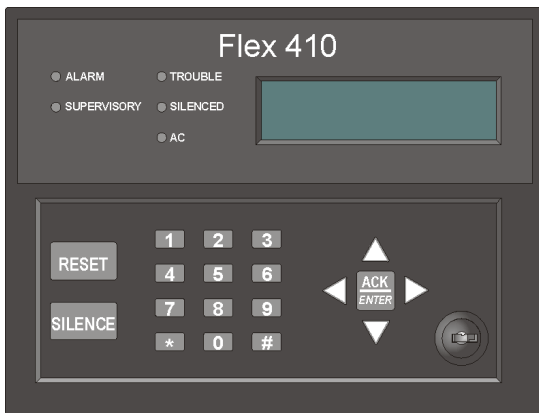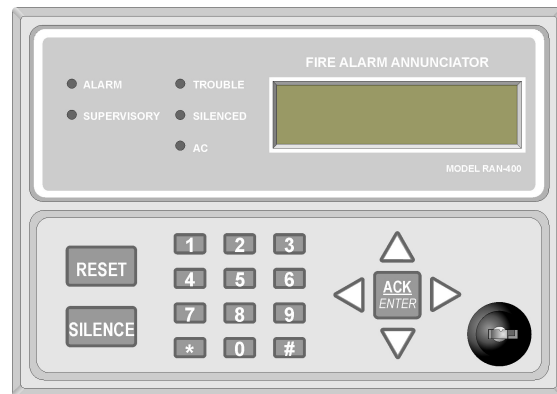# Section 5
Operation

To operate the Flex 410 you can use the Flex 410 onboard touchpad or the RAN-400 Remote Annunciator.

Flex 410 Onboard Touchpad

RAN-400 Remote Annunciator

Important! Upon initial power up there is a 45 second delay before the initiation circuits become active. The system will be ready to receive alarms once the display indicates "System Normal"

5.1   Installer & User Keys

An installer key and an OPR key ships with the panel and an OPR key ships with the RAN-400 (Figure 5-1). The installer key opens the panel door and the OPR key can be used to perform user operations without a user code but will not open the panel door. All installer operations require an installer code. To perform user operations without a user code, insert and turn the key as shown in Figure 5-1. See Table 5-1 for a list of user and installer operations.
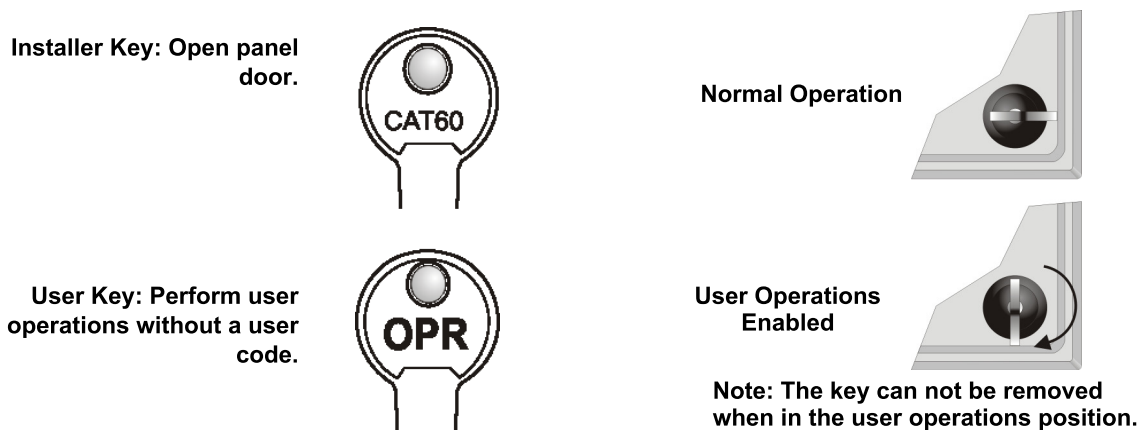
Installer Key: Open panel door.

Normal Operation

User Key: Perform user operations without a user code.

User Operations Enabled

Note: The key can not be removed when in the user operations position.

Figure 5-1 Keys & Key Operation

5.2 Onboard Annunciator and RAN-400 Operation

Basic operations for the onboard annunciator (touchpad) and RAN-400 are described in Table 5-1. If you are using an annunciator key or the Plex Door option, you are not required to enter a Code for operator level functions.

If no keys are pressed for 4 minutes while in program mode, the system will time out and resume normal operation.

