
SC117 Fire detection system with remotely and individually identifiable detectors

(1996)
(Rev. 1
2001)
(Rev.2
Nov 2005)

(FSS Code, Ch. 9, 2.1.4 and 2.4.3.2)

The requirement that a system be so arranged that a loop cannot be damaged at more than one point by a fire, is considered satisfied by arranging the loop such that the data highway will not pass through a space covered by a detector more than once. When this is not practical (e.g for large public spaces), the part of the loop which by necessity passes through the space for a second time should be installed at the maximum possible distance from the other parts of the loop.

The requirement that a system be so arranged to ensure that any fault occurring in the loop will not render the whole loop ineffective, is considered satisfied when a fault occurring in the loop only renders ineffective a part of the loop not being larger than a section of a system without means of remotely identifying each detector.

Definitions:

Loop means electrical circuit linking detectors of various sections in a sequence and connected (input and output) to the indicating unit(s).

Zone address identification capability means a system with individually identifiable fire detectors.

