Fire System
User's Guide

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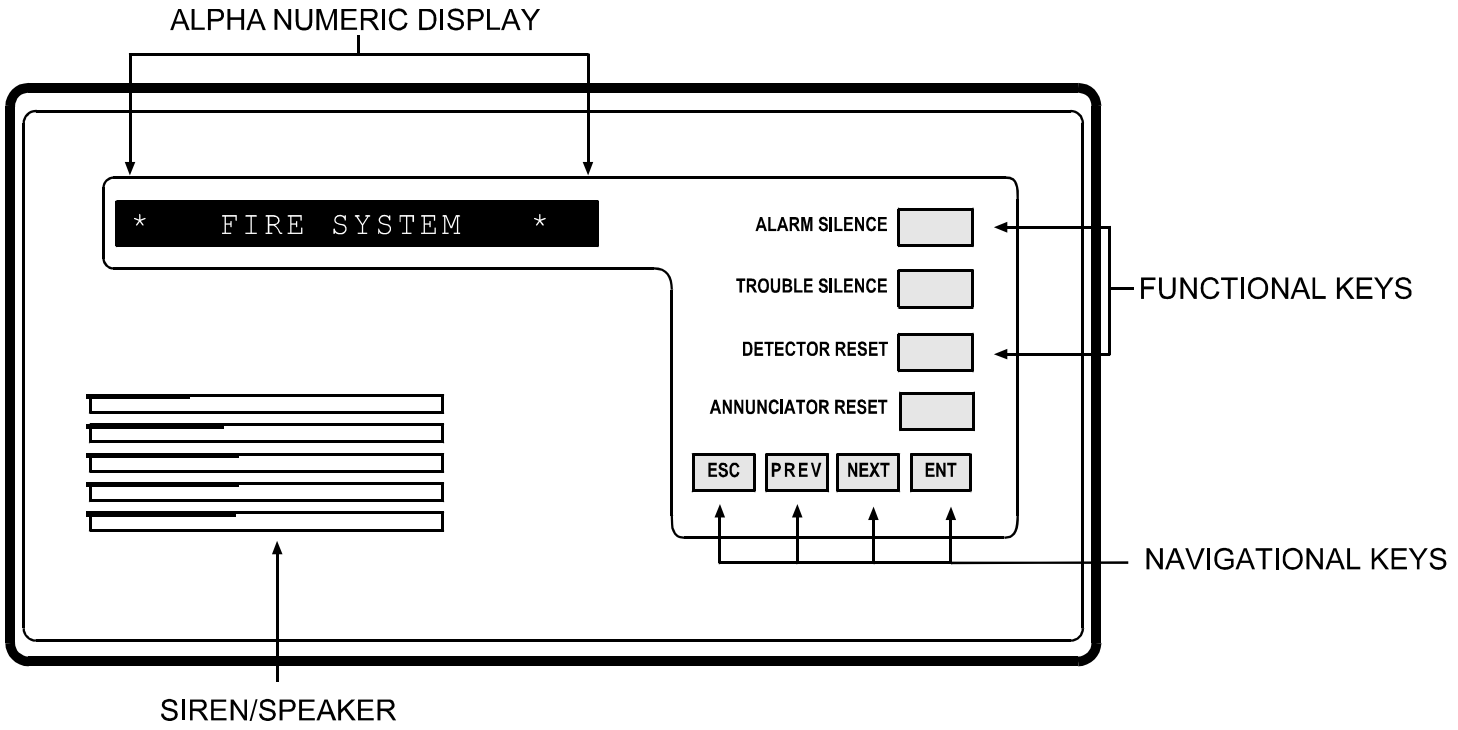

ALPHA NUMERIC DISPLAY
* FIRE SYSTEM *
ALARM SILENCE
TROUBLE SILENCE
DETECTOR RESET
ANNUNCIATOR RESET
ESC
PREV
NEXT
ENT
FUNCTIONAL KEYS
NAVIGATIONAL KEYS
SIREN/SPEAKER

Introduction

Your system's command center is an advanced digital device that offers a variety of features. Its highly visible, back-lit keypad and built-in sounder alert you to a number of system events.

