

ES1242 EchoStream[®] Smoke Detectors

Guidelines for Mounting the ES1242

Use the provided anchors and screws to mount the ES1242, paying careful consideration to the following best practices:

NOTICE: Regulations pertaining to smoke detector installations vary. Always consult your local fire department, local authority and Local & National Standards where applicable. These directions are a guide only, and should not replace a full site survey. Test the units in situ to find optimum location.

- Install a minimum of two smoke sensors in any household
- Put a smoke sensor in the hallway outside of every bedroom area
- Put a smoke sensor on every level of a multi-level residence
- In a room with sloped ceilings, install smoke sensors 0.9m measured vertically down from the highest point of the ceiling
- Install basement sensors on the ceiling as close to the centre of the room as possible. If this is not practical, install on the ceiling no closer than 10cm from a wall or corner
- If ceiling mounting is not practical, install on an inside wall between 10 and 15 cm from the ceiling
- Put smoke detectors at both ends of a bedroom hallway if the hallway is more than 9m long. Large rooms over 84 square metres require more than a single sensor
- Areas with rough ceilings or short, transom-type walls coming down from the ceiling require additional smoke sensors
- Install first-floor smoke sensors on the ceiling at the top of the ground to first floor stairwell. Be sure that no door or other obstruction blocks the path of smoke to the sensor.

Do not locate sensors:

- To a drop ceiling tile; mount it to a metal runner
- In or near areas such as kitchens or garages, where smoke or vehicle exhausts normally occur (protect these areas with heat-detection devices, not with smoke sensors); near furnaces, hot water heaters or gas space heaters
- In damp or very humid areas, or next to bathrooms with showers. Install sensors at least 1.5m away from bathrooms
- In very cold or very hot areas
- In dusty, dirty or insect infested areas
- Near fresh air inlets or returns or excessively drafty areas. Air conditioners, heater, fans, and fresh air intakes and returns can drive smoke away from smoke sensors
- In dead air spaces at the top of a peaked ceiling or wall/ceiling intersect. Dead air may prevent smoke from reaching a smoke sensor
- Near fluorescent light fixtures. Install smoke sensors at least 3m away from fluorescent light fixtures



Do NOT mount smoke detectors in kitchens



Do NOT mount smoke sensors near sources of fresh air or in drafty areas

Caution: All sensors are subject to possible compromise or failure-to-warn for a variety of reasons. For example: Smoke detectors cannot detect smoke in chimneys, walls, roofs, or smoke blocked by closed doors; sensors may not warn in time when fires are caused by smoking in bed, explosions, improper storage of flammables, overloaded electrical circuits or other hazardous conditions.

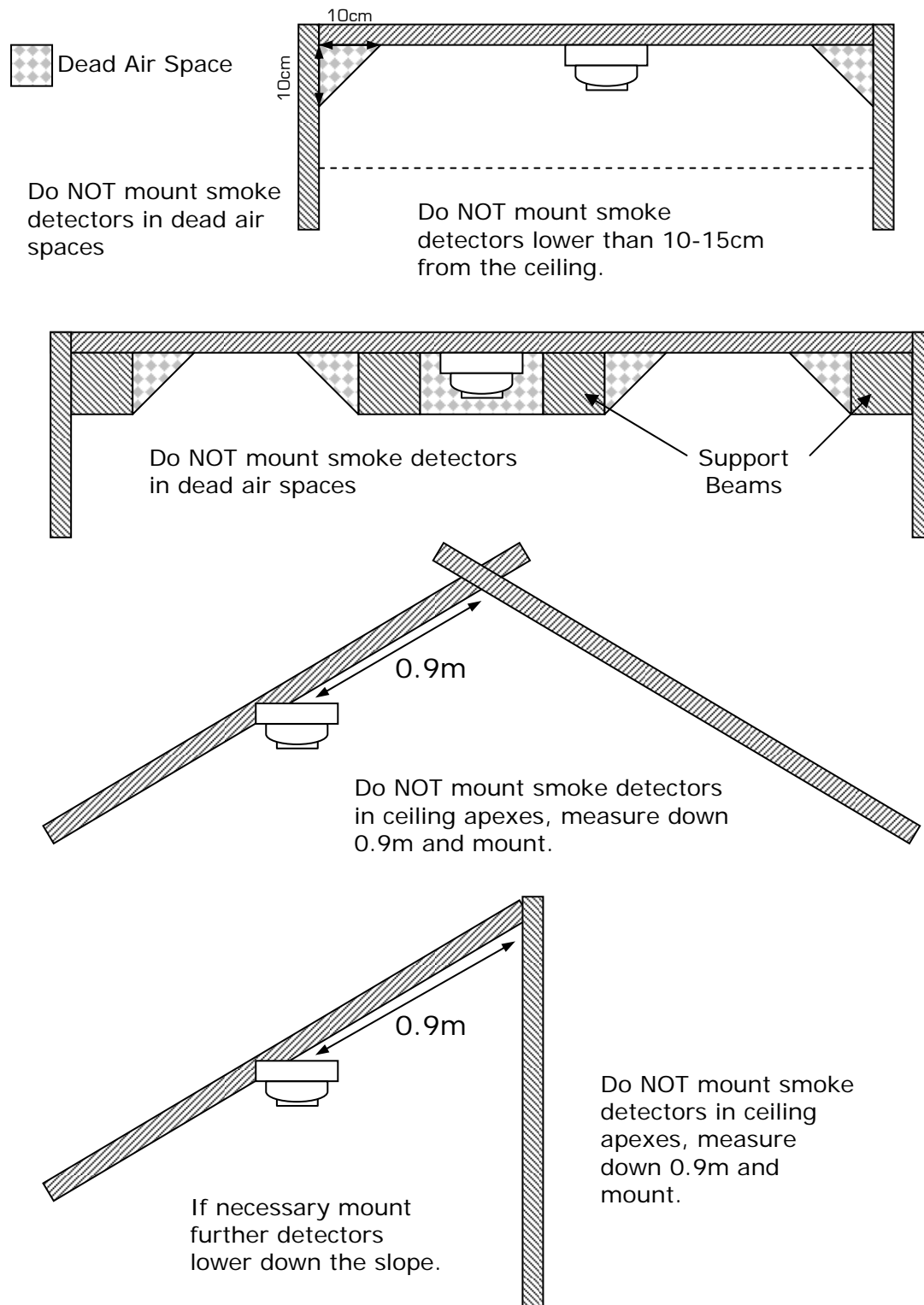
After-Care

Excessive dust accumulation can interfere with the sensitivity of the alarm resulting in false alarms. Always cover or completely remove the smoke detector during any building work. You must uncover or replace the smoke detector after completion of the works.

Never paint the smoke detector.

Dead Air Spaces

A 'dead air' space is an area where smoke typically cannot reach due to the necessity of air having a circulatory route around the room. To avoid dead air spaces please take note of the following advice:



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