

7058E Series

Wireless Alarm Communicators for IntelliNet



Model 7058E-P



Advanced Wireless Alarm Monitoring

As landlines disappear and the future of GSM for alarm transmission becomes increasingly uncertain, the AES IntelliNet mesh radio network continues to offer unmatched reliability and speed in delivering wireless alarm signals to a central station without any third-party fees or reliance on networks operated by companies outside the alarm industry. The 7058E Series Subscribers provide the wireless communications link between the alarm panel and the central station receiver. Ideal for most commercial security applications, each 7058E Series Subscriber is housed in a full-sized, locked steel cabinet and supports a range of alarm panel inputs, including NC/NO/EOL and direct voltage from the panel.

Supervised Operation

AES Subscribers offer fully-supervised operation that includes monitoring of operating power (both primary AC and battery back-up) and the connection to the radio network. Each subscriber "checks-in" with the AES central station receiver at least once every 24 hours. The supervision check-in time can be set to as often as needed for the application, as appropriate for the network. Because the central station operates the wireless network, there is no additional cost for air time to transmit supervisory signals.

Full Data Reporting from Alarm Panel Digital Dialer

Model 7058E-P comes equipped with an IntelliPro Full Data Module (AES-7094) which enables reporting of full alarm data captured from the alarm panel's digital communicator. IntelliPro supports most alarm communication formats including Contact ID, Pulse, as well as Bosch Modem IIe and Modem IIIa2 (when converted to Contact ID format).



Features – All models

- Direct reporting to AES receiver across IntelliNet mesh radio network
- Each Subscriber acts as transmitter/receiver/repeater
- Simple and fast activation on network
- On board status LEDs for easy set up
- 8 on board programmable zone inputs
- Battery charging circuit supports up to 7.5 AH standby battery
- Easy programming via AES handheld programmer or PC
- Rugged metal housing ideal for any commercial security applications
- Narrowband compliant

Model 7058E with IntelliPro also includes

- IntelliPro transmits full alarm data from virtually any alarm panel digital communicator
- Alarm format support for Contact ID, Pulse, or Bosch Modem IIe or Modem IIIa2
- Easy installation in AES subscriber
- Operates in applications with or without a phone line



Wireless mesh networking is an innovative technology adopted by many industries with applications that need to communicate data over a large geographic area with a high level of reliability at a low total cost of ownership.

The advanced design and 2-way communications capability provides easy installation, expansion, and management when compared to alternative communication methods, both wired and wireless.

7058E Series



Technical Specifications

AES-7058E Series Subscriber

Dimensions

- 13.25"H x 8.5"W x 4.3"D
- (34cm H x 21.5cm W x 11cm D)

Weight

- Approx. 7 pounds (3.2 kilograms), excludes battery.

Radio Frequency

- Standard Frequency Range: 450-470MHz (others available in 400-512MHz range)
- Output Power - 2 Watts

Antenna

- Included 2.5 db tamper resistant antenna mounts on enclosure
- Multiple remote antenna options available

Power Input

- 16.5VAC, 40VA (transformer not included)

Backup Battery

- Will charge 12V battery up to 7.5 AH

Alarm Signal Inputs (subscriber)

- 8 individually programmable Zones:
- NO/NC/Supervised EOL/Fire EOL/voltage from panel
- Trouble and Restore

UL Standards

- Tested to UL 2017 – Safety for General Purpose Signaling Devices and Systems

Antenna Cut / Communication Trouble

- 12V open collector output at J4, ground on activation; 200mA max load.

Telephone Line Cut Monitor

- Available with IntelliPro option (7058E-P)

Reset Button

- Located on main circuit board.

Operating Temperature

- 0° to 50° C (32° to 122°F)

Storage Temperature

- -10° to 60° C (14° to 140°F)

Relative Humidity

- 0 to 85% RHC, Non Condensing

AES-7094 IntelliPro

Input / Output Connections

- RJ11 connection to AES subscriber for module data and power
- IDC10 connector for Handheld Programmer/PC programming
- RJ31X Telco connections - T and R both in and out via terminal strip
- Alarm Panel digital communicator T and R both in and out via terminal strip
- Trouble output (open collector) via pin connection: Detects if Subscriber is off the network

Alarm Formats

- Support for Contact ID and Pulse formats as well as Modem IIe and Modem IIIa2 converted to CID

Size

- 2.8 x 5.0 inches (7.1cm x 12.7cm)

Power Requirements

- 12 VDC nominal - primary and backup power provided by the AES 7058 or other Subscriber

How to Order

Model	Description
7058E	8 Zone Security Subscriber
7058E-P	8 Zone Security Subscriber with IntelliPro
7058E-T	8 Zone Security Subscriber with IntelliTap

Optional Accessories

7041E	Subscriber Handheld Programmer
7094	IntelliPro Full Data Module
1640	Plug-in Transformer 16.5VAC, 40VA

AES-IntelliNet™ is the industry leader in delivering high-quality mesh radio networks to the fire and security industry in commercial, corporate, government, and educational applications with its broad line of products and advanced network management tools. Users of AES-IntelliNet networks have gained significant revenue, communications, and cost advantages while meeting the high standards of reliability required for the fire and security industry. AES-IntelliNet alarm monitoring systems are deployed at hundreds of thousands of locations in over 130 countries.



For more information
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