About This User's Guide

This user's guide covers basic system features. It is designed to be an everyday type of reference for system users. The functions described in this guide are programmed by your security company. Some of them may not be included in your system.

Throughout this guide the **#** symbol refers to a variable numerical quantity, such as the number of points to test. Messages that appear in the command center display appear in this guide `LIKE THIS`. Keys that you must press appear [LIKE THIS].

Using the Command Center

Your system provides access to functions through the Menu. Access the Menu by pressing the [ESC] key. Pressing the [PREV] or [NEXT] key allows you to scroll up or down through the list of functions programmed by your security company. Pressing the [ENT] key initiates the function displayed. To exit the Menu, press the [ESC] key.

What is a Point?

A "point" is a detection device, or group of devices connected to your system. Points display individually at the command center with custom text. The text can describe a single smoke detector, or an area such as FIRST FLOOR or LOBBY.

Command Center Function Keys

Your command center has four function keys. These keys are used to control your system.

ESC (Escape)

The [ESC] key has two functions. First, the [ESC] key is used to enter the Menu. Pressing this key takes you to the first item in the menu.

Second, pressing [ESC] will take you back to the idle display.

PREV (Previous)

When viewing a list, pressing the [PREV] key will take you back to the previously shown item.

NEXT

Press the [NEXT] key to view the next item in a menu or list.

ENT (Enter)

The function of the [ENT] key is to select the menu item displayed.

Command Center Quiets for Keystrokes

Pressing [ESC], [PREV], [NEXT], or [ENT] lights the keys and quiets any warning tones. If you don't press another key within 20 seconds, the keypad lights go out and the warning tones resume.

Viewing System Events

Your system will automatically display fire alarm events or fire trouble events as they occur. Fire trouble events include such things as a broken wire or a closed sprinkler system valve.

Warning Displays and Tones

Your command center emits one of several distinct tones and displays custom text to alert you to system events. Additional bells or horns may also be connected to your system. Audible and visual devices such as horns and strobes alert you to emergencies.

Priority of Events

If more than one event occurs, your system sorts them into one of three groups. The groups (highest priority first) are: Fire Alarms, Fire Troubles, and Non-Fire Troubles.

The group with the highest priority scrolls first in the command center's display. Descriptions of the tones and displays for each group and instructions for silencing the tones are included in the descriptions that follow.

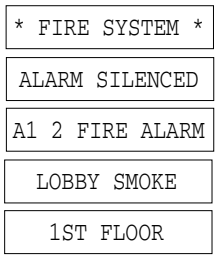
Fire Alarms

Fire alarms are the highest priority events. When a fire point activates, your command center emits a pulsating high-pitched fire tone. Evacuate all occupants and investigate for smoke or fire. The tone sounds for the time set by your servicing company.

The command center display shows only the point text of the first point that went into fire alarm. Pressing the [NEXT] key will manually display additional points (if any) that went into alarm. Events scroll from the oldest to the newest.

Alarm Silence Key

Press the [ALARM SILENCE] key to silence a fire alarm. After pressing [ALARM SILENCE], the system will briefly display `* FIRE SYSTEM *` followed by `ALARM SILENCED` and then the number of fire points in alarm (`A1 ## FIRE ALARM`) in the area and then the custom text of all the points in alarm in the order of occurrence. Your system may be programmed so that you cannot silence some fire alarms until the fire event is cleared. The example below illustrates the displays one would see with two points in alarm. See the description of the Detector Reset key and the Annunciator Reset key for more information.



Silencing Fire Troubles

After an alarm has been silenced, the device that caused the alarm is usually still faulted or activated. In the case of a smoke detector, it must be reset by pressing the [DETECTOR RESET] button (see page 8). An off-normal device will create a fire trouble condition. Examples of trouble conditions include such things as a closed valve or broken wire. When a fire trouble occurs, your command center emits three warble tones, then a pause (repeatedly).

The system displays the number of fire points with troubles (`A1 ## FIRE TRBLE`) in an area and will then repeatedly display the custom text for all the points in trouble in the order of occurrence.

