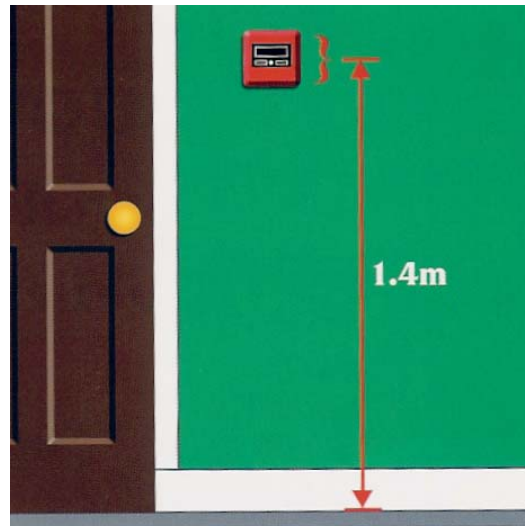




INSTALLER GUIDE

This document provides essential information for the correct installation of LIFECO Fire Detection Products. It is provided to help avoid some of the problems that can arise whilst on site; particularly useful where a certificate is required.

The correct positioning of devices and call points is essential to avoid unwanted alarm activations.

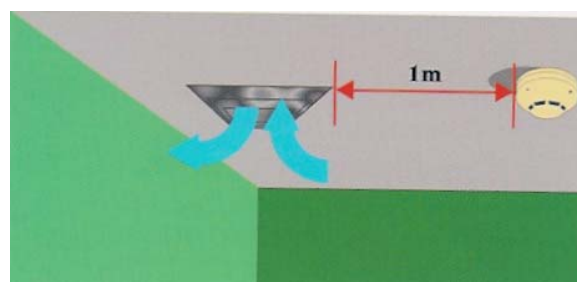


Manual Call Points should be positioned at 1.4 m from floor level.

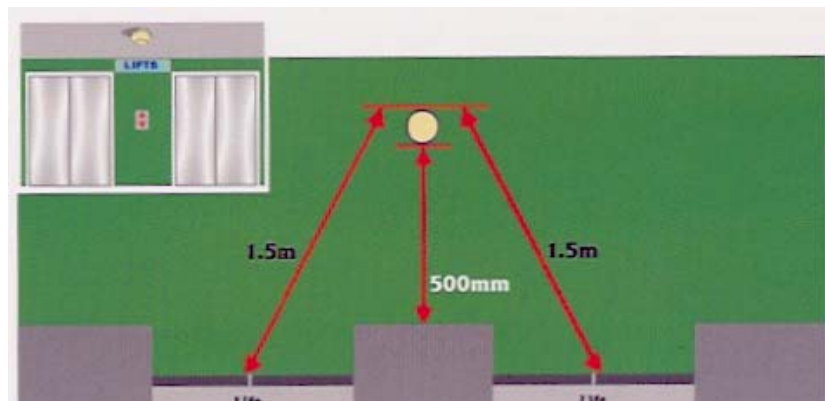
If the cable medium is not MICCC, or some other type with built in mechanical protection (SWA), all cabling below 2.25 from the floor should be mechanically protected.



No device should be positioned closer than 500mm to any wall or partition.



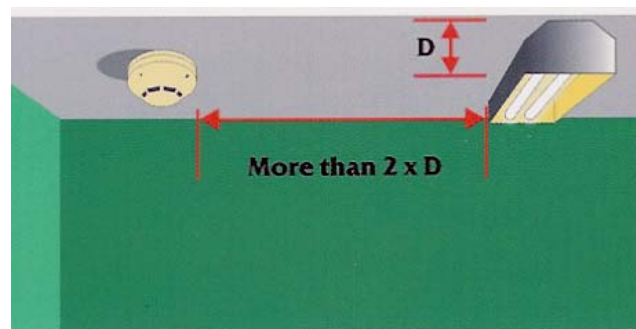
A device should not be positioned within 1m of any fresh air supply grill or air conditioning intake.



Between two adjacent lifts one device may be positioned at a central point 1.5m from each lift entrance but no less than 500mm from any wall or partition.



Lifts, dumb-waiters, shafts etc. Where a floor or ceiling is penetrated by enclosed shafts or chutes, for example enclosed staircases, lifts etc., a device should be sited within 1.5m of any opening.



