

# FA100C First Alert Professional Security System

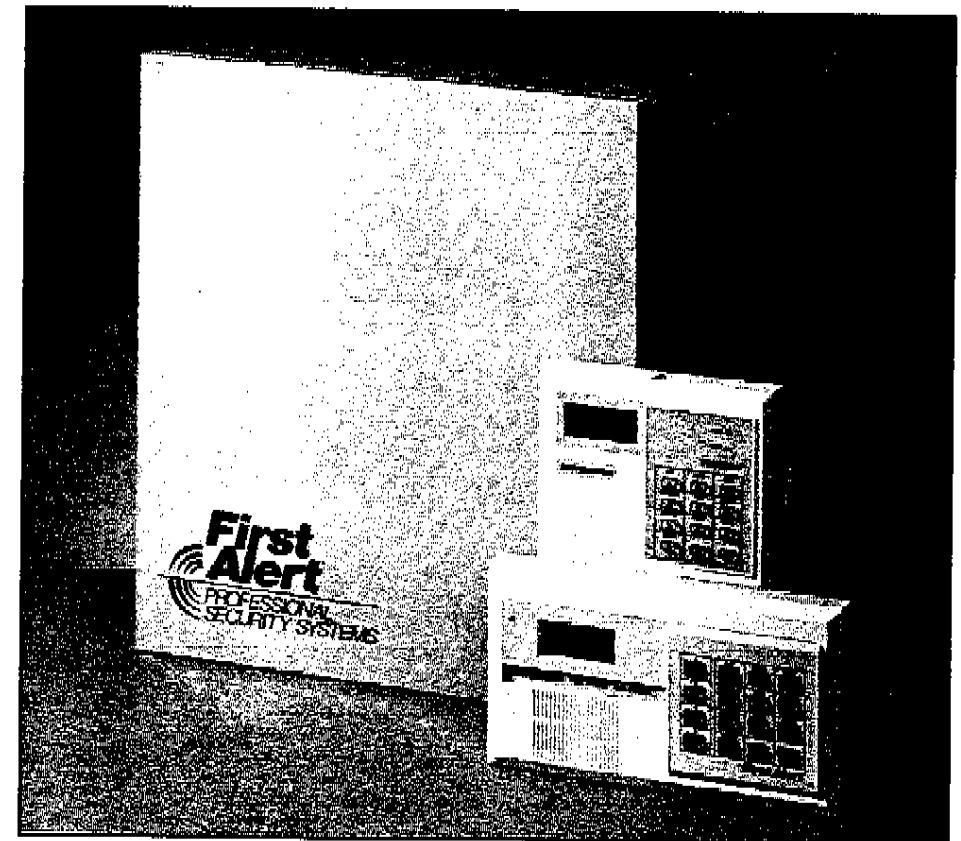
The FA100C is a low cost control unit having attributes of systems that cost much more. It uses English language keypads and has site initiated downloading.

## Zone Features:

- 6 programmable zones, 1 keypad zone, plus duress
- 1 zone can be supervised fire using four-wire smoke detectors
- End of line resistor supervision on all zones for normally open or closed contacts
- Normal response, 400 msec, on all zones, selectable for fast response (10ms) on 1 zone
- Zone types: entry/exit, perimeter, interior follower, day trouble/night alarm, 24 hour silent panic, 24 hour audible panic, 24 hour auxiliary, fire, with and without time-out
- Interior zone bypassed with STAY and INSTANT functions
- Zone restore reporting - at sounder time-out if zone restored or at next system disarming

## Operation Features:

- All keypads have an English language display and a 4-wire connection to the control. Up to 6 keypads can be used depending upon model selected and other powered devices.
  - FA200KP is a low-cost keypad using a numeric zone LCD with fixed English status words, 20 mA current draw
  - FA300KP uses a numeric zone LCD with fixed English status words, backlit keys, 60 mA current draw
  - 5330 Ademco AlphaView keypad provides a custom English read-out of zone description and status on a 2 line backlit LCD with 16 characters per line, backlit keys, 105mA current draw. A unique built-in user's manual greatly increases ease of use
- Keyswitch arming with status indication and tamper protection
- Test mode checks sounder, generates communicator test report, system can be walk tested
- 4 user codes consisting of 1 master code and 3 secondary codes
- Swinger suppression - 16 is the



- maximum number of alarms and trouble reports permitted per armed period
- Individual bypass by zone
- EZ Bypass - single bypass entry for all zones that are faulted
- Fire alarm sounding turned off by single entry of OFF key
- Chime mode on entry/exit and perimeter zones
- Quick arming requires only a 2 key entry for an arming mode, if enabled. Reports as User 0
- Interior zone bypassed with STAY and INSTANT arming
- INSTANT and MAXIMUM mode cancels entry delay
- Entry delay eliminated with MAXIMUM arming with interior protection on
- One keypad activated panic zone
- Entry time: 0, 20, 30 or 45 seconds
- Exit time: Entry time plus 15 seconds
- Alarm cut-off time: 4, 8, 12 minutes or no time-out
- Extra large cabinet with removable door for wiring ease