Special System Trouble Display

`SERVC AC FAIL` and `SERVC BATT LOW` are examples of special system trouble displays. These displays appear on all keypads in the system. These trouble displays begin with `SERVC`. See *System Trouble Displays* for a description of each system trouble display. Pressing the [TROUBLE SILENCE] key will silence a system trouble tone, but the SERVC display will not clear until the faulted condition is corrected.

Trouble Silence Key

Pressing the [TROUBLE SILENCE] key silences a fire trouble. If the fault condition is still present, the display will repeatedly scroll from `* FIRE SYSTEM *` to `FIRE TROUBLE`. Manually press the [NEXT] key repeatedly to display all of the devices that are still off normal. When all devices return to normal, the `FIRE TROUBLE` display will automatically clear. If you wish to review cleared troubles, this can be done by pressing the [ESC] key to enter the Menu and then pressing [NEXT] until `VIEW MEMORY ?` is displayed. See the `VIEW MEMORY ?` function for more information.

Detector Reset Key

Description

Detection devices, such as smoke detectors, must be reset after being activated. Pressing the [DETECTOR RESET] key momentarily removes power from these sensors to reset them.

Detector Reset Key

After pressing this key, the display shows `SENSORS RESETING` for approximately 3 seconds and then goes blank before returning to the repeated display of `* FIRE SYSTEM *` followed by `ALARM SILENCED`. This function clears alarm point information from the display. The `ALARM SILENCED` message continues to display as a reminder that the `VIEW MEMORY ?` function can still be used to view cleared point information. Pressing the [ANNUNCIATOR RESET] key will clear both the View Memory buffer and the `ALARM SILENCED` display. For more information see the description of the View Memory function.

If the fault condition is still present, the display will repeatedly scroll from `* FIRE SYSTEM *` to `FIRE TROUBLE`. Manually press the [NEXT] key repeatedly to display all of the devices that are still off-normal. When all devices return to normal the `FIRE TROUBLE` display will automatically clear. Check to be certain that there is no smoke, fire, or other danger present.

If you can't reset the detector or sensor contact your service company.

Annunciator Reset Key

Description

After the [ALARM SILENCE], [TROUBLE SILENCE] and/or [DETECTOR RESET] keys have been pressed, the cleared keypad display information can still be retrieved with the `VIEW MEMORY ?` menu function. Pressing the [ANNUNCIATOR RESET] key will clear the `ALARM SILENCED` message from the display and clear the `VIEW MEMORY ?` buffer and return the display to idle text.

Thereafter the `VIEW MEMORY ?` function will display `NO EVENTS` until another trouble or alarm occurs. Using [ANNUNCIATOR RESET] has no effect on the `VIEW LOG ?` function. See the `VIEW MEMORY ?` and `VIEW LOG ?` functions for more information.

The Idle Display

“At an idle state” means that the system is not currently performing a function entered by a user.

- `PRESS ALARM SIL` Indicates that the [ALARM SILENCE] key needs to be pressed.
- `* FIRE SYSTEM *` This is the normal idle display that indicates the system is normal and ready to function.
- `CHECK FIRE SYS` This is one of a number of displays that indicate the system requires service.

This guide uses the default idle state displays for examples of these idle states. Your security company may have programmed custom text for the idle displays in your system.

Keystroke Checking Tones

Valid Entry

If you press an appropriate key for the function or entry you desire, the command center sounds a muted beep tone, indicating it accepted your keystroke.

Invalid Entry

A flat buzz tone sounds when you press a key that doesn't have a function to execute or when the command center has no information to display.

How the System Reports Alarms

Your system may be programmed to automatically send reports to your monitoring facility. This communication temporarily disconnects your telephones. Once the report is completed, your system returns the telephones to normal operation (check with your servicing company).

Your system makes repeated attempts to send reports to your monitoring facility. In the event your system fails to communicate, the command center buzzes and displays `SERVC COMM FAIL`. Notify your servicing company of the communications failure.

