

Fire formal interpretations

15 February 2018

FI-133

NZS 4512:2010 *Fire Detection and Alarm Systems in Buildings* – Clause 405.3.2 Spacing for Line Type Heat Detectors

Question:

Clause 405.3.2 (a) requires line-type heat detectors to be spaced in accordance with the conditions of clause 405.2 as far as they are applicable and appropriate.

Do the sections of clause 405.2.1 requiring detector spacing to be reduced to two-thirds in the presence of protrusions (beams, joists, purlins etc.) apply to line-type heat detectors?

Interpretation issued by the Alarms and detection group:

Yes.

Where the line-type heat detector is run parallel to the protrusions, line spacing of not more than two-thirds of the 8 m specified in clause 405.3.2 (b) is required.

Where the line-type heat detector is run at right angles to the protrusions, 8 m line spacing is acceptable.

NOTE:

The same principles also apply to beam-type smoke detector spacing per clause 405.3.4.