

FA110C First Alert Professional Security System

The FA110C is a low cost control having attributes of systems that cost much more. The FA110C has pager capability and built-in wired zones. It uses English language keypads, and is fully downloadable from a remote location or on-site.

Zone Features:

- 6 programmable zones, 3 keypad zones, plus duress
- 1 zone unit 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, one zone can be 10 msec.
- Zone types: entry/exit, perimeter, interior follower, interior with delay, day trouble/night alarm, 24 hour silent panic, 24 hour audible panic, 24 hour auxiliary, fire
- Interior zone bypassed with STAY and INSTANT functions
- Zone restore reporting - at sounder time-out if zone restored or at next system disarming

Pager Features:

- Control can call a pager on the secondary telephone number
- Ademco Contact ID must be present in the primary reporting format
- Entries to program field *49 (split/dual reporting) to page messages:

Primary

- 6 = All reports except open/close
- 7 = All reports
- 8 = All reports

Secondary (Paging Number)

- 6 = Alarms/open/close, troubles
- 7 = Alarms, Troubles
- 8 = Alarms, open/close, troubles

Touch Tone Codes sent to pager

- 1911 = Alarm 1002 = Close
- 1001 = Open 1811 = Trouble

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.
- FA210KP is a low-cost keypad using a numeric zone LCD with fixed English status words, 20mA current draw. FA210KP has backlit keys and draws 30mA.



- FA250KP keypad uses a numeric zone LCD with fixed English status words, backlit keys, and display, 90mA current draw.

- Master code can be changed by master code user
- Keyswitch arming with status indication and tamper protection.
- Test mode checks sounder, generates communicator test report; system can be walk tested
- 8 user codes consisting of 1 master code and 6 secondary codes + separate duress
- Swinger suppression - 10 is the maximum number of alarm and alarm restore 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
- Three keypad activated panic zones
- Entry time: 0, 20, 30, 45, 60 or 90 seconds
- Exit time: Entry time plus 15 seconds
- Available exit warning option
- Alarm cut-off time: 4, 8, 12 minutes or no time-out
- Option to briefly activate the sounder to confirm arming
- Powers up in previous state after complete power loss
- Extra large cabinet with removable door for wiring ease

Output Features:

- Temporal pulse rhythm for fire sounding
- Built-in alarm relay, SPST: steady output for burglary/audible emergency and pulsed for fire
- Pre-alarm, trouble and alert sounder built-in into keypads

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Communication Features:

- Periodic test report can be programmed for daily, weekly, or none
- AC power loss report is sent at a random time delay up to 1 hour
- Telephone number entries can contain *, #, and a two second pause
- Touchtone or pulse dial
- Formats:
 - Ademco contact ID
 - Ademco 4+2 Express: 10 characters/sec. DTMF (Touchtone) data tone, 1400/2300 Hz ACK, 1400 Hz kissoff, checksum verification
 - Ademco Low Speed: 10 pulses/sec, 1900 Hz data tone, 1400 Hz ACK/kissoff
 - Radionics: 20 pulses per second, 1800 Hz data tone, 2300 Hz ACK/kissoff
- 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, restorals, bypasses and trouble by zone; open/close by user
- 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
- Split dual reporting: all or certain reports can be sent to two different telephone numbers.

Electrical:

- Auxiliary current: 500 mA, 12VDC, current limited
- Low battery shutdown: 9.8-10.5 volts
- Control checks for physical battery connection every two minutes
- Transformer: 16.5VAC, 25VA (No. 1321/TF21)

- Standby time: 7 hours with 400mA auxiliary load using a 12 volt, 4 Ah battery (gel-type)
- Battery charging voltage: 13.8 VDC
- Alarm current: 2.0 amps, 12VDC current limited

Programming:

- Programmable through keypad in non-volatile EEROM memory
- Site or remote initiated download from an IBM compatible PC
 - Requirements: MS-DOS 3.1 or higher, Hayes 1200 Smartmodem, FADL software
- Telco hand-off feature for downloading - easy site initiated download
- Account takeover protection - prevents unauthorized takeover of your accounts
- 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
 - Shut down communications
 - Shut down all functions
 - Inhibit keypad programming
 - Read arming status
 - Read AC power status
 - Read list of faulted zones
 - Read list of bypassed zones
 - Read list of zones in alarm or trouble
 - Read list of RF sensors with low battery condition
 - Answering machine defeat mode

How to Order

FA110C - Control/Communicator; includes transformer, 4 Ah battery and cabinet. If required, order lock separately (Ademco Nos. P3422 and P3422-1)

Use gel type 12V4AH, No. 467

FA210KP - Deluxe keypad; backlit keys, zone numeric LCD with fixed English status words, piezo sounder, 30mA current draw

FA250KP - Enhanced keypad; backlit keys, large backlit numeric LCD with fixed English status words, integral warning speaker

FADL31 - Downloading software

FADL31-UD - Update disk

Wiring Cabinet:

Height: 14.375"

Width: 12.50"

Depth: 3.00"



Fixed English Display
(FA210KP and FA250KP)

**First
Alert**[®]
PROFESSIONAL
SECURITY SYSTEMS

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