Note: If your telephone service is interrupted, your system cannot send reports unless it has an alternate means of transmitting them.

System Functions

Below is a summary of the features covered in this guide. Some of these functions may not be available in your menu. Access the menu by pressing the [ESC] key. The first menu item, `ALARM SILENCE ?`, is displayed. This function can be selected by pressing the [ENT] key. Doing this has the same effect as pressing the [ALARM SILENCE] key.

Pressing the [NEXT] key when `ALARM SILENCE ?` is displayed will bring up the second menu item, which is `TROUBLE SILENCE ?`. Pressing [NEXT] again displays the third item in the menu, `DETECTOR RESET ?`. Pressing [NEXT] once more displays the fourth menu item, `ANNUNCATOR RESET ?`. These menu items perform the same functions as the first four keys on the command center. Continue pressing the [NEXT] key to access special menu items that may have been programmed into your system by your servicing company. Pressing the [ENT] key while one of these items is displayed will perform that function. Each of these functions is described in the following pages.

Menu Item	Function
1	ALARM SILENCE
2	TROUBLE SILENCE
3	DETECTOR RESET
4	ANNUNCIATOR RESET
5	VIEW MEMORY
6	FIRE TEST
7	VIEW LOG
8	REMOTE PROGRAM
9	DISPLAY REV
10	VIEW PT STATUS

VIEW MEMORY?

View Event Memory

Description

Event memory allows you or a service technician to review events after they are cleared from the command center's display. Use this function to view event memory.

Your system stores events that have occurred since the last time [ANNUNCIATOR RESET] was pressed. Each time you press the [ANNUNCIATOR RESET] key, the `ALARM SILENCED` message will clear from the display and the Event Memory is erased and new events are recorded as they occur.

Using View Memory:

1. Press the [ESC] key to enter the menu, then press [NEXT] repeatedly until you reach the `VIEW MEMORY ?` prompt. Press [ENT].

2. Your system displays event summary lines and point text in this order: fire alarm summary line, point text for each fire alarm event; fire trouble summary line, point text for each fire trouble event; trouble summary line, and point text for each trouble event. Press [NEXT] to scroll through the events. If there are no events to view, `NO EVENTS` displays.

3. Return to idle text at any time by pressing [ESC].

FIRE TEST ?

Description

Use this function to test fire points to be certain they function properly. You can review untested points at your command center to help locate the remaining detectors to be tested.

Upon initiation, the fire test will test the fire pattern on the alarm output and ring the command center sounder for 2 seconds. The AC will be disabled for 4 minutes in order to test the system's battery power. If the battery cannot maintain the system for the 4 minute period, the command center will appear to go dead. If this happens, contact your servicing company. At the end of the 4 minute period, AC is returned to the system and the panel restores. A message will be sent to your monitoring facility upon initiation and completion of the Fire Test. **During the Fire Test, no alarms will be sent to your monitoring facility.**

If there is no activity on the system for 20 minutes, the system will automatically exit from the Fire Test.

Using Fire Test:

1. Press the [ESC] key to enter the menu, then press [NEXT] repeatedly until you reach the `FIRE TEST ?` prompt. Press [ENT].

2. The display shows `## PTS TO TEST`.

3. One-at-a-time, activate the detection devices to fault each point.

4. As you fault each point, your command center will display the point text for 60 seconds and the bell will sound for 2 seconds. This verifies that the detection device is working properly. Your system automatically resets smoke detectors.

   When a resettable point (such as a smoke detector) is faulted, the display shows `SENSOR RESETTING` for 5 seconds. During this time power is removed from smoke power relays.

FIRE TEST ? (continued)

Faulting a point more than once does not increment the test count. However, the command center emits a brief tone and displays the point text each time you fault the point, allowing you to test multiple devices assigned to one point.

5. When all points have been tested, `0 PTS TO TEST` is displayed. Press [ESC]. The display momentarily shows `ALL PTS TESTED` before returning to idle text.

