



STERLING FIRE DEPARTMENT

OFFICE OF FIRE PREVENTION

5 MAIN STREET - P.O. BOX 21

STERLING, MA 01564

TEL: 978-422-8107

RADIO MASTER BOX APPLICATION

PROPERTY INFO

Property Name: _____

Property Address: _____

Owner's Name: _____

Owner's Phone & Email: _____

BILLING ADDRESS FOR MONITORING FEE

Name: _____

Address: _____

City/State: _____ ZIP: _____

Billing Phone & Email: _____

INSTALLER INFO

Installer's Name: _____ LIC#: _____

Installer's Phone & Email: _____

Contact person(s) responsible to receive Trouble & Supervisory Alarm notifications via text/email

Name & Phone: _____

Email: _____

General Installation Information:

1. AES Subscriber Units (A.K.A. "Radio Boxes") shall be installed per manufacturers instructions.
2. Radio Boxes shall be issued once this application has been submitted and approved by the Sterling Fire Department and the \$1500.00 Radio Box application fee has been paid. (Check made out to the "Town of Sterling")
3. Boxes shall be issued pre-programmed with the Box # assigned by the Sterling Fire Department and the proper cypher code to access the Sterling Fire Department network. Input zones on each Box will be configured with Zones 1 through 7 programmed to transmit ALARM (E140) type signals. These circuits should be wired as normally open at the alarm relay with the end-of line resistor (2.2K) wired parallel to the open relay contacts to properly supervise the circuit. An alarm condition on this circuit should close the contacts on the alarm relay, which in turn should close the circuit between the common terminal and the zone terminal on the input board on the radio box.
4. Zone 8 on the radio box will be programmed to transmit a TROUBLE (E370) type signal. This circuit should be wired as normally closed at the alarm relay with the end-of-line resistor (2.2K) wired in series to properly supervise the circuit. Activation of the trouble relay on the FACP should open the circuit between the common terminal and the zone terminal on the input board on the radio box.
5. A minimum of 2 (two) 12V 7Ah batteries or equivalent shall be provided to serve as back up power supply. Batteries shall be wired in PARALLEL so that the Radio Box is supplied with 12V of power. DO NOT WIRE THE BATTERIES IN SERIES as this will send 24V to the radio box circuitry, permanently damage the internal components and render it unusable.
6. Never power up a radio box without the proper antenna connected to the transceiver, as this can also permanently damage the circuitry inside the Radio Box and render it unusable.
7. It shall be the discretion of the Fire Department as to whether or not an external antenna shall be required for any particular installation.
8. It shall be the discretion of the Fire Department to require supplemental reporting of point-specific contact-id coded information via a 7794 Intellipro equipped radio box in addition to data transmitted from alarm panel relays. Programming and configuration shall be coordinated with the Sterling Fire Department.

**PLEASE DIRECT ANY OTHER QUESTIONS TO THE
STERLING FIRE DEPARTMENT FIRE PREVENTION OFFICE**

978-422-8107