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Design & Technology  
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# FIRECHIEF®

making the world a safer place

## FIRECHIEF KITCHEN STOVE GUARD

The smart way to  
prevent kitchen fires



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# FIRECHIEF KITCHEN STOVE GUARD

## The smart way to prevent kitchen fires

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 all – especially the elderly, vulnerable and student population, as well as the tenants and owners of flats and luxury apartments.

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.

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 device works on all types of electric hobs, such as induction, halogen and electrical coil.

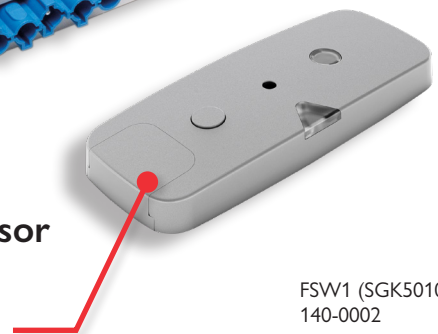
### Control Unit

Cuts off the electricity after the alarm has been set off



### Temperature Sensor

Standalone sensor can be ceiling or wall mounted



FSW1 (SGK5010)  
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Next generation fire protection is about stopping fires before they start

## ADAPTABLE, TRUSTWORTHY, AND HIGHLY INTELLIGENT

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- 50% of all home fires start in the kitchen. The Firechief Kitchen Stove Guard creates a safer home for all – especially the elderly, vulnerable and student population
- Prevents cooking fires long before they can start – the intelligent heat sensor activates cooker switch when pre-fire conditions are detected
- Unobtrusive, slimline sensor designed for easy installation on electric cookers
- Cooker is reactivated simply by pressing the sensor button
- 24/7 monitoring for peace of mind
- Ceiling and wall installation options
- Automatic fault diagnosis – no monthly testing
- Fulfils the requirements of Stove Guard Standard EN 50615
- 2 year warranty



## FIRECHIEF KITCHEN STOVE GUARD

### SMART FIRE PREVENTION SYSTEM INSTALLED IN LUXURY APARTMENTS

**Client:** AlloyMtd Group  
**Architect:** Kohn Pederson Fox (KPF)  
**Main Contractor:** Mace  
**M&E Engineer:** AECOM  
**Interior designer:** Bowler James Brindley  
**Interior/kitchen designer:** B&BItalia /Arclinea



### WHAT WAS THE NEED?

One Crown Place is the latest high rise addition to London's skyline. Home to 246 luxury apartments, high-quality office space, a boutique hotel and members' club, it is located between the City of London and Shoreditch. Designed by internationally renowned architects Kohn Pederson Fox (KPF), the development features two prismatic towers of 28 and 33 storeys.

In the apartments, interior designers Bowler James Brindley specified custom designed kitchens by Italian company Arclinea featuring a dark lacquered finish with engineered stone worktops and glass fronted cabinets.

The Fire Safety regulations which apply to high-rise living accommodation meant that the open plan kitchens in each apartment would require a kitchen fire suppression unit to be fitted. These fire suppression units are highly visible with pipework, detection mechanisms and nozzles and need to be installed and maintained by a specialist technician. These types of systems activate when fire is detected and cause collateral damage with extinguishing chemicals being discharged. Therefore, the team of architects, designers and builders were open to the idea of an alternative, unobtrusive design-led fire prevention solution, such as the Firechief Kitchen Stove Guard.

### THE BENEFITS

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

- Sleek sensor design, sympathetic to the design led décor of the apartment kitchens
- 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
- Easier and simpler 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
- Fulfils the requirements of Stove Guard Standard EN 50615
- 2 year warranty

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