6. During the Fire Test you may want to see the points that remain untested. Press the [ESC] key and `VIEW UNTESTED ?` is displayed. Press [ENT]. The display shows `# PTS UNTESTED`. Press [NEXT] to see a list of the points that have not yet been tested. Move through this list by pressing the [NEXT] key. To resume the Fire Test, press [ESC]. `## PTS TO TEST` is displayed.

Press [ESC] twice to leave the Fire Test mode.

Automatic time-out returns the system to idle text: If there is no point or command center activity for 20 minutes, the fire test ends automatically. The command center returns to idle text.

VIEW LOG ?

Description

Use this function to review events in your system at your command center. Reviewing past events may help you identify problems. Viewing events does not require any additional equipment since the information is displayed at your command center. Events are stored in the panel's memory in order of occurrence and tagged with the date and time.

See the *Log Event Definitions* section for more information regarding logged events.

Using View Log:

1. Press the [ESC] key to enter the Menu, then press [NEXT] repeatedly until you reach the `VIEW LOG ?` prompt. Press [ENT].
2. `ENTER START DATE` displays.

- To view the entire log from the newest event, press [ENT].

  The date and time of the event will display. Press [NEXT] to view the description of the event, or press [PREV] to view the description of the prior event. Press [PREV] again to view the date and time of the previous event.

  Continue to press [PREV] to view event descriptions and the date and time of each event.

  Note: When using the [NEXT] key to view the log, the date and time of the event are displayed first, followed by the description of the event. An event description may take up 2 displays.

3. Continue pressing [NEXT] to view the rest of the log. When you reach the end of the log, `END OF LOG` displays.
4. Press [ESC] to return to idle text.

REMOTE PROGRAM ?

Description

Your servicing company can remotely program your security system using the telephone line your panel is connected to.

Your servicing company may ask you to follow the steps below to begin a remote programming session. The time it takes to program the panel is dependent on the number of changes made to the program.

You'll notice that two sets of procedures are presented. Which one you use will depend upon whether your system has a pre-programmed telephone number in its memory.

❒ My system has a phone number.

❒ My system does not have a phone number.

For systems without a phone number:

1. Ensure your security system is at idle text.

2. Call this phone number: _____. This number is designated for the Remote Account Manager. You must make the call using the telephone located _____.

3. Identify yourself and your premises (account number, name, address, etc.) and advise the operator of the services you wish to have performed.

4. Press the [ESC] key to enter the Menu, then press [NEXT] repeatedly until you reach the `REMOTE PROGRAM ?` prompt. Press [ENT].

5. The display shows `RAM CONNECTING`.

6. The security system will now disconnect telephones sharing its telephone line during the remote programming session. Hang up the telephone now.

7. The display changes to `SYSTEM PROGRAM`.

8. At the conclusion of the programming session your system sends a report to the security company and then returns your telephone to normal service and your display to idle text.

For systems with a phone number:

1. Ensure your security system is at idle text.

2. Call this phone number: _____. This number is designated for the Remote Account Manager.

3. Identify yourself and your premises (account number, name, address, etc.) and advise the operator of the services you wish to have performed.

4. Press the [ESC] key to enter the Menu, then press [NEXT] repeatedly until you reach the `REMOTE PROGRAM ?` prompt. Press [ENT].

5. The display shows `CALL RAM ?`
   Note: The central station may direct you to press [NEXT]. When you do this, `ANSWER NOW` displays. Press [ENT] and the system will behave as described in steps 5 - 8 above.

- If you want your system to call the RAM, press [ENT] when the display shows `CALL RAM ?`.The display shows `CALLING RAM` momentarily as the panel dials the RAM phone number in its memory. The display changes to `SYSTEM PROGRAM` when it has connected to RAM.

6. At the conclusion of the programming session your system sends a report to the security company and then returns your telephone to normal service and your display to idle text.

VIEW PT STATUS ?

Description

Use this function to identify the number or location of each point in an area, and to show the current condition of any point you select. This function is useful as an aid in servicing the system.

