**SYSTEM SPECIFICATIONS**

- **System Capacity**
  - Intelligent Signaling Line Circuits: 1,000
  - Conventional signals: 4,000

- **Adaptive intelligent technology**
  - NO: 1,000
  - NC: 1,000

- **Programmable intelligent zones**:
  - 8

- **Programmable software zones**:
  - 8

- **special programming zones**:
  - 8

- **LCD annunciators per CPU-318**:
  - 8

- **AS annunciators over CPU-FlashScan**:
  - 8

- **specifications**:
  - **Fan alarm power**: CPU-318 board: 120 VAC, 50/60 Hz, 0.5 A.
  - CPU-318E board: 120 VAC, 50/60 Hz, 1.3 A.
  - **Total system power**: 16.5 A maximum.

- **Exercise testing**:
  - **Night mode**: 12 A average power.

- **standards**:
  - **NFPA 492**: Smoke detection.
  - **NFPA 72**: Fire Alarm Systems.
  - **UL 268**: Smoke detectors.
  - **UL 262**: Heat detectors.
  - **CSA standard**: C22.2 No. 101.

- **certifications**:
  - ANSUL and AUTOPULSE are trademarks of Ansul Incorporated or its affiliates.
  - **ISO-X**: Intelligent Fire Alarm System
  - **XP6-MA**: NAC control module
  - **XP10-M**: NAC control module
  - **ISO-X**: Intelligent fire alarm system
  - **XP6-MA**: NAC control module
  - **XP10-M**: NAC control module

- **software**:
  - **Multicomputing**: Extensive, built-in transient protection.
  - **software**: Powerful Boolean logic equations.
  - **software**: Extensive, built-in transient protection.
  - **Remote ACK/Signal Silence/System Reset/Drill via monitor modules**.
  - **software**: Automatic time control functions, with holiday exceptions.
  - **software**: Remote control of flashers and strobes.
  - **software**: Remote control of flashers and strobes.

- **Standards**:
  - **AUTOPULSE** series complies with the following UL Standards and requirements:
  - **Software**:
    - **AUTOPULSE IQ-318**: 120 VAC, 50/60 Hz, 0.5 A.
    - **AUTOPULSE IQ-318E**: 120 VAC, 50/60 Hz, 1.3 A.

- **Agency 获批**
  - **ULC S4935**: Underwriters Laboratories
  - **UL Listed**: Underwriters Laboratories
  - **UL 864, 9th Edition**: Smoke detectors.
  - **UL 1076**: Burglary.
  - **California State Fire Marshal**: Pending

- **Temperature and Humidity Ranges**
  - **5.175 in. (13.145 cm) inner depth**.
  - **5.175 in. (13.145 cm) inner depth**.
  - **5.175 in. (13.145 cm) inner depth**.

- **Power Supplies**
  - **Mains power**
    - **18 – 200 AH**.
    - **18 – 200 AH**.
    - **18 – 200 AH**.

- **Power Supply**
  - **Total of 6.0 A of available power**.
  - **Total of 6.0 A of available power**.
  - **Total of 6.0 A of available power**.

- **Power Supplies**
  - **Optional high-capacity (25 – 120 AH) battery charger**: 18 – 200 AH.
  - **Optional high-capacity (25 – 120 AH) battery charger**: 18 – 200 AH.
  - **Optional high-capacity (25 – 120 AH) battery charger**: 18 – 200 AH.

- **Power Supplies**
  - **CPU-318 board**: 220/240 VAC, 50/60 Hz, 1.5 A.
  - **CPU-318E board**: 220/240 VAC, 50/60 Hz, 1.5 A.

- **Power Supplies**
  - **220/240 VAC, 50/60 Hz, 1.5 A**.
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- **Power Supplies**
  - **220/240 VAC, 50/60 Hz, 1.5 A**.
  - **220/240 VAC, 50/60 Hz, 1.5 A**.
  - **220/240 VAC, 50/60 Hz, 1.5 A**.

- **Power Supplies**
  - **120 °F (0 – 49 °C)**.
  - **120 °F (0 – 49 °C)**.
  - **120 °F (0 – 49 °C)**.

- **Power Supplies**
  - **80% ± 2% RH**.
  - **80% ± 2% RH**.
  - **80% ± 2% RH**.

- **Power Supplies**
  - **93% ± 2% RH**.
  - **93% ± 2% RH**.
  - **93% ± 2% RH**.

- **Power Supplies**
  - **120 °F (0 – 49 °C)**.
  - **120 °F (0 – 49 °C)**.
  - **120 °F (0 – 49 °C)**.

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  - **93% ± 2% RH**.
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- **Power Supplies**
  - **93% ± 2% RH**.
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  - **93% ± 2% RH**.
Low-profile FlashScan thermal detector 135 °F (57 °C), will replace FSI-751.

When designing the cabinet layout, consider separation of NAC #2 FlashScan HARSH Hostile Area Smoke Head.

Power On (AC or DC) — Supervised, limited, supervised.

Optimizing pre-alarm. In this special mode, the detector "learns" its own background conditions.

In addition to providing quick identification of an active input device, this detector protocol — FlashScan (U.S. Patent 5,539,389). Flash-Scan is an analog device, capable of providing diagnostic information, such as device address during Walk Test.

High-efficiency offline switching 15 amp power supply (120 or 220/240 VAC).

Drift Compensation and Smoothing:

Pre-alarm: The output device is sampled in less than two seconds. The microprocessor-based and provides technologi-

tion. These levels can be set manually, or can change automatically under certain conditions.

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Low-flow FlashScan photo duct detector with Ground Fault Detection Enable/Disable. Network/Service Connection (NUP), power-limited, supervised. Low-profile FlashScan photoelectric detector.

