First Alert
PROFESSIONAL SECURITY SYSTEMS®

REMOTE KEYPADS
FA220KP, FA270KP, FA570KP

INSTALLATION AND SETUP GUIDE

Keypad Features	FA220KP Fixed-Word	FA270KP Fixed-Word	FA570KP † 2-Line Alpha
Backlit Display	NO	YES (See Note 1)	YES (See Note 1)
Dedicated Function Keys	NO	YES	YES
Built-in Sounder	Piezo-electric	Speaker	Speaker

First Alert Pro Controls	FA220KP Fixed-Word	FA270KP Fixed-Word	FA570KP † 2-Line Alpha
FA130CP**, FA148CP**, FA168C**, FA168CPS**, FA1220CV**, FA1340C**, FA2000C*	YES	YES	See Note 2
FA1600C/CA/CB**, FA1660C**, FA1700C**	NO	NO	YES

† The FA570KP must be used to program the FA130CP, FA148CP, FA168C, FA168CPS, FA1220CV, FA1340C, FA1600C/CA/CB, FA1660C, FA1700C, and FA2000C controls.
* Use the non-addressable mode with this (FA2000C) control (set to address 31).
** Use the addressable mode with these controls (addresses 00-30).
Notes: 1. Display backlighting is supported and timed out (see the control's instructions for details).
2. The FA570KP is required for certain advanced user functions (see the control's instructions for details).

GENERAL INFORMATION

The FA220KP, FA270KP & FA570KP are addressable, remote keypads and are intended for use with the controls listed in the table above. Addresses are set via the keypad keys (no DIP switches). The keypads are also compatible with older control panels using the non-addressable mode (address 31).

KEYPAD DISPLAYS AND LEDS

The keypads have the following features of the display:

Model	Fixed Word Display	2-line Alpha Display	2, 3-digit Zone Identifier	Custom Zone Descriptors
FA220KP	X		2-digit	
FA270KP	X		3-digit	
FA570KP		X	3-digit	X

The following table shows the LEDs and their functions:

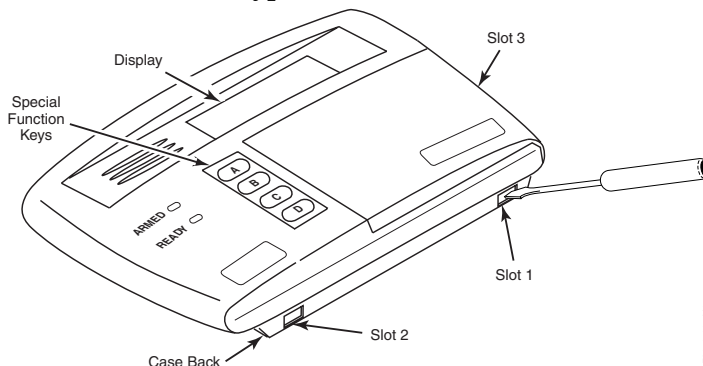| LED	Function
Red	Lights when the system is armed in any mode
Green	Lights when the system is "ready" to be armed.

SPECIAL FUNCTION KEYS

The keypads also feature programmable Special Function keys. (See table below.) These keys may be programmed for panic alarms or other special functions. See the control's instructions for details. The FA220KP uses the panic key pairs only. **Special Function keys must be held down for at least 2 seconds to activate an alarm.**

FA270KP/FA570KP	FA220KP
A or (1 & ∗)	(1 & ∗)
B or (∗ & #)	(∗ & #)
C or (3 & #)	(3 & #)
D	NONE

WIRING AND INSTALLATION

The keypads can be surface mounted directly to a drywall, or to a single- or double-gang electrical box.

1. **To remove the case back,** insert a small screwdriver blade at a **downward angle** into Slot 1 and twist (the right side pops up). Insert the screwdriver blade at a **downward** angle into Slot 2 and twist (the left side pops up). Insert the screwdriver blade into right side **narrow** Slot 3 and twist. Separate the case back from upper case.

