

The FA2100C Fire and Burglary Control Communicator (12V and 24V Power)

Primary Features

- UL 864 Listed - Commercial Fire
- NFPA 72 Central Station, Remote station and local
- UL Commercial Burglary
- 5 supervised and programmable Style B zones
- 1 supervised notification appliance circuit
- Supports 12V burglary and 24V fire notification appliances (1.7A)
- Relay, Form C
- Downloadable dual phone line
- 24 hour test
- Major communications formats

System Description

The First Alert Professional FA2100C is a UL Listed, micro-processor based 5-zone commercial fire and burglary control communicator. It can monitor fire alarm, emergency alarm, burglary alarm and fire sprinkler supervisory sensors. When the FA2100C detects an alarm, supervisory or trouble condition, it triggers an on-premises warning indication and transmits a message to a central station via the dial-up telephone network.

The FA2100C is UL864 listed and conforms to NFPA 72 standards for local, central station and remote station services. Five supervised style B initiating circuits are provided and each circuit is programmable for a full range of responses.

Two telephone lines are supervised. Audible signal circuits are 24VDC, 1.7A power, suitable for ADA compliant strobes, 24V indicating circuit and an auxiliary form C relay. The FA2100C supports one two-wire smoke detection circuit.

The FA2100C sends a test signal to the central station every 24 hours.

Expanded Features

Zones Supported

- Up to 5 Style B hardwired zones
- Each zone programmable for:
 - fire alarm without verification
 - fire alarm with verification
 - fire waterflow alarm



- alarm or fire sprinkler supervisory response
- 24 hour audible or silent alarm
- entry/exit burglary alarm
- perimeter burglary alarm
- interior burglary alarm
- day trouble/night burglary

Relay Outputs

- 12V, 1A style Y EOLR Style supervised indicating circuit for polarized 24V fire alarm
- Auxiliary relay Form C output

Remote Keypads

- FA250KP fixed word keypad or FA550KP alpha keypad
- FA250DRD: Red inlay for FA250KP
- FA550DRD: Red inlay for FA550KP

Communication

Main and back-up telephone interfaces which allow alarm, supervisory and trouble conditions to be reported to central station.

Programming

May be programmed on-site using the FA550KP alpha keypad or remotely via telephone lines using IBM compatible PC running First Alert Professional download software and Hayes modem.

Regulatory Agency Listing

- UL 864/NFPA 72 Local, central station and remote station fire alarm service
- UL 609 Grade A Local Mercantile Premises and Local Mercantile Safe and Vault burglary alarm service

- UL 611/UL 1610 Grade B Central Station burglary alarm service (Grade A service will be available with the 7720PLUS LORRA)
- UL 365 Grade A Police Connect burglary alarm service

Dimensions

18" H x 14.5" W x 4.3" D

Electrical Specifications

AC Power

Built-in AC power transformer which supports the FA2100C (and PS24 power supply module) and requires nominal 120VAC, 2.5A input.

Battery

12VDC, 7AH min-24AH max lead acid battery float charging voltage; 13.7VDC nominal when FA2100C without PS24 power supply; 24 hour standby time with up to 400mA combined aux power, #1/aux power, #2/aux relay load using 24AH battery. 60 hour standby time with up to 225mA combined aux power #1/aux power #2/aux relay load using 24 AH battery.

