

Intelligent Suite Security System

User's Manual



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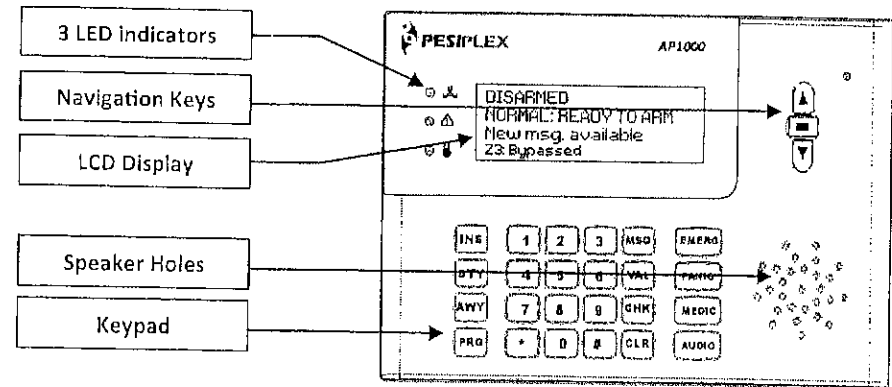
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Introduction

Congratulations on your ownership of a PESIplex suite security system. PESIplex represents the latest in security and automation solutions. The AP1000 series intelligent suite security system is specifically designed for condominium living. The AP1000 will report any alarms to the front desk. Please take a moment to read this document and understand all the available features of the system.

The PESIplex system offers various forms of protection including burglary, fire and gas. There are other valuable features such as hands free Audio to Guard desk, Valet service request and Text messaging. The availability of these depends on the availability of the sensors connected to the zones and the model of the panel installed in your suite. The AP1000 series panel could monitor from 4 to 10 zones depending on the model.

Panel Layout & Specifications



Keypad Buttons:

- INS – Initiates a “Instant Arming” mode
- STY – Initiates a “Stay Arming” mode
- AWY – Initiates a “Away Arming” mode
- PRG – Initiate programming mode
- MSG – Read Text Message
- CLR – Clear key
- VAL – Request/Cancel Valet
- CHK – Acknowledge a check-in request
- EMERG – Sends an Emergency request to the front desk
- PANIC – Sends a Panic request to the front desk
- MEDIC – Sends a Medic request to the front desk
- AUDIO – Request/Cancel a hands free audio communication the front desk.

Navigation Buttons:

- ▲, ▼, ■ - Up, Down and Enter keys used for menu operations

To activate any of the keypad buttons, please push and hold the button for one second. You will hear a beep when the system accepts the button push.

Menu Navigation

Your panel is designed with a very simple user interface. To invoke the navigation mode, please push and hold the [PRG] button for 1 sec. This will take you to a **USER, MASTER and SERVICE** menu. Use the up - [▲] or down - [▼] keys to move the screen pointer ➔ to the desired menu and push the Enter key - [■] to activate that menu.

To change the master code from the default factory value of "1234" to "5678", please do the following:

Push & Hold [PRG] ➔ [▼] MASTER [■] ➔ Enter Code: 1234 [■] ➔ Change Codes [■] ➔ Master Code [■] ➔ Enter the new 4 digit code: 5678 [■] ➔ [PRG] ➔ [PRG]




LCD Display

Your suite security system is equipped with a LCD display screen which is capable of displaying a total of 80 characters (4 rows x 20 columns). PESiPLEX has crafted an innovative format to show the user the current status of the panel.

ROW 1: PANEL MODE
 ROW 2: PANEL STATUS DESCRIPTION
 ROW 3: System Messages
 ROW 4: Network & Zone Status

LED Indicators

The AP1000 series panels are also equipped with 3 LED indicators to show the current status of the panel from a far distance.

LED Colour	Icon	Solid State	Blinking State
Green		Panel is Online	Panel is Offline
Yellow		Text Message Waiting	Zone Fault Zone Trouble Tamper Active
Red		In Armed Mode	In Alarm Mode

Zones

Zones are the sensory points of your system. Depending on the model of the panel you could monitor between 4 to 10 zones. A zone could be an Entry/Exit Door, Window/Door, Motion Detector, Fire/Smoke Sensor, Gas/Carbon monoxide sensor, water leak detector and any other compatible sensors. Zones are abbreviated with a "ZH:" notation, where the # is the zone number. When there is a change in status the panel will display the zone number with the zone type on the display. If configured, a chime shall be generated every time there is a zone status change.