1. Press the [ESC] key to enter the Menu. Press [NEXT] until the `VIEW PT STATUS ?` function is displayed.

2. Press [ENT]. The display shows `AREA X ##` (where X = the area number and ## = the number of points to view).

3. Press [ENT]. The display shows `PT ## XXXXX` (where XXXXX = the type of point). Press [ENT] again to see the current condition of the point. The display will show one of the following:

   - `PT###_SHORT_HW` which indicates that a hard wire (HW) point is shorted.
   - `PT###_OPEN_HW` which indicates that a HW point is open.
   - `PT###_NORML_HW` which indicates that a HW point is normal.
   - `PT###_MISNG_HW` which indicates that a HW point is missing.

4. Continue to press [ENT] to see the type and condition of each point in the area.

5. Press [ESC] to return to idle text.

DISPLAY REV ?

Description

This function displays the revision of firmware currently installed in the panel.

1. Press the [ESC] key to enter the Menu. Press [NEXT] until the `DISPLAY REV ?` function is displayed.

2. The current revision of firmware displays (`9112 REV  # # - # #`) for 5 seconds.

3. The display returns to idle text.

System Trouble Displays

If you see any of the system trouble displays shown below, contact your servicing company to determine whether repairs are needed.

CALL FOR SERVICE

Call your servicing company. Your security system may have failed.

SERVC PANEL

Indicates a problem with the panel. The panel is not operating. Call your servicing company for service.

SERVC PARAM

Indicates a problem with the panel. Your panel may not be operating properly. Call your servicing company for service.

SERVC AC FAIL

Indicates that AC power to the system is interrupted. Check the plug-in transformer and circuit breaker. Pressing [TROUBLE SILENCE] silences the trouble buzz. The display clears when AC power returns.

SERVC BATT LOW

Indicates the system's battery is low, or temporarily draining faster than the system can charge it. If this display remains or appears frequently, call your security company for service.

SERVC BATT MSING

Indicates the system's battery is disconnected or shorted.

SERVC COMM FAIL

Your system makes repeated attempts to communicate with the monitoring facility. In the event your system fails to communicate, the command center buzzes and displays `SERVC COMM FAIL`. Notify your servicing company of the communication trouble. This message may not appear in some systems.

SERVC KEYPAD

Indicates that a command center, other than the one displaying the message, is in a trouble condition. Notify your servicing company.

SERVC PH LINE #1 (or 2)

Indicates telephone line trouble. Call your phone company from another phone to report telephone trouble. This message may not appear in some systems.

SERVC PRINTER

Indicates that a local printer (if installed) at your premises is in a trouble condition. Check to be sure the printer is powered on, the paper is correctly is inserted, and the printer is selected. Contact your servicing company if you have questions or the display doesn't clear. You system may not include a local printer.

SERVC PT BUS #

Displays when a problem has occurred with one of the panel's circuits. Call your security company.

FIRST DISARM

Indicates that the function requested can only be performed when the idle display shows `* FIRE SYSTEM *`. Press the [ALARM SILENCE] key.

ALARM SILENCED

This display is added to the scrolling alarm display when alarm sounders are silenced. This message clears when the [ANNUNCIATOR RESET] key is pressed.

FIRE BYPASS

This display is scrolled when a fire point has been removed from the system via the keypad using the Bypass a Point ? function.

Log Event Definitions

AC FAIL - AC power to the panel interrupted.

AC RSTOR - AC power to the panel restored.

ALARM - Alarm at point in area specified.

AUTO - Event Modifier for BYPASS event. Indicates 4 alarms or troubles in one clock hour caused automatic (swinger) bypass.

BAD CALL - System tried to call Remote Account Manager and failed.

BATT LOW - Panel battery is below 11.7 VDC.

BATT MISS - Panel battery disconnected or discharged.

BATT RSTOR - Panel battery recharged.

BUS RSTOR - Data Expansion Loop for off-board points restored.

BUS TRBLE - Data Expansion Loop for off-board points faulted.

BYPASS - Point bypassed. An event modifier showing how the point was bypassed follows this event in the log.

CANCEL - User canceled an alarm from the area specified.

CKSUM FAIL - Panel programming corrupted. Call for service.

COMM FAIL - Panel could not communicate using phone line reported.

COMM RSTOR - The communication problem with the phone line indicated resolved.