## Output Features:

- Built-in alarm relay, SPS1: steady output for burglary/audible emergency and pulsed for fire
- Pre-alarm, trouble and alert sounder built-in into keypads
- Alarm current: 2.0 amps, 12VDC, fuse protected

## Communication Features:

- Touchtone or pulse dial
- Formats:
  - Ademco 4+2 Express: 10 characters/sec. DTMF (Touch-tone) data tone, 1400/2300 Hz ACK, 1400 Hz kiss-off, checksum verification
  - Ademco Low Speed: 10 pulses/sec, 1900 Hz data tone, 1400 Hz ACK/kiss-off
  - Radionics: 20 pulses per second, 1800 Hz data tone, 2300 Hz ACK/kiss-off
- 3+1, 4+1, and 4+2 reporting in slow speed formats
- Dual telephone numbers
- Back-up reporting: 8 attempts made to primary and another 8 attempts to secondary telephone number
- Expanded reporting: alarms and restorals by zone; open/close by user

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- Hexadecimal reporting
- 4-digit PABX code and 12-digit telephone number
- True dial tone detection
- Double pole line seizure
- Communication delayed for 15 seconds on burglary zone (not panic or fire zones) if selected
- Control low battery report when battery reaches 11.2 - 11.6 volts
- AC power loss report

## Electrical:

- Auxiliary current: 500 mA, 12VDC, current limited
- Low battery shutdown: 9.8 - 10.5 volts
- Transformer: 16.5VAC, 25VA (Ademco No. 1321/TF21)
- Standby time: 7 hours with 400mA auxiliary load using a 12 volt, 4 Ah battery
- Battery charging voltage: 13.8 VDC
- Alarm current: 2.0 amps, 12VDC fuse protected

## Programming:

- Programmable through keypad in non-volatile EEROM memory
- Site initiated remote download from an IBM compatible PC
  - Requirements: MS-DOS 3.1 or higher, Hayes 1200 Smartmodem, FADL V-Link software
- Downloading security with: security code handshake, data encryption, operator access levels to files and functions, date/time stamping with operator ID
- Remote download capabilities:
  - Change user codes
  - Enter new program
  - Upload resident control program

## How to Order

**FA100C** - Control/Communicator; includes transformer, and cabinet. If required, order lock separately (Ademco Nos. P3422 and P3422-1)

**FA200KP** - Basic keypad; zone numeric LCD with fixed English status words, piezo sounder, 20mA current draw

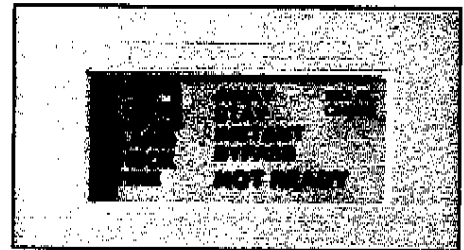
**FA300KP** - Enhanced keypad; numeric LCD with fixed English status words, backlit keys, piezo sounder, 60mA current draw

**5330** - Ademco AlphaView™ keypad; 2 line backlit LCD (16 characters per line) using custom English words for zone descriptions and status, built-in user's manual, backlit keys, piezo sounder 105mA current draw

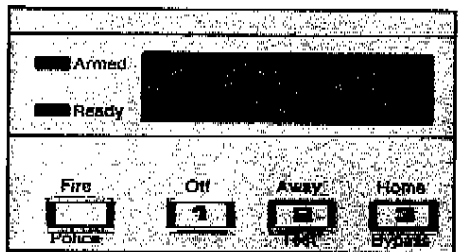
**4116** - Ademco keyswitch; LED status indicator, tamper switch. Order switch separately (No. 4005-70 Medeco, No. 4073-70 Ace Round Key or 2174-70 Flat Key)

**FADL** - V-Link™ downloading software

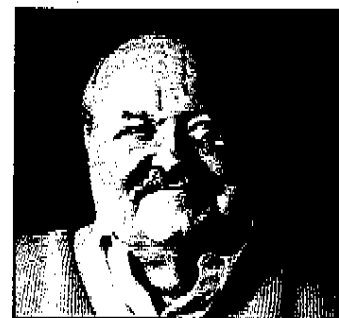
Order control battery separately.



Fixed English display  
(FA300KP and FA200KP)



Custom English display  
(Ademco 5330)



William Conrad