The AFP-200 is a compact, cost-effective, intelligent fire alarm control with a capacity of 198 individually identified and controlled points and an extensive list of powerful features. The AFP-200 provides capabilities that exceed most large intelligent systems, at a cost comparable to conventional control panels.

FEATURES

198 intelligent device capacity (99 analog detectors and 99 monitor/control modules). Style 4, 6, or 7.

Overall 301 point capability (198 intelligent points, 4 programmable NAC circuits, 99 programmable relays).

Network ready (reference NOTI•FIRE•NET™ and NAM-232 data sheets for more information).

Intelligent features:
- Day/Night automatic sensitivity adjustment.
- Drift compensation (U.S. Patent Pending) meets UL requirements as a calibrated test instrument.
- Auto detector test (meets NFPA 72).
- Maintenance alert (two separate algorithms).
- Pre-alarm (AWACS™ U.S. Patent Pending).
- Activate local sounder base on pre-alarm.
- LED blink control for sleeping areas.
- Automatic device type check.

Releasing features:
- Four independent hazards.
- Sophisticated cross-zone (three options)
- Delay timer and Discharge timers (adjustable).
- Abort (four options).

Optional DACT, with AC fail delay.
- LCD-80 remote display/control.
- ACS annunciators (EIA-485), including LDM custom.
- Printer interface (80-column and 40-column printers).
- 5.0 A usable regulated output power, plus 6.0 A expander (maximum 8.0 A to panel circuits).
- 80-character LCD display, backlit.
- Real-time clock, with European format option.
- History file with 650-event capacity in nonvolatile memory.
- Alarm Verification selection per point.
- Alarm Verification selection per point, with tally.
- Walk Test reports two devices set to same address.
- Positive Alarm Sequence (PAS) Presignal per NFPA 72.
- Silence inhibit and Auto Silence timer options.
- March time/temporal/California code for bell circuits.
- Field-programmable on panel or on PC, with user-defined passwords, plus Autoprogram feature.
- UL-Listed modem interface allows remote/off-site system integration.
- FM Approved.
- Made in the U.S.A.

Two-Stage option for notification circuits (Canada).
- Tornado Warning activates different notification circuit code.
- Non-alarm points for lower priority functions.
- Automatic time control functions, with holiday exceptions.
- Operates with untwisted, unshielded wire (up to 1,000 ft./304.8 m) for retrofit applications (U.S. Patent 5,210,523).
- UL Listed for Fire Signaling per Standard 864 & NFPA 72.
- UL Listed for Burglary applications per Standard 1076.
- Approved for marine applications by U.S. Coast Guard and Lloyd’s Register of shipping.

AGENCY LISTINGS AND APPROVALS

Listing agencies and file numbers displayed above. These listings and approvals apply to the basic AFP-200 control panel. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

NOTI•FIRE•NET™ is a trademark of NOTIFIER, 1994.
Sample System Diagram

- **NOTI•FIRE•NET™** Optional Network Interface via the NAM-232
- 12 AH batteries, 18 AH with BB-17, up to 90 hours standby power
- Voltmeter/ammeter option
- Full alpha keyboard for menu-driven programming
- 5 ampere regulated power supply
- 4 Notification Circuits
- 99 software zones
- VOL 121/63  LCD display
- SLC Intelligent Loop
- Connector for optional module
- EIA-485 loop for LCD or LED annunciators
- Voltmeter/ammeter option
- EIA-232 interface for CRT, printer, or PC computer
- ACM/AEM-16AT LED Annunciator
- SLC loop — up to 198 devices on a single pair of wires
- Four standard notification or releasing circuits
- **EIA-485**
- **RS-232**
- **PRN Series Printer**
- **AFP-200**
- **LDM-32 Custom Graphics**
- **UDACT**
- **UDACT** phone lines
**Field Programming — 3 Ways**

1. **AUTO-PROGRAM**
   The AFP-200 identifies all devices that are connected, determines the type of device, and loads default values (general alarm) into nonvolatile memory. This is completed in less than 30 seconds.