DATE CHG - User changed panel's date and/or time.

EXTRA PT - Incorrectly programmed point connected to system.

FIRE ALARM - Fire alarm at point in area specified.

FIRE END - Fire Walk Test ended.

FIRE RSTOR - Fire alarm at point specified restored.

FIRE TRBLE - Trouble condition at point specified.

FIRE START - Fire Walk Test started.

LOG FULL - Panel log is full. New event overwrite oldest event.

LOG THRES - Panel log reached programmed threshold (Log % Full).

MISS FIRE - Fire point specified missing.

MISS TRBLE - Point in area specified missing. Area disarmed.

PARAM CHG - Panel programming changed.

PHONE FAIL - Panel detected phone line specified as faulted.

PHONERESTOR - Phone line specified detected as restored from faulted condition.

PROG - Event modifier for BYPASS, RELAY SET, and RELY RESET events. Indicates function initiated from local programmer.

PROG BAD - Attempt to access panel with a local programmer failed.

PROG OK - Panel successfully programmed by a local programmer.

PT TESTED - This point walk tested.

PWR RESET - Power was reset at specified time.

RAM FAIL - RAM programming session terminated abnormally or RAM using incorrect passcode and/or lock code.

RAM OK - RAM programming session terminated normally.

REBOOT - Panel reset.

RELAY SET - Relay set (activated). An event modifier showing how the relay was set follows this event in the log.

RELY RESET - Relay reset (deactivated). An event modifier showing how the relay was reset follows this event in the log.

REMO - Event modifier for BYPASS, RELAY SET, and RELY RESET events. Indicates function initiated from RAM (Remote Account Manager).

REMO RESET - Panel reset from RAM (Remote Account Manager).

RESTORAL - Restoral at device in area specified.

SDI FAIL - SDI device specified is not working. 1 - 8 = supervised command centers, 017, 018, 019 = printers.

SDI RSTOR - The problem with SDI device specified resolved.

SENSOR - Event modifier for SENS RESET event. Shows the relay number activated for reset.

SENS RESET - User reset area sensor in area specified. An event modifier showing the relay number activated for reset follows this event.

SKD CHG - User changed time for Sked specified to be executed.

SKD XEQ - Sked executed.

SKED - Event modifier for BYPASS, RELAY SET, and RELY RESET events. Indicates function initiated by a SKED (scheduled event).

STAT RPT - Status report sent.

TEST RPT - Test report sent.

TIME CHG - User changed panel's time.

TROUBLE - Trouble condition at point specified.

WALK END - Walk test in area specified completed.

WALK STRT - Walk test initiated in specified area.

WATCHDOG - Panel's normal CPU operation interrupted and restarted. Call for service if event occurs regularly or frequently.

System Glossary

Area - A group of detection devices connected to your security system.

Monitoring Facility - A facility where trained personnel monitor your system 24 hours a day. Your system may be programmed to contact this facility during alarm conditions, enabling personnel to dispatch the proper authorities.

Menu - A list of functions programmed by your servicing company.

Faulted Point - A point that is not normal.

Idle Text - The system displays idle text at command centers when it is not performing a user requested function. Idle text shows the status of the system.

Point - A detection device, or group of devices connected to your system. Points display individually at the command center with custom text. The text can describe a single smoke detector, or an area such as UPSTAIRS or GARAGE.

Relay - Your system may have relays programmed to provide control of devices such as premises lighting or entry gates. Your security company programs relays for automatic control and/or control from your command center.

Trouble - A service condition that needs to be corrected, such as a broken wire.

Maintenance and Service

This system requires very little maintenance, however, you should test the system weekly to ensure it is working properly. A test schedule and maintenance program can be arranged. If you notice a change in operation during normal use or testing, call for service as soon as possible. Do not attempt to repair the control panel, command centers, or detectors yourself.

How to Clean the Command Center

If your command center gets dirty, apply a household glass cleaner to a clean cloth or paper towel and wipe the surface. Do not spray any liquid directly onto the command center. It could run inside the case and damage electrical circuits.

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