Burglary protection

To start monitoring for the burglary protection, the panel has to be in "Armed" mode. Please refer to the Arming/Disarming the system for further information. These panels also support one customizable "Duress Code" to alert the front desk of a duress condition.

Fire/Gas protection

The AP1000 series panels will monitor for any zones configured with Fire, Gas or "Other Always" zone types even if the panel is not armed. In general, these zones are monitored 24hrs. Please consult your building manual for any Fire or Gas evacuation procedures and policies.

Alarms

An alarm is generated under five conditions.

1. Zone sensor is triggered when the system is in "Armed" mode.
2. One of the zone configured as Fire, Gas or "Other Always" is triggered in "Armed/Disarmed" mode.
3. User has pushed the **EMERG, PANIC, MEDIC** or **AUDIO** button on the panel
4. The panel is configured with a check-in time and the check-in time got expired.
5. A zone fault or trouble condition has been noticed on a configured zone.

Under "Alarmed" mode, the details of the alarm will be displayed on your panels LCD screen. Please refer to the Silencing alarms section to read about the restore process. Also, if there is a fault/trouble zone you could always bypass that particular zone(s) by initiating the bypass process. Please refer to the Bypassing the zones section for further info.

Security codes

Your security system support 10 User Code, 1 Master code and 1 Duress Code. All codes must be 4 digits and has to be unique. The default master code is "1234". Please change this with a 4 digit code. Please do not give this code to any other personals (Security, Technician, Property Mangers and Others). With the Master Code you will be able to assign User Codes and change the Duress Code.

Changing the Master code:

Push & Hold [PRG] Key → Navigate to MASTER → Enter Code: 1234 → Navigate to Change Codes → Select Master → Enter the new 4 digit code → Push [PRG] to exit.

Changing the User Code #7:

Push & Hold [PRG] → MASTER → Enter Code: XXXX → Change Codes → User 7 → Enter the new 4 digit code → [PRG] (where XXXX – is your master code)

Changing the Duress Code:

Push & Hold [PRG] → MASTER → Enter Code: XXXX → Change Codes → Duress → Enter the new 4 digit code → [PRG] (where XXXX – is your master code)

Arming the system

Your panel could be armed into 3 possible modes, Instant Arm – [INS], Stay Arm – [STY] and Away Arm – [AWY]. All configured zones have to be in ready stage to initiate the arming process. If there is a fault/trouble zone, it is important to bypass the affected zones before you could arm the panel. Please refer to the "Bypassing zones" section for further information. When the panel is ready the first 2 rows of the LCD display will look like the following:

```

DISARMED
NORMAL: READY TO ARM
  
```

Instant Arming:

In this mode you only monitor your perimeter zones (Entry/Exit, Window/Door, Fire, Gas, Other zones). If you have a motion sensor configured, the system will ignore it. With this mode the user will stay inside the property and will not open the Entry/Exit door as the Entry/Exit delays are not applied to this mode of arming. Example: Arming at night times. Opening any of the perimeter zones will trigger a burglary alarm.

Push & Hold [INS] key → Enter Pass code: ##### → LCD will show EXTERIOR ARMED (Where ##### is the 4 digit master/user code)

Stay Arming:

This is almost same as the Instant arming mode except with this mode the Entry/Exit delays are applied. Example: One of your family members is staying inside, but you need to go out of the suite. The motion sensors are not monitored under this mode of arming as well.

Push & Hold [STY] key → Enter Pass code: ##### → LCD will show EXTERIOR ARMED (Where ##### is the 4 digit master/user code)

Away Arming:

This is the ultimate secure mode, in which all the zones are monitored and the Entry/Exit delays are also applied.

Push & Hold [AWY] key → Enter Pass code: ##### → LCD will show SYSTEM ARMED (Where ##### is the 4 digit master/user code)

Disarming the system

A panel armed under stay/away will go into disarming mode as soon as one of the Entry/Exit door is opened. In "Disarming" mode, the panel expects the user to enter their 4 digit master or user code. A one second beep will notify them of the disarming process. If the user failed to enter code within the preset Entry delay time the panel will go into a "Burglary Alarm" mode and notify the front desk.

Duress Code operations

A duress code is used to send a silent alarm to the front desk. Please refer to the "Security Codes" section to learn about setting the duress code. This code shall be used to Arm/Disarm the panel. This could also be used to silence the alarms.

Silencing an alarm

You will be required to enter a valid master or user code to silence the alarm. By entering a valid code the panel will go from an "Alarmed Mode" to a "Restored" mode. In the "Restored" mode the panel will ignore any active zones as well as troubled/faulty zones. To get out of the "Restored" mode a valid master or user code has to be entered.

