



7706-ULF Integrated Fire Monitoring System

The 7706-ULF is a single-box integrated solution that combines AES-IntelliNet® patented alarm communications technology and Potter's proven Fire Alarm Control Panel (FACP) for life safety - designed specifically for small to mid-size fire protection applications.

Overview

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.

Key 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

Models

Integrated Fire Systems	
7706-ULF	7706-ULF Integrated Fire Monitoring System

Technical Specifications

DIMENSIONS

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

WEIGHT

Approximately 17 pounds (8 kilograms), excludes battery

RADIO FREQUENCY

Standard Frequency Range:
450-470 MHz

Contact AES for other UHF and VHF frequencies

ANTENNA

2.5 db Tamper resistant antenna included

POWER INPUT

120VAC 60Hz 1.0 AMP

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, and 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 × 16 Alphanumeric Character Display)
LED indicators – Control Panel and Subscriber

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 – 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



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