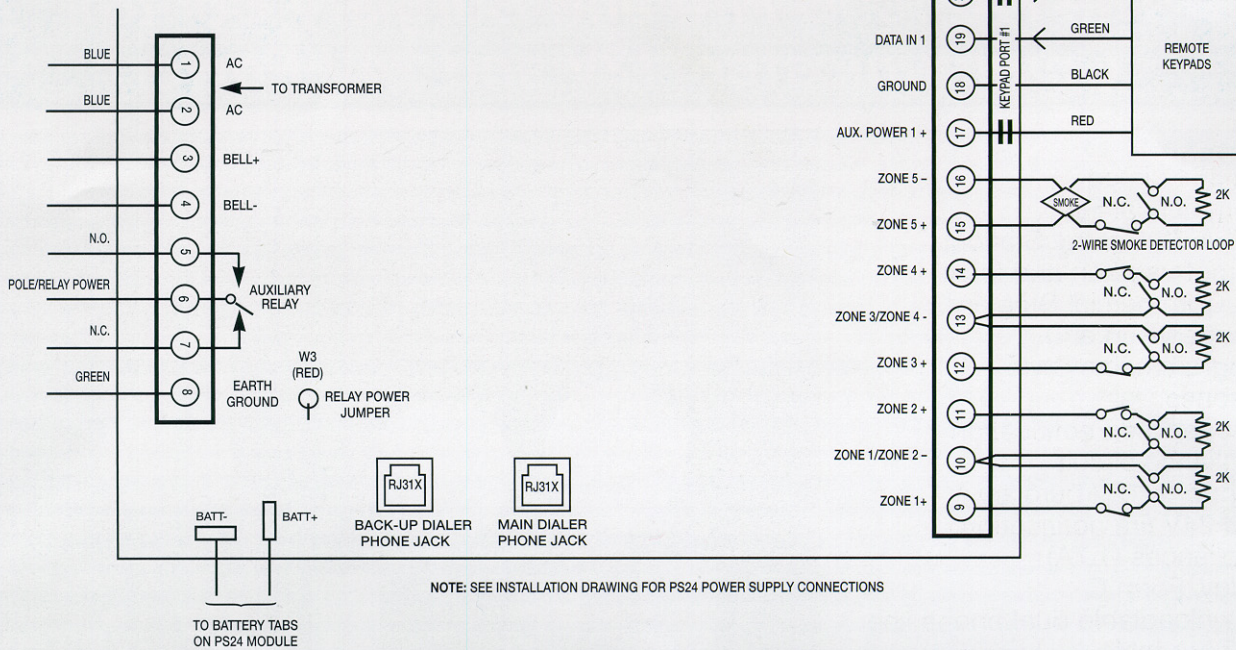
Output Power

Combined auxiliary power #1, auxiliary power #2 and auxiliary relay standby currents cannot exceed 400mA. Combined auxiliary relay power #1, auxiliary #2, auxiliary relay and bell alarm currents cannot exceed 1A.

Communications Formats

Ademco, Sescoa, Radionics 3+1/4+1/4+2 low speed, Ademco Express, Ademco Contact ID.

Wiring Diagram



Architectural & Engineering Specifications 5 Zone Fire & Burglary Control Communicator

The contractor shall furnish and install Model FA2100C microprocessor based commercial fire and burglary alarm panel. It shall monitor fire alarm, emergency alarm, burglary alarm and fire sprinkler supervisory sensors. When the FA2100C detects an alarm, supervisory or trouble condition, it triggers an on-premises warning indication and transmits a message to a central station via the dial-up telephone network.

The control/communicator shall be UL 864 listed and conform to NFPA 72 standards for local, central station and remote station services. Additionally the control/communicator shall be UL 609 Grade A for local mercantile safe and vault burglary alarm service, as well as UL 611/UL 1610 Grade B for central station burglary alarm service and Grade A when the 7720PLUS LORRA is available. The control communicator shall provide five supervised style B initiating circuits. Each circuit is programmable for fire alarm with or without verification, waterflow alarm, 24 hour audible

or silent alarm, entry/exit burglary, perimeter burglary, interior burglary, day trouble/night burglary or fire sprinkler supervisory response. One zone shall be capable of supporting 16 two-wire smoke detectors.

The control/communicator shall supervise two telephone lines, seize the phone line and send the alarm signal on one or both lines. Audible signal circuit shall be 24VDC, 1.7A power and suitable for ADA compliant strobes, provide as standard equipment, one style Y supervised 24V indicating circuit and an auxiliary form C relay.

The control/communicator shall have the ability to send a test signal to the central station every 24 hours. The alarm signals transmitted to the central station shall indicate which of the five zones is in the alarm, trouble or restoral status.

The unit shall be capable of on-site programming through a FA550KP keypad or remotely through download software.



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