aes-corp.com

Full Data Modules for Fire Subscribers

AES-*IntelliPro* Fire™ Series

About AES Corporation

Established in 1974, AES Corporation empowers companies to grow profitable alarm monitoring businesses, and government agencies to enhance security anywhere in the world. By providing the industry's only patented operator-owned and controlled private wireless mesh networks, AES ensures superior reliability, low TCO and optimal RMR while reducing dependence on service provider infrastructures. The company's flagship AES-*IntelliNet* systems are deployed in over a half million locations worldwide.

Features

Meets UL 864 Commercial Fire Alarm requirements for primary standalone communication

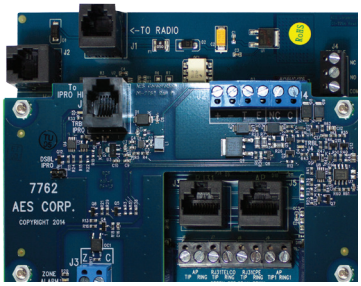
Drop-in full function replacement for phone lines in commercial fire alarm systems

Transmits full alarm event data from FACP digital dialer to AES-*MultiNet* receiver

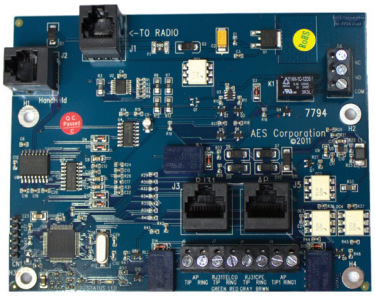
AES Subscribers are the ideal universal wireless alarm transmitters supporting all new and legacy FACPs

AES-*IntelliPro* Fire modules easily install in AES Subscriber

Minimal programming needed converting phone line connections to AES-*IntelliPro* Fire



7795
UL 864 Listed for Primary Standalone Alarm Communication from Fire Subscriber



7794
UL 864 Listed for Supplemental Alarm Communication with Fire Subscriber

Ideal Replacement for Phone Lines

AES-*IntelliPro* Fire™ Series full data modules with AES Fire Subscribers provide the ideal drop-in full-function replacement for phone lines to communicate signals from UL commercial fire alarm systems. AES-*IntelliNet* network owner-operators retain virtually 100% of the Recurring Monthly Revenue (RMR) generated from network services. Replacing phone lines with AES-*IntelliNet* technology maximizes RMR profit because, unlike with AlarmNet-A or cellular technologies, there are no service charges paid to a third-party network provider. In addition, with AES-*IntelliNet* there is zero risk of fire alarm communication technology sunset as with all past, present, and future cellular technologies.

Primary Standalone Communication for Fire Alarm

The AES-*IntelliPro* 7795 product meets UL 864 and NFPA-72 requirements for primary standalone alarm communication by simply moving the Fire Alarm Control Panel (FACP) phone line output connections to the AES-*IntelliPro* Fire Series module installed in a Fire Subscriber. No other connections are needed between the FACP and the Subscriber. The AES 7794 product meets UL requirements for supplemental communication when used with consolidated alarm, trouble, and supervisory signals triggered by FACP outputs connected to Subscriber zone inputs.

Technical Specifications

7794

- Transmits full data to AES-*MultiNet* receiver using Contact ID or Pulse formats
- Formats Supported: Contact ID, Pulse 3+1, Pulse 4+1, Pulse 4+2, Modem IIe, and Modem IIIa2

I/O CONNECTIONS

- AES subscriber – data and power
- Handheld/PC programming port
- Plain Old Telephone Service (POTS) incoming phone line
- Phone output connection from alarm panel
- Trouble output (form C relay)

SIZE

- 4 7/8 in. x 5 in. (12.3 cm x 12.7 cm) Power Requirements
- 12 VDC nominal, primary and backup power provided by the AES RF Transceiver Unit

Current Consumption 350 mA nominal

7795

The 7795 AES-*IntelliPro* is a kit that includes the 7794 module and 7762 Hardware Supervisory module. *For model 7794, please see Technical Specifications above

The 7762 is a Hardware Supervisory Module.

I/O CONNECTIONS

- J1 - AES 7794 (J2) or Subscriber (J1)- data and power
- Input for Subscriber J4 Output
- Input for AES 7740 Local Annunciator - data and power
- AES 7740/AES 7794 Trouble Output to Subscriber input zone

SIZE:

- 2 1/2 in. x 4 15/16 in. (6.3 cm x 12.5 cm)

WEIGHT:

- 0.25 pounds (0.11 kilograms)

POWER INPUT:

- 12VDC nominal, power supplied from AES 7794 module or AES 7744F/7788F Subscribers

CURRENT CONSUMPTION

- 40 mA average; 100 mA peak

Full Alarm Signal Data

No alarm data is lost converting fire alarm signals from over Public Switched Telephone Network (PSTN) to transmission over AES-*IntelliNet* alarm communications. AES *IntelliPro* Fire™ Series modules transmit full alarm data captured off the FACP's digital communicator including alarm zone identification and event codes. AES-*IntelliPro* Fire will work in new fire alarm system installations to substitute phone line connections as well as retrofit existing installed fire alarm systems. AES-*IntelliPro* Fire supports most alarm communication protocols including Contact ID, Pulse, and Bosch Modem IIe and Modem IIIa2.

Flexible Installation Options

Existing installed Subscribers can easily be upgraded to communicate full alarm data from a FACP's digital dialer over AES-*IntelliNet* networks. For these applications, models 7794 and 7795 are available as field installed modules that come with all needed hardware to upgrade an existing AES Subscriber. For new installations, AES Fire Subscribers are available equipped with the right AES-*IntelliPro* Fire module for the application.

Add-on AES-*IntelliPro* Fire Modules

7794	AES-*IntelliPro* Fire Full Data Module. UL listed for supplemental communication with fire radios
7795	AES-*IntelliPro* Fire Full Data Module (7794) with 7762 Hardware Supervisory Module. UL listed for primary standalone communication with fire radios

AES Fire Subscribers equipped with AES-*IntelliPro* Fire

7744F-ULP	4x4 Zone Fire Subscriber, 4 Reversing Polarity, 4 Supervised, includes 7794 AES-*IntelliPro* Fire, Red Enclosure
7788F-ULP	8 Zone Fire Subscriber, 8 Supervised Zones, includes 7794 AES-*IntelliPro* Fire, Red Enclosure
7744F-ULP-P	4x4 Zone Fire Subscriber, 4 Reversing Polarity, 4 Supervised, includes 7795 AES-*IntelliPro* Fire, Red Enclosure
7788F-ULP-P	8 Zone Fire Subscriber, 8 Supervised Zones, includes 7795 AES-*IntelliPro* Fire, Red Enclosure
7788F-C-ULP	8 Zone Fire Subscriber with 7794 AES-*IntelliPro* Fire, Red Enclosure (ULC) Canada

Hardware Supervisory Module

7762	Add-on module provides power/supervision for 7794 AES-*IntelliPro* Fire module and AES 7740 local trouble annunciator. Included with 7795 AES-*IntelliPro* Fire and AES 7742 local annunciator kit for Subscriber

Specifications Subject to Change Without Notice

For more information, go to **www.aes-corp.com** or call
(800) 237-6387 or contact us at **sales@aes-corp.com**