Hint: Resetting an alarm requires you to enter your master or user code twice.

Bypassing the zones

Only the Master or the Service Technicians are allowed to bypass a zone. To bypass a zone please do the following:

Push and hold [PRG] key → Navigate to MASTER menu → Enter Code: XXXX →
 Navigate to Zone Config → Select Zone number → Navigate to Bypass → Select
 ON → Push [PRG] to exit.

You will notice that the bypassed zone(s) will be displayed on the 4th row of the LCD screen.

Entry/Exit delays

These two delays are applied to Entry/Exit doors only. Also, these delays are used in either "Stay" or "Away" arming modes. Entry delay is the time in seconds that you have to enter your user code before the panel goes into a "Burglary Alarm".

An Exit delay is the time you have before you could walk out the suite before the Entry/Exit zones are activated. In the case of the Exit delay, if the user opens and close the Exit door before the exit time expires the system will immediately go into an "Armed Mode".

To minimize any false alarms, it is always a good practice for the last person who leaves the suite to initiate the arming process.

EMERG/PANIC/MEDIC Operations:

On your panel you will notice the EMERG key is always lit up in red color. This will guide you to the panel under low light conditions. Pushing and holding any of these 3 buttons will send an alarm to the front desk. To reset the alarm please refer to the silencing the alarm section.

Reading Text Messages:

Your panel is capable of receiving text messages from the front desk. When there is a new text message, you will notice the yellow light on your panel will be lit up solid and on the LCD you will see a "New msg. available" message. To read the new text message, just push and hold the [MSG] button. You could use the up [▲] or down [▼] navigation keys to scroll between the messages. Press and hold the [CLR] key to delete the messages. At any time the panel could hold up to 3 text messages (3 x 80 characters). Please delete any old messages from the system.

Valet Services:

Your panel is capable of requesting valet to the front desk. To request for valet service, just push and hold the [VAL] button. You will notice a "Valet Requested" on the LCD screen. Pushing and holding the [VAL] button again will cancel the valet request. When your valet request has been accepted you will hear a beep and the LCD screen will show a "Valet Accepted" message. The front desk has the option to either accept or reject a valet request.

Zone Table:

Zone	Zone Type	Loop Type	Persistency	Chlme
Z1				
Z2				
Z3				
Z4				
Z5				
Z6				
Z7				
Z8				
Z9				
Z10				

Other Panel Parameters:

Parameter Name	Parameter Value
Panel ID	
Entry Delay	sec
Exit Delay	sec
LCD Contrast	%
Volume Level	%
Check-In time interval	sec

User Codes Table:

Code Number	User Name
Master Code	
User 1	
User 2	
User 3	
User 4	
User 5	
User 6	
User 7	
User 8	
User 9	
User 10	

Limitations statement

While this system is designed to be an intelligent suite security system, it does not offer guaranteed protection against burglary or fire or other emergency. Any alarm system is subject to compromise of failure to warn for variety of reasons.

For example:

- Intruders may gain access through unprotected zones or have the technical knowledge to bypass a sensor module.
- Motion sensors, smoke/gas detectors, and many other sensing devices will not work without power. Maintain proper power source to these sensors at all time is very critical for the system offer full protection.
- Often time the sensors are designed to work under specific temperature range, humidity and other external conditions. Please refer to the specifications on the installed sensors in your suite.
- Alarm warning devices such as sirens, bells or buzzers may not alert people or wake up sleepers if they are located away from the suite security systems. Audio levels of the warning devices are limited by the location and other external factors such as multimedia sound systems or other home appliances.
- Even if the system responds to the emergency as intended, the reaction to the alarms by the occupants may have insufficient time to protect them from the situation.
- In the case of a remote/centralized monitoring setup, the authorities might not response on a timely manner.
- Just like any other electrical devices, this equipment is subject to component failures. PESIplex has taken every step to prevent the failures the electrical components could fail at any time.
- The most common cause of an alarm system failure is due to inadequate maintenance. This alarm system should be tested weekly to make sure all sensors are working properly.
- It is important for the homeowners and renters to act prudently in protecting themselves and continue to insure their lives and property.

Warranty

Penguin Engineering Systems Inc. makes no claim or warranty with respect to the fitness of hardware or software for a specific application and assumes no responsibility for installation. This warranty is in lieu of all other warranties expressed or implied. No representative or agent of Penguin Engineering Systems Inc. may make any other claims to the fitness of any product for any application.

Appendix A: Menu Navigation