2. **Route** wiring **from the control panel** through the large opening in the case back.

3. **Mount the case back** to a wall or electrical box.

4. **Use the wiring table on the next page when connecting the keypad. Wire directly** from the keypad's terminal block to the terminal block on the control's PC board. Wire functions are marked next to terminals. See the control panel's Installation Instructions for more complete details.

5. **Reattach the keypad to its case back**.

FA270KP (shown) & FA570KP contain four Special Function Keys
(Special Function Keys not available on the FA220KP)

SETTING THE KEYPAD ADDRESS

The keypad can either be set for an address of 00-30, or to the non-addressable mode (31). The keypad's default address is 31.

To change the keypad's address, do the following:

1. Enter address mode: Power up the keypad. Within 60 seconds of power-up, press and hold down the [1] and [3] keys at the same time for 3 seconds. (If unable to enter address mode, power up and try again.)

   The current keypad address will be displayed, and the cursor will be under the "tens" digit. If 10 seconds have passed with no key entry, the keypad automatically exits address mode. You must power down, power up and start address mode again.

   NOTE: The keypad will not enter address mode if the panel to which it is connected is in programming mode.

2. Set the current address to "00": Press [0] to clear the current "tens" digit. The cursor will move to the "ones" digit position. Press [0] to clear the current "ones" digit. The cursor will move back to the "tens" digit position.

3. Enter the keypad's address: Enter the proper "tens" digit of the keypad's address. The cursor will move to the "ones" digit position. Enter the proper "ones" digit of the keypad's address. Note that address "31" sets the keypad to non-addressable mode.

4. Exit address mode:
   Press [✱] to save the displayed address and exit address mode.

VIEWING THE KEYPAD ADDRESS

Press and hold down the [1] and [3] keys at the same time for about 3 seconds. The current address is displayed. No key entry is allowed. Press any key to exit or wait 10 seconds to automatically exit viewing mode.

FUNCTION KEY LABELS

A set of adhesive-backed labels with some typical function symbols (i.e., fire, police, personal emergency, etc.) is provided. These labels can be placed on or next to the keys to identify each key's function for the end user (as determined by the control panel's capability and programming; see the control's instructions).

SPECIFICATIONS

Physical:

FA220KP:	6-1/8"W x 4-1/4"H x 1-1/8"D (155.6mm x 108.0mm x 28.6mm)
FA270KP:	6-5/8"W x 4-7/8"H x 1-1/8"D (168.3mm x 123.9mm x 28.6mm)
FA570KP:	7-3/4"W x 5-3/8"H x 1-5/16"D (197mm x 136.5mm x 28.6mm)

WIRING TABLE

Keypad		Control Panel	Color
▲ G	Data Out	Data In	Green
-	GND	- Aux Power	Black
+	+12VDC	+ Aux Power	Red
▼ Y	Data In	Data Out	Yellow

Displays:

FA220KP, FA270KP:	Fixed-Word LCD Fixed-Word LCD (backlit).
FA570KP:	2 x 16 alpha-numeric supertwist LCD, backlit.

Sounder:

FA220KP:	Piezo-electric (fire alarm is loud, pulsing single tone; (all Keypads) burglary alarm is loud, continuous, dual tone).
FA270KP, FA570KP:	Speaker Speaker

Voltage: 12VDC

Current:

FA220KP:	55mA sounder on, 30mA standby, alarm sounder off.
FA270KP:	100mA (ARMED LED lit, LCD backlight and sounder on), reduces to 40mA when panel is operating in standby mode (backlight off).
FA570KP:	150mA (ARMED LED lit, LCD backlight and sounder on), reduces to 40mA when panel is operating in standby mode (backlight off).

REFER TO INSTALLATION INSTRUCTIONS FOR THE CONTROL PANEL WITH WHICH THIS DEVICE IS USED FOR WARRANTY INFORMATION AND LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

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