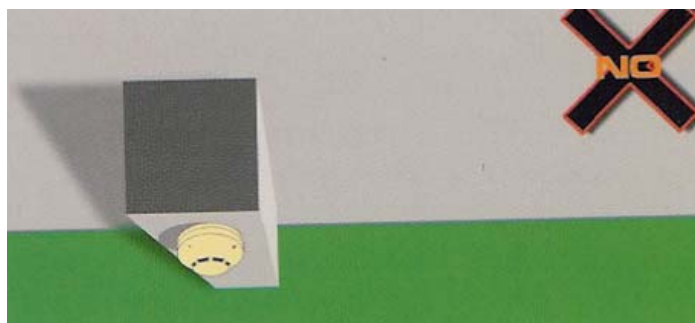
A device should not be positioned within twice the depth of any ceiling obstacle, for example, light fittings or luminaries.



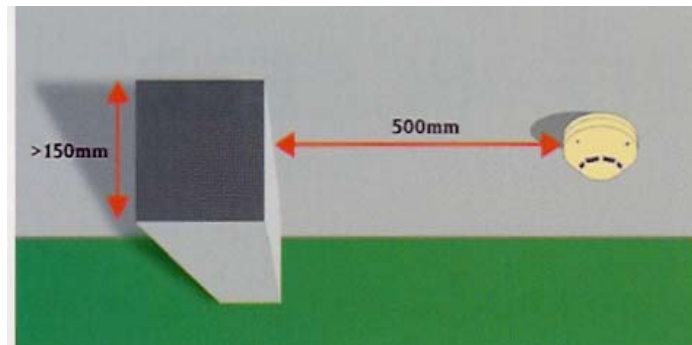
A heat barrier can form within enclosed ceiling recesses (e.g. lantern lights). This can prevent smoke reaching the device.



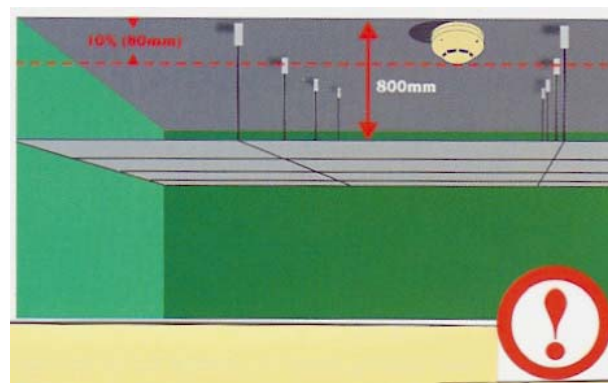
Horizontal support or Vertical support. Smoke detection devices should be mounted to avoid the heat barrier. The mounting height to be defined by calculation or consult a project engineer.



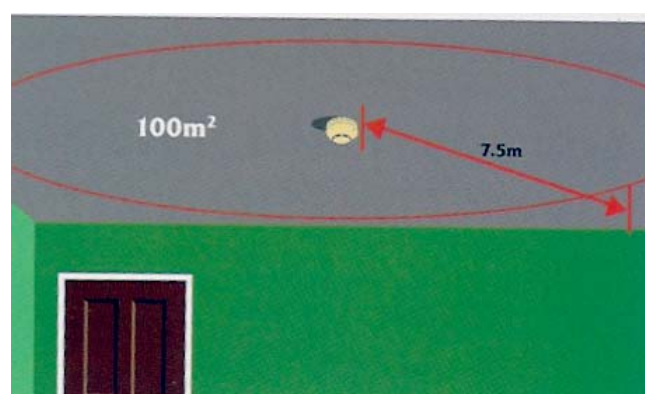
Devices should ideally be positioned at the highest point in an area being protected



Locate devices at least 500mm from a beam greater than 150mm deep but which represents less than 10% of the ceiling height. Any beam greater than 10% of the ceiling height should be treated as a wall.

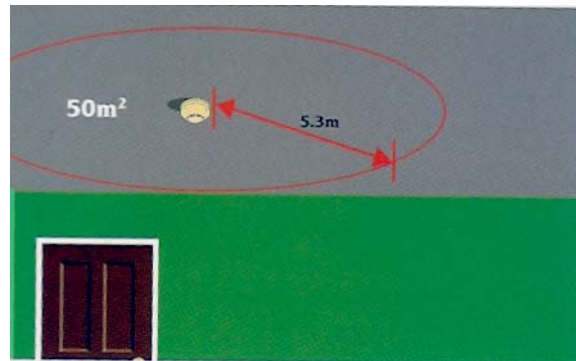


For an L1, P1 or P2 system and for the L2 parts of an L3 system, all voids greater than 800mm in depth require detection. The device here should be fitted within the top 10% of the void.

