



## Fire Prevention Division

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### SUPPLEMENTAL RULES & REGULATIONS

<b>Number:</b>	08-907.2		
<b>Subject:</b>	Fire Alarms Control Units (panels) in R-2 Occupancies		
<b>Code:</b>	2003 International Fire Code	<b>Code Section:</b>	907.2
<b>Effective Date:</b>	June 4, 2008	<b>Issued by:</b>	Fire Marshal Roger Parker 
<b>Revision Date:</b>	NA	<b>Issued by:</b>	NA
<b>Supersedes:</b>	NA	<b>Date:</b>	NA

#### AUTHORITY:

§104.1 of the 2003 International Fire Code authorizes the fire marshal to render interpretations of the fire code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions.

#### PURPOSE:

To establish rules and regulations regarding requirements for fire alarm control units (panels) in R-2 occupancies, particularly apartment buildings. Due to the high incidence of fires in apartment buildings it is imperative that building occupants be protected by well designed fire alarm systems that properly protect each building. It is also imperative that the fire alarm system design assists emergency responders to quickly and efficiently handle fire alarm responses to these occupancies. The installation of a fire control unit (panel) for each independent building provides a self sufficient building fire alarm system that can be maintained without affecting other buildings and provides firefighters with the fire alarm control unit (panel) that they need for emergency response and operations.

#### SCOPE:

This regulation covers all facilities, buildings, or uses within the City of Avondale after the effective date.

#### GENERAL:

The 2003 International Fire Code §907.2, as amended by the City of Avondale, states:

*An approved automatic fire alarm system shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and fire department policy. All fire alarm systems shall be addressable. The use of non-fire combination systems is prohibited. Where automatic sprinkler protection installed in accordance with this code and fire department policy is provided and connected to the building fire alarm system, automatic heat detection required by this Section shall not be required.*

*An approved automatic fire alarm system shall be installed in accordance with the provisions of this code, NFPA 72 and fire department policy. Devices, combinations of*

*devices, appliances and equipment shall comply with Section 907.1.2. The automatic fire detectors shall be addressable, intelligent analog smoke detectors, except that an approved alternative type of detector shall be installed in spaces such as boiler rooms where, during normal operation, products of combustion are present in sufficient quantity to actuate a smoke detector.*

**SUPPLEMENTAL RULE OR REGULATION:**

The City of Avondale Fire Code requires fire sprinkler systems and fire alarm systems in all R-2 occupancies, including apartment buildings. Each individual occupied building requires the installation of a fire alarm control unit (panel) in that building. Fire alarm monitoring for multiple buildings in an apartment complex can be provided through the primary fire alarm control panel for the complex in accordance with section 907.15, which states:

*All required fire alarm systems shall be monitored by an approved supervising station in accordance with NFPA 72 and fire department policy. The point identification, location and type of alarm shall be transmitted to the off site monitoring company who shall communicate the information to the fire department alarm center. Monitored fire alarm systems serving multiple buildings shall use class A style looped wiring circuits. Underground fire alarm wiring circuits shall be installed in approved conduit rated for use in damp conditions.*