Table 5-1: Basic Panel Operations Using the On-Board Annunciator and the RAN-400

How To	Do This			Comments
	Press	**Display Message**	**Press***	
Test the system	`0` `ACK ENTER`	System Test Enter Code	Enter Code	System performs a display lamp test, a communication test, and displays the firmware number and revision. See 5.2.1 for an example.
Reset Alarms	`1` `ACK ENTER` or `RESET`	Reset Alarm Enter Code	Enter Code	Resets system.
Clear History	`2` `ACK ENTER`	Clear History Enter Code	Enter Installer Code	Clears event history of all events.
Reset the Dialer	`3` `ACK ENTER`	Reset Dialer Enter Code	Enter Code	Resets the dialer and aborts the call to central station.
Call Computer to Up/Download	`4` `ACK ENTER`	Call Computer Enter Code	Enter Installer Code	Will dial the programmed phone number for the computer to initiate an up or download.
Display History Events	`5` `ACK ENTER`	History Events Enter Code	Enter Code	Displays the panel history, which includes alarms, supervisories, troubles, reports, time and date changes, etc.
Show Status	`6` `ACK ENTER`	Show Status Enter Code	Enter Code	View existing system status. List Alarms first, supervisories and then troubles.
Silence Troubles or Alarms	`7` `ACK ENTER` or `SILENCE`	Silence Enter Code	Enter Code	
Set the Date	`8` `ACK ENTER`	Set Date Enter Code	Enter Code	Enter 8 digits for the date. For example, to set the date 08/31/1999 enter 08311999. Press `#` to clear incorrect entries.
Set the Time	`9` `ACK ENTER`	Set Time Enter Code	Enter Code	Enter the time in 24 hour increments. For example, 1:00 pm = 13:00.
Disable/Enable a Zone	Zone # + `*`	Disable Zone Enter Code	Enter Code	Repeat the process to enable the zone.
Disable/Enable NAC	`1` `0` NAC # `*`	Disable NAC Enter Code	Enter Code	Repeat the process to enable the NAC. **Note:** To disable the Direct Connect Circuit use NAC 5.
Conduct a Fire Drill	`2` `0` `ACK ENTER`	Fire Drill Enter Code	Enter Code	To End the Fire Drill press `RESET` then code.
Reset Detectors	`2` `1` `ACK ENTER`	Rst Smk Pwr Enter Code	Enter Code	Resets all smoke detector power.
Walk Test the System	`2` `2` `ACK ENTER`	Walk Test Enter Code	Enter Code	To End the Walk Test press `RESET`.
Menu of Options	Press ▽ or △ to scroll through list.			To exit press `ACK ENTER` or wait 15 seconds.

* Code = *any valid operator or installer code.*

5.2.1   View Control Panel Firmware Number and Revision

When ⬛0 ⬛ACK/ENTER and the code is entered the system will perform a display lamp test, a communication test, and display the firmware number and revision as shown in Figure 5-2.
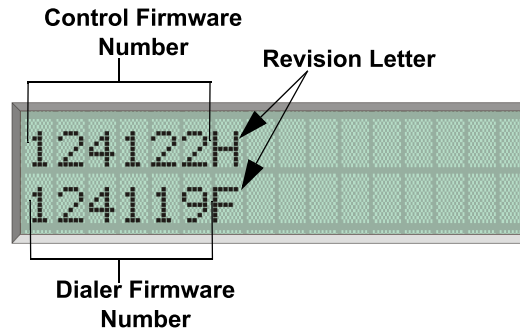

Figure 5-2 Firmware Numbers and Revisions

5.3   Acknowledge Operation

To display an event, first press the ⬛ACK/ENTER , while the event is displayed the event can be

acknowledged by pressing the ⬛ACK/ENTER button again. No code is required to acknowledge events. The status LEDs (Alarm, Supervisory and Trouble) will flash when an un-acknowledged alarm, supervisory, or trouble condition exists.

After each event has been acknowledged its associated LED (Alarm, Supervisory, or Trouble LED) stop flashing and turn on steady. When viewing system status the LCD displays "Acked" for each individual event once has been acknowledged. The control panel piezo will silence after all alarms have been acknowledged.

Note: The control panel piezo will continue to sound for Supervisories and Troubles even after the event has been acknowledged. Supervisories and troubles will silence once the event is restored.

After the event is acknowledged an event is added to the event history buffer. Acknowledged events in the history buffer will be preceded with an asterisk "*".

5.4 LED Indicators

Five light emitting diodes (LEDs) appear in the Flex 410 built in annunciator and remote annunciator. The chart below explains the meaning of these LEDs.

Table 5-2

LED	Status	Condition
ALARM (red)	Off	Normal condition
	On	System in alarm and all alarms have been acknowledged.
	Flashing	LED will flash when a alarm condition exists that has not been acknowledged.
SUPERVISORY (yellow)	Off	Normal condition
	On	If a supervisory condition exist on the system.
	Flashing	LED will flash when a supervisory condition exists that has not been acknowledged.
TROUBLE (yellow)	Off	Normal condition
	On	Trouble condition exists
	Flashing	LED will flash when a trouble condition exists that has not been acknowledged.
SILENCED (yellow)	Off	Normal condition.
	On	Alarm or trouble condition has been silenced but condition still exists.
AC (green)	On	Panel is running on AC (normal condition); standby battery fully charged.
	Off	Panel has lost all power.
	Flashing	Panel is running on battery power only or AC power only.