) *(20 characters maximum)* *Default: empty*					
___.___.___.___		___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___					

Device/System

System Options

Stand Alone Mode Y N Def: Y	Time Base Def:60Hz	Tel Interface Def:00	Display PIN # Y N Def: Y	Daylight Saving 00/00-12/31 Def: 00/00	Standard Time 00/00-12/31 Def: 00/00	Postal Lock Def: 2	Postal Lock Schedule Def: 01	Line Monitoring Y N Def: Y
_ _	_ _	_ _	_ _	_ _	_ _ / _ _	_ _ / _ _	_	_ _	_ _	_ _

Relays Activation

Tamper Alarm 0-3 Def: 0	Power Failure 0-3 Def: 0	Battery Trouble 0-3 Def: 0	Buffer 70% 0-3 Def: 0	Other Trouble 0-3 Def: 0	Lock Power Trouble 0-3 Def: 0	*Postal Lock* 0-3 Def: 0	Heater Kit Relay 0-3 Def: 0
_	_	_	_	_	_	_	_

User Interface

Language

English Y N Def: Y	*Spanish* Y N Def: N	*French* Y N Def: N	*Custom* Y N Def: N
_ _	_ _	_ _	_ _

User Interface

Audio Visual

Speak Volume -2 to 3 Def:0	Microphone Sensitivity -5 to 5 Def:0 (auto)	LCD Contrast -10 to -10 Def:0	Teleph. Sensitiv. -5 to 5 Def:0
_	_ _ _	_ _ _	_ _

Keypad Setup

Duress Key 0-9,#,* Def:9	Visitor Allowed Key 0-9,#,* Def:9	Alt Allowed Key 0-9,#,* Def:Empty	Visitor Denied Key 0-9,#,* Def:*	User ID Length 1-5 Def:4	User PIN Length 4-6 Def:4	Duress Mode Disab, Grant, Denied, Both, Def:Disab
_	_	_	_	_	_	_ _ _ _ _ _

User Interface

Keypad Timers

Inter Digit Delay 5-255 s Def:005	Next Character Del 0-255 s Def:002	Find User Delay 5-255 s Def:015	Program PIN Delay 5-255 s Def:020	Program Mode Delay 5-599 Def:0060	Backlight Delay 0-255 Def:020
_ _ _	_ _ _	_ _ _	_ _ _	_ _ _ _ _	_ _ _

Keypad Lockout

Bad Pin Count 0-31 Def:00	Bad PIN Delay 5-255 s Def:060	Lockout Delay 1-255 min Def:002
_ _	_ _ _	_ _ _

Call Options

Talk Time 10-3599s Def:40	Ext.Talk Time 10-3599s Def:60	Talk Time Warn 1-3599s Def:10	Number Ring Call 4-16 Def:5	Ext Ring Call 4-16 Def:10	Line Type Tone / Pulse Def: Tone
_ _	_ _ _	_ _ _	_ _	_ _	_ _ _ _ _

Pager Reporting

Tamper Alarm Y N S Def: N	Power Failure Y N S Def: N	Buffer 70% Y N S Def: N	Battery Trouble Y N S Def: N	Other Troubles Y N S Def: N	Lock Pwr Trouble Y N S Def: N
_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _

Wiegand Interface

Reader Type	Display	Postal Lock Granted	Duress Alarm	Access Denied
34b/26b/XSF/KSF Def: XSF	HHHH:DDDDD DDDDDDDD DDDDDDDDDD HH:HHHH HHHH:HHHH HH:DDDDD Def: HH:DDDDD	0000:00000 Def: 00:00000	0000:00000 Def: 00:00000	0000:00000 Def: 00:00000
_ _ _	_ _ _ _ : _ _ _ _ _	_ _ _ _ : _ _ _ _ _	_ _ _ _ : _ _ _ _ _	_ _ _ _ : _ _ _ _ _

8-Device / Door

Delays

Unlock Time	Open Time	Extended Unlock Time	Extended Open Time
1-65535 seconds *Def: 00010*	*1-65535 s* *Def: 30*	*1-65535 seconds* *Def: 40*	*1-65535 seconds* *Def: 120*
_ _ _ _ _	_ _ _ _ _	_ _ _ _ _	_ _ _ _ _

Inputs					Lock				
Door Contact *1-4* *Def:1*	Rex Input *1-4* *Def:0*	Rex Input Schedule *01-99* *Def: 01*	Rex Unlock *Y N* *Def: Y*	Rex Relock Close *Y N* *Def: N*	Lock Fail *Def: Secure*	Lock Supervised *Y N* *Def: Y*	Relay Output *1-3* *Def: 0*	Relock Access Open *Y N* *Def: Y*	Unlock Schedule *01-99* *Def: 00*
_	_	_ _	_ _	_ _	_ _ _ _ _ _	_ _	_ _	_ _	_ _

Door Events

Relays Activation					Pager Reporting				
Forced Open *1-3* *Def:0*	Open Too Long *1-3* *Def:0*	Left Open *1-3* *Def:0*	Lock Trouble *1-3* *Def:0*	Keypad Lockout *1-3* *Def:0*	Forced Open *Y N S* *Def: N*	Open Too Long *Y N S* *Def: N*	Left Open *Y N S* *Def: N*	Lock Trouble *Y N S* *Def: N*	Keypad Lockout *Y N S* *Def: N*
_	_	_	_	_	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _

