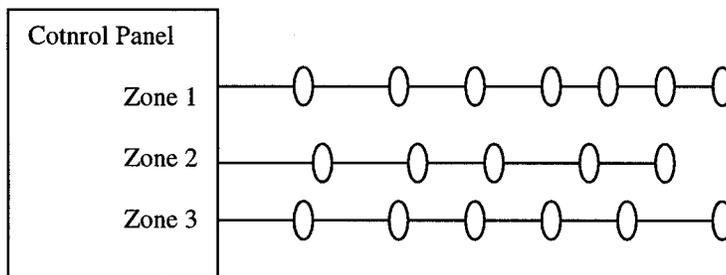




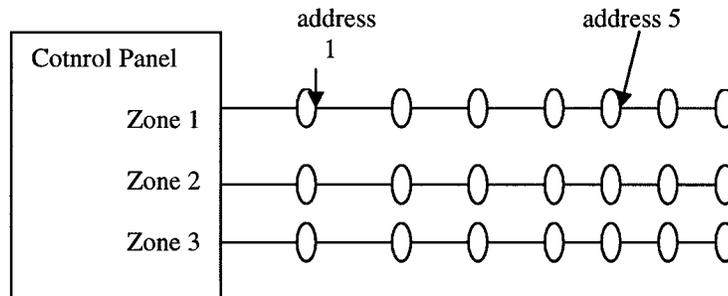
Extract from license

The 612I and 912I (Lo-Pro) series smoke detectors employ an ionization chamber sensing element and is intended for use in commercial/industrial fire detection systems. The 612I is a conventional non-addressable smoke detector, while the 912I is an addressable smoke detector. The detectors are used in ceiling or wall mount applications in plug in bases which are wired to suitable control and indication equipment. These detectors are not intended for sale to the general public for domestic applications.

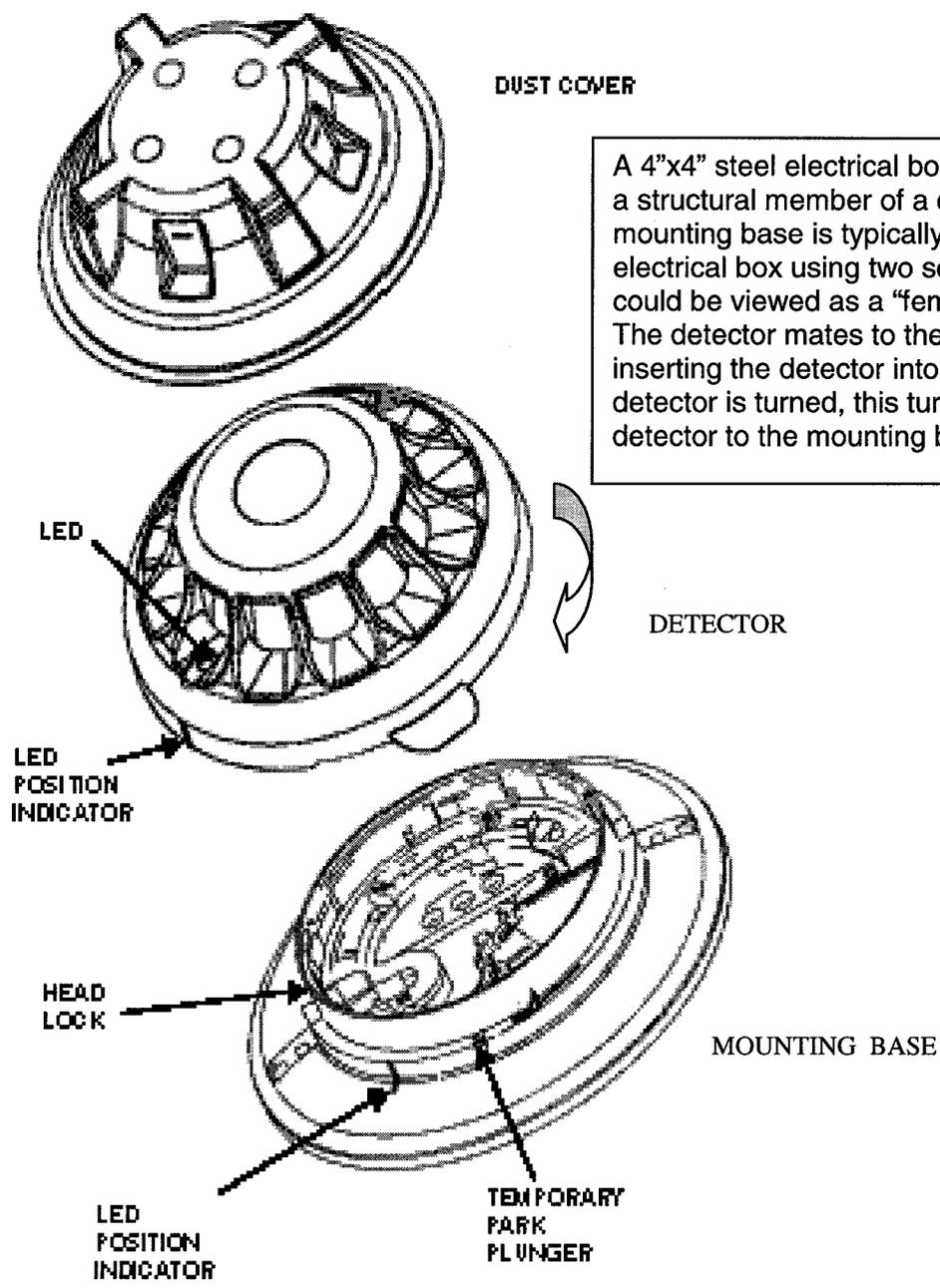
**NON-ADDRESSABLE** The 612 Ion detector is used with an electronic control panel that cannot determine the specific location of the detector. The control panel identifies the location in a zone format only. Therefore, the panel can only indicate if there is a fire in a particular area, ie North East Wing.



**ADDRESSABLE DETECTOR** The 912Ion detector is used with an electronic control panel that can determine specifically where a detector is located because the detector's electronic board sends a unique address location in a communication signal. This address location is then programmed into the control panel so that an alarm can be generated which identifies the specific address or location of the detector, ie "COMPRESSOR ROOM".



The non-addressable (612I) and the addressable (912I) detectors contain the same source element. The difference between the two detectors are in the electronic circuit board and the housings. The 912I has connectors imbedded in the plastic so that the "address" can be communicated to the control panel.



A 4"x4" steel electrical box (not shown) is secured to a structural member of a ceiling or wall. The mounting base is typically installed onto the steel electrical box using two screws. The mounting base could be viewed as a "female" outlet for the detector. The detector mates to the mounting base. After inserting the detector into the mounting base, the detector is turned, this turning motion secures the detector to the mounting base.

Figure 1