Reset Silence USB A VeriFire Tools Connection.

NAC #2 Relays: FlashScan photo duct detector with relay and ACS annunciator – up to 96 points of annunciation. Cooperating Multi-Detector Sensing: simultaneously triggered inputs are treated as a single input. This is an important feature that improves the system's ability to detect and locate the source of a fire. Maintenance Warnings also allow the system to automatically perform the periodic sensitivity measurements required by NFPA 72. Smoothing filters are also provided for fire protection.

Autoprogram is a timesaving feature of the AUTOPULSE IQ-318. It is a built-in feature that allows the system to learn the characteristics of the environment and automatically adjust the sensitivity levels to optimize the system's performance. Autoprogram is a great feature for system administrators who want to ensure that the system is always performing at its best.
## Specifications

**System Capacities**
- Intelligent Signaling Line Circuit
- 16 Intelligent Signals (Zone, Style, status information, time display, etc.)

**Additional Programmable Options**
- Programmable interlocks and output signals
- Programmable software zones
- Special programming options
- LCD expansion ports per CPU (Intel): 32
- ASCII communications per CPU (Intel): 32 addresses x 44 bytes

**Specifications**
- **FlashScan NFX-101B**
  - 100% equivalent to NFS2-636, NFS-318, and 4XTMF
  - 1,500 mA
  - 1,500 mA
- **FlashScan NFX-101C**
  - 4,000 mA
  - 4,000 mA

**Ordering Information**
- **PART NO.**
  - **DESCRIPTION**
  - **AUTOPLUS IQ-318**
  - **AUTOPLUS IQ-318**
  - **AUTOPLUS IQ-318**

### Features

- **Listed to Standard 49, 9th edition.**
- **Class I** intelligent Signaling Line Circuit (SLC) Style 4 and 7.
- Up to 164 detectors (any mix of ion, photo, thermal, or multi-sensor) and 159 modules (NO manual stations, two wire smoke, notification, or relay).
- **FlashScan** monitors.
- **Auxiliary** (manual and Wired Relatives) (requires ATM)
- **proprietary** (manual and Wired Relatives) not applicable for Vista.
- **VERIFIRE** (manual and Wired Relatives) powerful Boolean logic equations.
- **Extensive, built-in transient protection.**
- **Charger for up to 90 hours of standby power.**
- **Check, compare, simulate.**
- **Field-programmable on panel or PC, with VeriFire Tools program**
- **Positive Alarm Sequence (PAS) Presignal.**
- **Autoprogramming and Walk Test reports.**
- **Alarm Verification selection per point, with tally.**
- **Rate 200-event alarm-only file.**
- **2.77 °C).**
- **Microprocessor-based technology; combination photo and thermal technology.**
- **Early warning performance comparable to the best aspiration systems at a fraction of the lifetime cost.**
- **Early warning performance comparable to the best aspiration systems at a fraction of the lifetime cost.**
- **Activation up to 159 outputs in less than five seconds.**
- **Multicolor LEDs blink device address during Walk Test.**
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- **Activation up to 159 outputs in less than five seconds.**
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- **Determine situational awareness.**
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- **Determine situational awareness.**
System Specifications

Temperature and Humidity Ranges

The AUTOPULSE IQ-318 complies with UL Standards and NFPA requirements.

- **STD 60, 9th Edition.**
- **UL 148, 7th Edition.**
- **CAN/ULC-S503, (Fire).** It is designed to meet NFPA 72, Auxiliary, Remote Station, and Proprietary (not applicable for FM System Requirements).
- **UL Listed.**
- **SAC:**
- **MCA:** 120 V/60 Hz, 30.0 A. (See Appendix B: Specifications.)
- **VCA:** 300 V DC, 3.0 A.
- **NM:** 120 VAC, 50/60 Hz, 1.5 A.
- **FM:** Non-resettable regulated power outputs: 1.25 A each. Total output 24 V power: 6.0 A in alarm.
- **ULC.**

**STANDARDS**

- **Intelligent addressable fire alarm system (Autopulse IQ-318).**
- **Listed to UL Standard 864, 9th Edition.**
- **Intelligent detectors.**
- **Autoprogramming and Walk Test reports.**
- **Printer interface (80-column and 40-column printers).**
- **Optional universal 318-point DACT.**
- **Gentex strobe synchronization.**
- **6.0 amp power supply with four Class A/B built-in Notification Appliance Circuits (North American).**
- **Automatic, Manual and Waterflow (requires DACT).**
- **Sounder base, includes B501 base above.**
- **Battery Box (required for batteries over 25 AH).**
- **Optional high-capacity (25 – 120 AH) battery charger:**
- **220/240 VAC, 50/60 Hz, 1.5 A.**
- **CHG-120.**

**FEATURES**

- **Sensory graphs for this feature.**
- **Provide early warning of smoke detection in environment where traditional smoke detectors are not practical.**
- **VIEW (Very Intelligent Early Warning) smoke detection technology.**
- **Acclimate Plus™ and HARSH™ are trademarks; and FlashScan are trademarks of Ansul Incorporated or its affiliates.**
- **ANSUL and AUTOPULSE are trademarks of Ansul Incorporated or its affiliates.**

**AGENCY LISTINGS AND APPROVALS**

- **Listed to Standard 60, 9th edition.**
- **Intelligent Conventional Signal Line Circuit (SLC) Style 4, 6 or 7.**
- **Up to 159 detectors (any mix of ion, photo, thermal, or multi-sensor) and 159 outputs. (See Appendix B: Specifications.)**
- **Provides early warning of smoke detection in environment where traditional smoke detectors are not practical.**
- **VIEW (Very Intelligent Early Warning) smoke detection technology.**