



CITY OF EL RENO FIRE DEPARTMENT

Fire Alarm Replacement Panel

It's reasonable to say that most fire alarm systems will not last the entire life of the building. They'll be replaced due to changes in building needs, failure, or lack of support for the product. In these situations, it is often asked what is required if the fire alarm control panel is replaced?

First, it's worth identifying what is replacement vs. repair or modification?



Repairs can be defined as work that does not require a permit or that does not include addition, alteration, replacement, or relocation in accordance with IFC 105.1.5. Repair work could include changing individual small pieces of the fire alarm system such as, defective pull station, notification appliance, or smoke detector with listed compatible devices.

Modifications could include addition, alteration, or relocation. This work would require a permit and be defined as tenant improvement type work, where system devices are added or deleted. Fire alarm system program changes would also fall under this work type. An existing fire alarm panel where cards or a central processing unit are changed could also be a modification. This could include updating from the existing version to a new one supported by the manufacturer. This does not however allow a wholesale of fire alarm parts to be changed out to ultimately create a new fire alarm system.

Replacement is defined as specifically changing the fire alarm control panel with new. This could

be changing from one brand to another, or a new model from the existing brand. A new fire alarm control panel from the same manufacturer and the same model number would also be a replacement if the entire panel was to be changed out and not just an individual part.



In accordance with IFC 907.1, fire alarm control panels replaced in existing buildings could require system upgrades if the fire alarm system was a required system in accordance with IFC 907.2 and does not currently comply with the occupant notification requirements of IFC 907.5. It's likely that some notification additions or alterations will be needed, since previous versions of the code may not have required the level of notification that the current version does. In some cases, there could also be tradeoffs, since initiation devices such as pull stations may no longer be required if the building has fire sprinklers. In that case it could be acceptable to remove those devices. Any required upgrades by this code are specific to the fire alarm system and have no implications to upgrade other systems like, fire sprinkler, or smoke control. Any listings or special functions would be required to be maintained, but would not ensue a global upgrade.