

HOLIFSA

Integrated Fire Detection and Suppression Systems

The Holifsa Residential Integrated Life Safety System™ combines high quality aspirated smoke detection and NFPA 13D residential fire sprinklers to create an unparalleled life safety system.

The patent pending system includes a control and release module, an aspirated smoke detector, solenoid water control valve, audible warning devices, and a user interface with alpha-numeric display.

The system includes back-up batteries to keep running during power outages.

The solenoid valve, control panel, and sampling detector are located out of the way near the water entry.

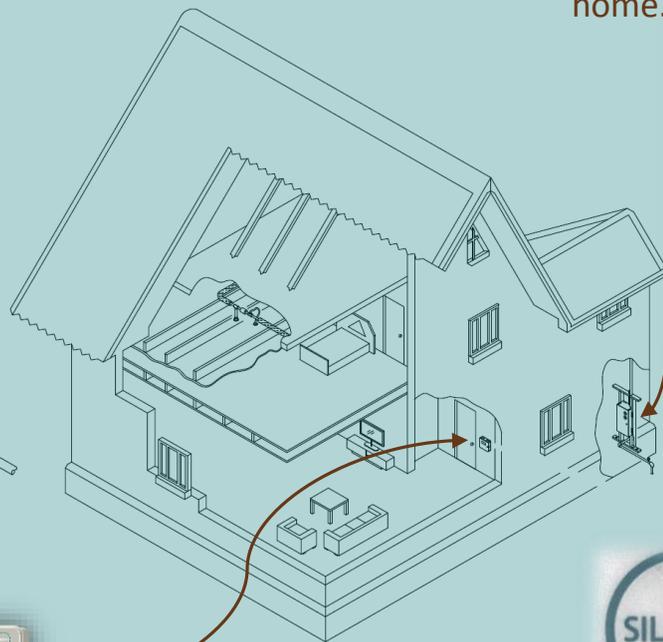
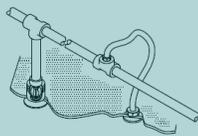
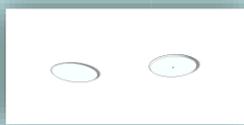
An aesthetically appealing interface is located in the living space. The interface uses chimes and an alpha-numeric display to inform the user of the system status and the presence of smoke.

The system has a high degree of immunity to nuisance alarms through its unique integration of the sampling smoke detector with the thermal elements of listed residential fire sprinklers. At the sign of smoke, a chime will sound. The user can conveniently silence the chime while the system continues to look for a more serious sign of fire - the opening of a sprinkler head. Should this occur, the system automatically overrides the silencing, sounding horns and discharging to provide life-saving evacuation time.

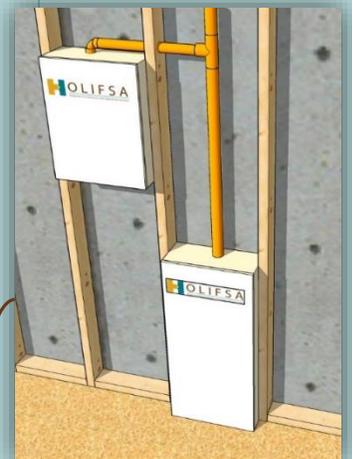
A unique pipe health checking algorithm insures that the system piping is free from blockage and from breakage which allows the pipe to be run in attic spaces without fear of freezing. In addition, accidental discharge due to sprinkler head or piping damage is eliminated.

Homeowners can rest at ease, since unlike wet pipe or dry pipe systems, the accidental breakage of a pipe or sprinkler head alone will not cause the release of water.

Concealed sprinkler heads and aspiration points are located at the ceiling where they are almost imperceptible



The water control solenoid, aspirated detection, and control panel are located out of the way - near the water entry to the home.



The aesthetically attractive system interface is located in the living space. Clear messages let users know exactly what's happening.

We know cooking smoke is a reality in homes so we included a silence button on the interface to bypass the chime, then reset automatically when smoke clears. In the event of a fire, the system will detect an activated sprinkler head and override the silenced condition.



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