

Technical Specifications

DIMENSIONS

18-1/2"H x 14-1/4"W x 4-3/4"D
(46.9 cm H x 36.1 cm W x 12.1 cm D)

WEIGHT

Approximately 17 pounds (8 kilograms),
excludes battery

CABINET COLOR

Red

AC POWER INPUT

120VAC 60Hz 1.0 AMP

BACKUP BATTERY

Enclosure capacity for two 14AH
batteries. Will charge up to two 18 AH
batteries. Sealed lead acid batteries -
requires 2 each 12 VDC UL-recognized.

ANTENNA

Supplied 2.5 dB tamper resistant
enclosure mount antenna. Optional
remote mounting antennas available.

COMPATIBLE RECEIVER

7705i AES-MultiNet

ALARM SIGNAL INPUTS

6 Programmable Initiating Device Circuits
1 input - Type A (four wire) or
Type B input (two wire)
5 inputs - Type B

SMOKE DETECTOR COMPATIBILITY

Compatible with a large number of
listed 2 wire models including:

System Sensors	Detection Systems
ESL	Hochiki
Fenwal	Potter

NAC OUTPUT

Compatible with a large number of
listed 2 wire models including:

Amseco	Gentex
Potter/Gentex	Eaton
Cooper	Wheelock
System Sensor	

NAC PATTERNS

Temporal & Cadence patterns

VISUAL INDICATORS

LCD (2 x 16 Alphanumeric
Character Display)
LED indicators - Control Panel
and Subscriber

Integrated Fire Monitoring System

7706-ULF

Now UL Listed for Multiple Communication Technologies!

"The AES 7706-ULF delivers fire alarm signals much faster to the central monitoring station in comparison to existing DACT technology. The quickest response time is critical for fire application."

~Morgan Hertel, VP of Technology and Innovation,
Rapid Response Monitoring



Features

- UL listed and NFPA compliant
- A compact intelligent FACP
- 6 Programmable Zone Inputs
- 1 Notification Appliance Circuit (NAC) with strobe synchronization
- NAC supports all major synchronization patterns
- Power Supply charges up to (2) 18AH batteries, providing power to meet any jurisdiction's requirements
- Supports Potter RA-6075 Remote Annunciator via the P-Link bus
- Red metal enclosure with a key lock and Lexan window for viewing the system status
- 32 (2 x 16) character LCD display with system LEDs for clear system status
- Keypad for access to the system
- Easy configuration with Programming Software
- Cabinet mounted subscriber antenna or optional remote antenna capability
- Email notification capability for sending system status, reports, system configuration, or service reminder messages

Benefits

- Highly integrated turnkey single-box solution
- Ideally suited for small to mid-size installations
- Innovative solution leveraging AES-IntelliNet® patented mesh radio technology and Potter proven FACP
- High speed communication between AES subscriber and panel eliminates need for DACT
- AES subscriber provides primary communications path
- No telephone lines are required
- Easy installation saves time and lowers cost of deployment
- Simple and flexible single point configuration
- Provides fast alarm communication and reporting to the Central Monitoring Station
- Streamlines AHJ approval process reducing installation time and deployment cost
- The AES Corporation global service and technical support team is available 24/7 as single point of contact

Technical Specifications (continued)

CONFIGURATION INTERFACE

Keypad with function, number and navigation keys

ALARM SYSTEM PROGRAMMING INTERFACE

Ethernet using programming software

SUBSCRIBER PROGRAMMING INTERFACE

Control Panel LCD and keypad

UL STANDARDS

Meets UL- 864 9th Edition – Standard for Control Units and Accessories for Fire Alarm Systems

OPERATING TEMPERATURE RANGE

0° to 49° C (32° to 120°F)

STORAGE TEMPERATURE RANGE

-10° to 60° C (14° to 140°F)

RELATIVE HUMIDITY RANGE

0 to 93% RHC, Non Condensing

About AES Corporation

AES Corporation is the leading manufacturer of code compliant wireless alarm communication products and solutions serving commercial security markets and government agencies worldwide. **AES-IntelliNet®** patented technology will never sunset compared to obsoleting technologies such as cellular and traditional phone lines. AES private mesh radio networks are owner operated and controlled, providing infinite scalability and superior reliability with the fastest transmission speed available. Over a half million AES Smart Subscribers are installed worldwide. AES is the clear choice for life safety and security, protecting people and property for over 40 years.

Overview

A great all in one single-box integrated solution, the AES Corporation model 7706-ULF was engineered in close collaboration with Potter Electric Signal Co., designed specifically for small to mid-size fire protection applications—bringing together AES-IntelliNet® patented alarm communications technology and Potter's proven Fire Alarm Control Panel (FACP) for life safety. The 7706-ULF now supports single delivery, multiple communication technologies, and backup alarm reporting capabilities over Radio Mesh, IP, and DACT.

The AES 7706-ULF Integrated Fire Monitoring System is a compact, simple panel designed to monitor and communicate the alarm status to a Central Monitoring Station. The 7706-ULF system is a listed and approved microprocessor-based fire monitoring panel and complies with UL-864 requirements as well as NFPA-70 and NFPA- 72 National Fire Alarm and Signaling Code. The panel features 6 Inputs and one 24 VDC 0.5A Notification Appliance Circuit (NAC) with strobe synchronization. The 2.0A Power Supply provides ample power to meet any jurisdiction's requirements, also has capacity to charge up to (2) 18AH batteries. In addition, the panel includes the Potter Signal P-Link for connection to a remote annunciator.

The Panel Interface Card, jointly developed by AES and Potter, provides a high-speed bi-directional communications interface between the fire control panel and the AES 7788F subscriber. This allows alarm and status messages generated by the panel to be sent directly to the subscriber for transmission on the AES private wireless network. It also allows the panel to supervise the subscriber status to annunciate local trouble if the subscriber is not functioning correctly.

Alarm signals, supervisory and trouble messages are transmitted through the AES 7788F Fire subscriber built into the panel enclosure. The panel zone input configuration is done with the Potter Signal panel configuration software over the TCP/IP network access port. The 7706-ULF keypad interface provides access to the AES subscriber for configuration and status information.

The AES 7706-ULF provides the Central Monitoring Station capability to quickly detect any alarm condition. This is a complete departure from the use of traditional phone lines, providing a high speed link between the alarm panel and the AES Smart Subscriber. This link is always active and always supervised on both sides. The 7706-ULF with the built-in AES 7788F Smart Subscriber provides end-to-end agility and a fault tolerant system.

When it comes to preventing loss of life or property, network owners and operators as well as first responders rely on AES-IntelliNet® global alarm communications technology.

How to Order

7706-ULF

7706-ULF Integrated Fire Monitoring System

Please contact AES Support for upgrade details at support@aes-corp.com or (866) 237-3693



For more information, go to www.aes-corp.com

Call (800) 237-6387 or contact us at sales@aes-corp.com

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