RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/29/16

AES INSTALLATION GUIDELINES

PURPOSE: To provide a standardized guideline for the installatic AES fire alarm transmitter.

SCOPE OF WORK: To provide and install the AES fire alarm transmitter in accordance with the manufacturer's installation procedures, including the control unit, transformer, standby battery, appropriate antenna necessary to obtain the required signal strength, all mounting hardware and grounding devices. A tamper switch, Sentrol # 3025 with push/pull circuit closure will be provided, indicating the status of the panel cover.
The main control unit shall be mounted in a readily accessible secure location at a height not to exceed 6 feet, to allow for programming and service without elevating devices. The location must be approved by the AHJ before installation. The antenna, if not control unit mounted, shall be located in such a manner as to not exceed the 50 cable length as allowed by UL/FM listings.. The antenna run shall be in conduit, or flexible metal tubing as per manufacturer's guidelines. Lightning protection shall be at the immediate point of the antenna cable entering the premise and installed according to manufacturer's specifications.
Wiring between the fire alarm control panel or the addressable modules/relays and the AES unit should be 18 gauge. Larger gauge wire is difficult to work with on the AES terminal strip. Power wiring from the transformer to the AES can also be 18 gauge for reasonable distances.

PROGRAMMING OF THE AES

To prevent erroneous signals being transmitted during installation, all programming of the AES transmitter shall be completed by authorized fire department personnel only. No off site programming or advance programming will be allowed.
Subscriber box numbers will be assigned by the communications dept, or AHJ, upon the receipt of a fully completed application for master box installation. All areas of the application MUST BE COMPLETED, including the name and address of the billing subscriber, emergency contact personnel and telephone numbers, before the box number can be assigned.