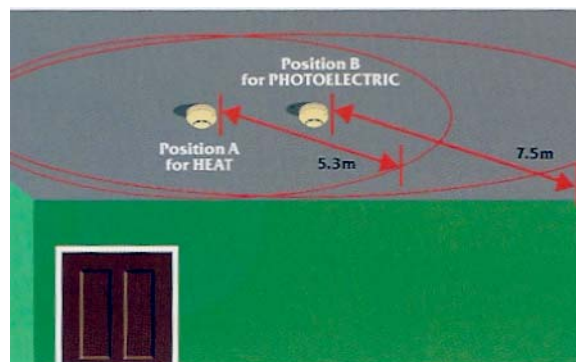




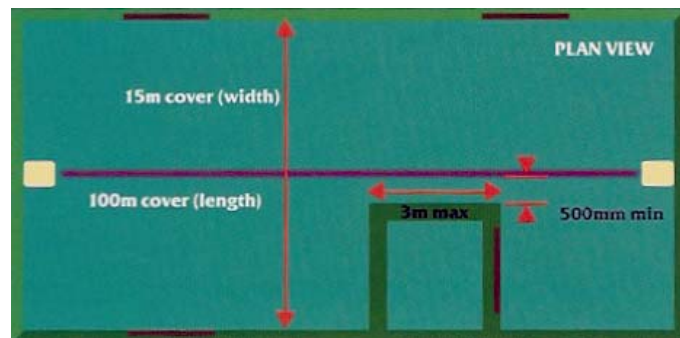
A smoke detection device has a radius of 'coverage' of 7.5m. One smoke detection device can protect up to 100m² under a flat horizontal ceiling.



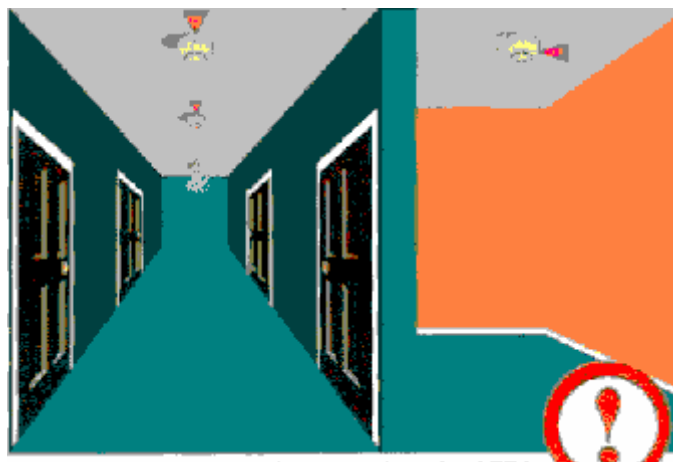
A heat detection device has a radius of 'coverage' of 5.3m. One heat detection device can protect up to 50m² under a flat horizontal ceiling.



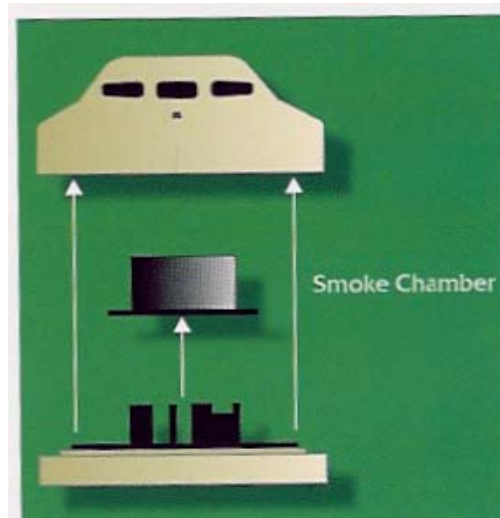
Multi-sensors should be positioned so that in the event of the device being switched from smoke to heat detection, it will cover the required area.



A linear beam detector should be no more than 600mm from the underside of the ceiling. The total maximum coverage for one beam detector is 1500sq.m. Not more than 3m of the beam length can be within 500mm of an adjacent wall or partition.



All devices should be fitted so that the LED's will face the entrance door to the area being covered or in the direction a searcher would view it.



Photoelectric smoke devices features a removable smoke chamber which can be easily cleaned to help maintain optimum performance of the device. LIFECO recommends that this should be carried out at least once per year.



Lichfield Fire & Safety Equipment Co Ltd.
The Intelligent Solution

For further information consult us.

Lichfield Fire & Safety Equipment Co. Ltd.

2nd Floor, Suite 4, Saturn Centre, Spring Road, Ettingshall, Wolverhampton, WV4 6JX United Kingdom.
Tel: 0870 066 4401 Fax: 0870 066 4402 Email: info@lifeco-uk.com www.lifeco-uk.com

**E-mail
(for sales)**

sales@lifeco-uk.com

(for general, non-product related inquiries)

info@lifeco-uk.com

WEB

www.lifeco-uk.com



Lichfield Fire & Safety Equipment Co Ltd.
The Intelligent Solution