



FIRECHIEF KITCHEN STOVE GUARD

SMART FIRE PREVENTION
SYSTEM INSTALLED IN
LONDON WESTMINSTER
APARTMENTS

Architect: Flanagan Lawrence
Structural Engineer: Shockledge
Landscape Architect: Gustafson Porter + Bowman
Main Contractor: Bouygues UK
Electrical: Accord Electrical

WHAT WAS THE NEED?

Carrick Yard in Westminster is a residential development comprising 168 one-, two-, three- and four-bedroom apartments, a community space and public sports hall as well as extensive landscaped public areas. The scheme delivers improvements to existing surrounding housing and public spaces and is part funded by Westminster City Council. It is the first development to be completed in the Church Street Regeneration area.

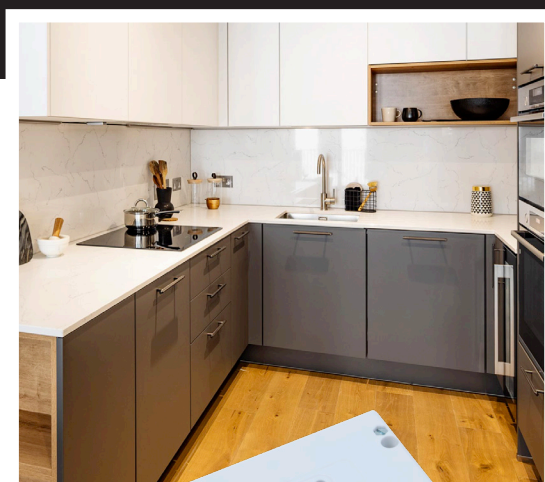
The Fire regulations which apply to high-rise living accommodation meant that the kitchens in each apartment would require a fire suppression unit complete with sprinklers to be fitted. These units need to be installed and maintained by a specialist engineer and can also cause damage within a property should they be activated due to a fire. Therefore, the Firechief Kitchen Stove Guard was chosen as an alternative, unobtrusive design-led fire prevention solution.

THE SOLUTION

50% of all accidental house fires start in the kitchen. However, the Firechief Kitchen Stove Guard provides a worry-free approach to managing cooker top safety without affecting normal cooking since it reacts to an alarm by turning the cooker's electricity supply off. The intelligent heat sensor in the Kitchen Stove Guard tracks the rate of increasing temperature, as a steeply rising temperature is an indication of a developing fire hazard.

HOW IT WORKS

The Firechief Kitchen Stove Guard is a device that works out when the temperature of cooking is too high (and therefore potentially hazardous) and turns off the source of ignition, effectively preventing kitchen fires before they start. This creates a safer home for the tenants and owners of flats and luxury apartments.



The Firechief Kitchen Stove Guard is a smart way to guard against kitchen fires because it responds before the formation of toxic gases and before a fire is ignited. It will even cut off the electricity supply if the hob has been left on accidentally – the setting for this can be tailored to individual installations. The Cooker is reactivated simply by pressing the sensor button. The device works with induction hobs.



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THE BENEFITS

The fitting of the Firechief Kitchen Stove Guard solution brought a number of benefits to the apartments:

- Sleek sensor design
- Intelligent fire safety technology which prevents fires long before they can start. The heat sensor activates the cooker switch when pre-fire conditions are detected instead of reacting to extinguish a fire once it has actually begun
- Easy installation, undertaken by the electrical contractors already working on site rather than a specialist fire suppression installation engineer
- Continuous 24/7 protection for peace of mind. The device monitors and adapts to the occupiers cooking style
- Automatic fault diagnosis constantly analyses the Kitchen Stove Guard's function when the hob is in use – no monthly testing
- Lower cost – less than half the cost of a fire suppression system No annual maintenance required
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- Fulfils the requirements of Stove Guard Standard EN 50615
- 2-year warranty