2. **ON-LINE EDIT**
   While still providing fire protection, the AFP-200 program may be completely edited from the front keypad. Menu trees permit easy change of any parameter without referral to the programming manual. Recall, increment and edit function speeds entry of alphanumeric labels. New program check routine catches common errors.

3. **OFF-LINE PC: VeriFire-200**
   (included with VeriFire-CD)
   The complete AFP-200 program may be created in an off-line PC-compatible computer with a Windows®-based utility, then loaded into the AFP-200 EIA-232 port. The program may also be off-loaded to a PC at any time. High-speed data transfer completes upload or download in less than one minute. The PC program may also be used to access remote AFP-200 systems over dial-up phone lines, providing detail status information and history file search/sort.
SPECIFICATIONS
- Primary input power, 120 VAC, 50/60 Hz, 3.0 A; for AFP-200E: 230 VAC, 50/60 Hz, 1.5 A.
- Total Internal 24 VDC Power: 5.0 A (total shared power).
  ✓ High-ripple regulated power: 1.5 A (suitable for EIA-485 devices, except ACM-8R); 1.0 A maximum standby.
  ✓ Non-resettable power: 500 mA.
  ✓ Four-wire smoke detector power: 500 mA.
  ✓ Four built-in notification circuits:
    • NAC Circuit 1: 2.25 A.
    • NAC Circuits 2-4: 2.25 A (shared total).

NOTE: with optional APS-6R Power Supply NAC circuits 3 & 4 are expanded to 3.0 A (8.0 A total power).
- Battery charger range: 7 AH - 18 AH.
- Charge high rate: 29.1 V. Float rate: 27.0 V.
- Battery charger: 2.0 A @ 30 VDC.
- Cabinet dimensions: 16.125" (40.958 cm) high x 14.5" (36.83 cm) wide x 5.5" (13.97 cm) deep.

SYSTEM CAPACITY
- Total programmable input/output points: 301
- Intelligent detectors: 99
- Addressable monitor/control modules: 99
- Programmable NAC circuits in panel: 4
- Programmable software zones: 99
- Programmable remote relay/annunciator points: 99
- LCD-80 annunciators per system: 4
- ACS annunciators per system: 10

CONTROLS AND INDICATORS
6 LED indicators: AC Power; Fire Alarm; Pre-Alarm; Supervisor/Security; Alarm Silenced; System Trouble.
21 Membrane Switch Controls: Acknowledge/Step; Silence; Evacuate; System Reset; 12-key Alpha pad; 4 cursor keys; Enter.
LCD Display: 80 characters (4 x 20) with long-life LED backlight.

Data sheets are available for many of the compatible products listed below.

COMPATIBLE INTELLIGENT DEVICES
FSI-851: Ion detector, replaces FSI-751.
FSI-751: Ion detector.
FSP-851: Photo detector, replaces FSI-751.
FSP-751: Photo detector.
FSP-851T: Photo detector with 135°F (57°C) thermal element, replaces FSP-751T.
FSP-751T: Photo detector with fixed thermal element.
FST-851: Thermal detector, 135°F (57°C), replaces FST-751.
FST-751: Thermal detector, fixed.
FST-851R: Thermal detector, 135°F (57°C) with rate-of-rise, replaces FST-751R.
FST-751R: Thermal detector, fixed and rate-of-rise.
FST-851H: 190°F (88°C) high-temperature thermal detector.
FISH-751: HARSH™ photo detector, requires B710HD base, detector replaces HPX-751.
HPX-751: HARSH™ photo detector, requires B710HD base.
LPX-751L: VIEW® laser detector.
FSD-751PL: Low-flow photo duct detector with housing, replaces FSD-751P.
FSD-751P: Duct detector, with housing.
FSD-751RL: Low-flow photo duct detector with housing and relay, replaces FSD-751P.
FSD-751RP: Duct detector, with housing and relay.
B710LPPB: Standard flanged base, package of ten.
NOTE: Remove “BP” suffix for single-pack bases.
B710HD: Base for FSH-751 (HARSH™) only.
B224RB: Relay base.
B224BI: Isolator base.
B501BH: Sounder base.
B501BHT: Sounder base with temporal sounder.