Access Events

Relays Activation

Access Granted *1-3* *Def:0*	Inv. Access Schedule *1-3* *Def:0*	Grant by Tenant *1-3* *Def:0*	Auxiliary by Tenant *1-3* *Def:0*	Deny by Tenant *1-3* *Def:0*	Tenant Traced *1-3* *Def:0*	Disabled Tenant *1-3* *Def:0*	Other Denied *1-3* *Def:0*	Duress Alarm *1-3* *Def:0*	Extended Access Delay *1-3* *Def:0*
_	_	_	_	_	_	_	_	_	

Access Events

Pager Reporting

Access Granted *Y N S* *Def: N*	Inv. Access Schedule *Y N S* *Def: N*	Grant by Tenant *Y N S* *Def: N*	Aux by Tenant *Y N S* *Def: N*	Denied by Tenant *Y N S* *Def: N*	Tenant Traced *Y N S* *Def: N*	Disabled Tenant *Y N S* *Def: N*	Other Denied *Y N S* *Def: N*	Duress Alarm *Y N S* *Def: N*	Extended Access Delay *Y N S* *Def: N*
_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _	_ _ _

Device / Input and Relay

Input No	Defined *Y N* *Def: N*		Operation *Open / Closed* *Def: Closed*	Type *EOL/DEOL/ NEOL* *Def: NEOL*	Alarm Response *10-65535 1/100 sec* *Def:00050*	Restore Response *10-65535 1/100 sec* *Def:00050*	Supervision			Pager Reporting	
							Monitor Sched. *Def: 00*	Activ. Relay *0-3* *Def:0*	Relay Temporary *Y N* *Def: N*	Pager Code *001-999* *Def:201*	Pager Reporting *Y N* *Def: N*
1	_	_	_ _ _ _ _	_ _ _ _	_ _ _ _ _	_ _ _ _ _	_ _	_	_ _	_ _ _	_ _
2	_	_	_ _ _ _ _	_ _ _ _	_ _ _ _ _	_ _ _ _ _	_ _	_	_ _	_ _ _	_ _
3	_	_	_ _ _ _ _	_ _ _ _	_ _ _ _ _	_ _ _ _ _	_ _	_	_ _	_ _ _	_ _
4	_	_	_ _ _ _ _	_ _ _ _	_ _ _ _ _	_ _ _ _ _	_ _	_	_ _	_ _ _	_ _

Relay No	Operation *Normal / Reverse* *Def:Normal*	Activation Time *10-65535 sec* *Def:0005*	Activation Schedule *00-99* *Def:00*	Disable Schedule *00-99* *Def:00*
1	_ _ _ _ _ _ _	_ _ _ _ _	_ _	_ _
2	_ _ _ _ _ _ _	_ _ _ _ _	_ _	_ _
3	_ _ _ _ _ _ _	_ _ _ _ _	_ _	_ _

Appendix C- Tenant Information Record

Appendix C - Tenant Information Record

Tenant Name (20 characters) Default: empty	ID (0-99999)/ PIN(4 to 6)	Sch # (0-99)	PH#1/ PH#2 (24 digits)	Start/End Date (YY/MM/DD)	Ext. Del Y	Ext. Del N	Ext. Rgs Y	Ext. Rgs N	Hide Ten. Y	Hide Ten. N	Type * Tn	Type * Mnt	Type * Ow	Type * Inst
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				/ /										
				/ /										
				/ /										

* Tn: Tenant, Mnt: Maint, Ow: Owner

Note: A summarized table including steps to follow in order to configure the system will be inserted (one page). Record all important parameters for each individual site and keep in a secure location.

Appendix C - Tenant Information Record

Tenant Name *(20 characters) Default: empty*	ID *(0-99999)*/ PIN*(4 to 6)*	Sch # *(0-99)*	PH#1/ PH#2 *(24 digits)*	Start/End Date *(YY/MM/DD)*	Ext. Del Y N	Ext. Rgs Y N	Hide Ten. Y N	Type * *Tn*	*Mnt*	*Ow*	*Inst*
				/ /							
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				/ /							
				/ /							

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QUICK REFERENCE SHEET

The KTES allows you to remotely grant access to a visitor via your phone or cellular.

How Can Visitors Contact You?

Expected visitors will be able to locate your name and call you from the KTES located at the building main entrance by following the instruction on the unit display. If you have been assigned a tenant ID code, you can give your code to visitors so they can enter the code using the KTES keypad to call you when they arrive.

Talking to Visitors

Your phone will ring when visitors dial your tenant ID code or enter your name from the building entrance. After answering the phone, you will be able to talk to visitors for a limited period of time.

Granting Access to a Visitor

When visitors call you from the building entrance, press the programmed key(s) (default [9]) on your telephone to grant visitors access to the building.

Refusing Access to a Visitor

If you want to deny access to a visitor, press the programmed key(s) (default [*]) on your telephone to hang up the phone and display ACCESS DENIED on the KTES display.

Entering the Building Using Your PIN or Your Access Card

You may have been given a PIN to access the building:

1. To open the building entrance, press [*] on the KTES keypad, immediately followed by your PIN.
2. The display will show the message: ACCESS GRANTED.

If you own an access card:

1. To open the building entrance, present your access card to the reader.
2. The display will show the message: ACCESS GRANTED.

KANTECH DN1770-1102

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