Alarm Siting

Aico, an Ei Company, is the European market leader in home life safety. With integrated fire, CO, and environmental sensors. Their UK-standard alarms and sensors are manufactured in Ireland, while their advanced software, developed in Bristol, provides real-time insights. By combining trust and innovation, Aico aims to create safer, healthier, and more sustainable homes.

Smoke



Hallway & Landing

- Site less than 3m from any bedroom door
- Site between high-risk rooms and bedrooms
- Site away from bathroom door
- Site within 7.5m of any point within the area to be protected

Stairways

- Site an alarm centrally on the ceiling in the hallways
- Do not site alarms on the wall or any sloping parts of the ceiling

Heat



Kitchen

- Centrally site - 5.3m radius of coverage
- Consider location of alarm and sources of heat e.g. cooker/hobs
- Heat alarms should be ceiling-mounted only
- Heat alarms can also be sited in garages following the same guidance as above

Carbon Monoxide



With a fuel-burning appliance

- Site on the ceiling at least 300mm from walls or any other obstruction
- 1-3m horizontally from the appliance
- If more than one appliance is in the room, site in between both appliances

Without a fuel-burning appliance

- In bedrooms, site at breathing height

Alarm Siting Quiz

Put your knowledge to the test! Answer the questions below by ticking the box you think is correct.

Q1	What is the detection radius of Heat alarms?	Ans.
A	7.5 meters	
B	6 meters	
C	5.3 meters	✗
D	7 meters	

Q2	What is the detection radius of a Smoke alarm?	Ans.
A	7.5 meters	✗
B	6 meters	
C	5.3 meters	
D	7 meters	

Q3	What's the maximum distance from the apex a Smoke alarm can be installed on a peaked or sloped ceiling?	Ans.
A	600mm down from the apex	✗
B	550mm down from the apex	
C	150mm down from the apex	
D	450mm down from the apex	

Q4	If the depth of the beam is greater than _____ it should be treated as a wall.	Ans.
A	9% of the height of the room	
B	10% of the height of the room	✗
C	7.5% of the height of the room	
D	5% of the height of the room	