NBG-12LX: Addressable pull station, visible LED.
ISO-X: Isolator module.
FMM-1: Monitor module.
FMM-101: Monitor module, miniature.
FDM-1: Monitor module, dual, two independent Class B circuits.
FZM-1: Monitor module, two-wire smoke detectors.
FCM-1: Control module.
FRM-1: Relay module.
FSM-M: Pull station monitor module.
XP5-M: Transponder, monitor, 5 addressable Class B circuits.
XP5-C: Transponder, control/relay, 5 addressable Class B circuits.
XP6-C: Six-circuit supervised control module.
XP6-MA: Six-zone interface module; connects intelligent alarm system to two-wire conventional detection zone.
XP6-R: Six-relay (Form-C) control module.
XP10-M: Ten-input monitor module.
XPIQ: Intelligent quad transponder.

COMPATIBLE DEVICES, EIA-232 Port
PRN Series: 80-column printer.
VS4095/S2: Printer, 40 column, 24 volts. Mounted in external backbox (order from Keltron, Inc.).
CRT-2: Video display terminal.
NAM-232: Network Interface Module to NOTI•FIRE•NET™ wire or fiber models.

COMPATIBLE DEVICES, RS-485 Port
ACS Series: Remote Serial Annunciator/Control systems.
LCD-80: Remote LCD display.
LDM Series: Remote custom graphic driver modules.
ACM-8R: Remote relay module. Eight Form-C relays.
NIB-96: Network Interface Board.
RPT-485: Series Repeater, isolator and/or fiber-optic modem.
UDACT: Universal Digital Communicator.

PRODUCT LINE INFORMATION
AFP-200: AFP-200 system. Includes main PCB board with display and keypad, backbox and door (gray), hardware and instruction manual. 120 VAC.
AFP-200E: Same as AFP-200, but 230 VAC.
AFP-200R: Same as AFP-200, but with red backbox and door.
AFP-200RE: Same as AFP-200R, but 230 VAC.
AFP-200C: Same as AFP-200, but ULC-approved version.
AFP-200RC: Same as AFP-200R, but ULC-approved version.
DR-AFP200*: Replacement door, gray.
DR-AFP200R*: Replacement door, red.
*Add an “E” to end of part number for 230 VAC labeling.
SBB-4X: AFP-200 backbox (no door), gray, for replacement only.
SBB-4XR: AFP-200 backbox (no door), red, for replacement only.
CAB-AM: Heavy-duty outer enclosure. Required for marine agency approved applications.
4XTM: Plug-in Transmitter Module. Provides municipal box and remote station connection.
RTM-8: Plug-in Relay Transmitter Module. Provides eight Form-C relays, plus transmitter.
4XM: Ammeter/Voltmeter.
TR-4XR: Gray Trim Ring for semi-flush mounting (Tr-4XR for red).
DP-AFP200: Full-length dead-front panel (required for Canadian applications).
PS Series: Batteries. The AFP-200 requires two 12-volt, 7.0 to 18.0 AH batteries.
BAT Series: Batteries. The AFP-200 requires two 12-volt, 7.0 to 18.0 AH batteries.
APS-6R: 6.0 A expansion supply (requires BB-17).
BB-17: Battery box, required for batteries above 12.0 AH, or if APS-6R is used.
CHG-120: 120 AH battery charger for use with 25 to 120 AH batteries.
411 Series: Digital Alarm Communicator/Transmitter.
VeriFire-CD: Programming kit for PC. Includes a CD with a variety of VeriFire™ programs (including VeriFire-200), cable, and instructions.
ROM-AFP200SP: Spanish language kit. Includes software IC, manual, and labels.