

CASE STUDY

NEW BUILD STUDENT ACCOMMODATION
MILES STREET, LONDON SW8

FIRECHIEF[®]
making the world a safer place



FIRECHIEF KITCHEN STOVE GUARD

SMART FIRE PREVENTION
SYSTEM INSTALLED IN
NEW BUILD STUDENT
ACCOMMODATION

Client: Downing Property Services
Architect: T P Bennett
Structural Engineer: Walsh Associates
M&E/ Sustainability Engineer: Hoare Lea
Landscape Architect: Optimised Environments Ltd
Electrical Contractor: HE Simm
Fire Consultant: Omega Fire Engineering Limited



Firechief Kitchen Stove Guard installed in a Gold Studio apartment in the Vega development

WHAT WAS THE NEED?

Vega is a 37-storey new build property in Vauxhall, South London ideally located near to Kings College London, University College London, University of London, and University of Westminster. The building houses a variety of 841 studio and shared student apartments and has a roof garden terrace, an on-site gym, cinema room, private dining area, and gaming zone all for student use, as well as a six-storey open-plan office.

As the student accommodation had cooking facilities which included a hob, fire safety protection was considered to be of particular importance. Due to its unique benefits and ease of use for the students and the fact that other Downing Student properties across the UK had requested it, the Firechief Kitchen Stove Guard was chosen to be installed as standard in 497 apartments to complement the passive fire products which had also been fitted.

THE FIRECHIEF KITCHEN STOVE GUARD SOLUTION

50% of all accidental dwelling fires start in the kitchen. However, the Firechief Kitchen Stove Guard provides a worry-free approach to managing cooker top safety without affecting cooking. The Stove Guard does this by alerting the user of pre-fire conditions and if no action is taken, it automatically turns off the electricity supply to the cooker. 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 of apartments and shared accommodation.

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 resetting the system once the cause of the alert has been investigated and controlled. The device is designed to work with all electric hobs.

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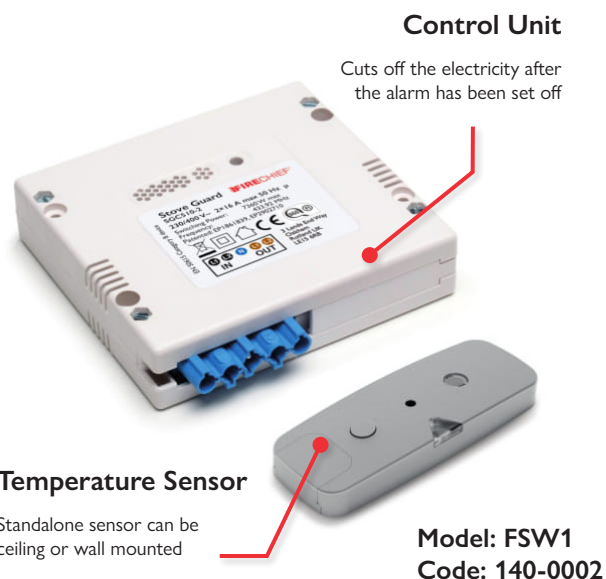
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SMART FIRE PREVENTION SYSTEM INSTALLED IN NEW BUILD STUDENT ACCOMMODATION

THE BENEFITS

The fitting of the Firechief Kitchen Stove Guard solution brings a number of benefits to the student accommodation:

- 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 and simple installation. This was undertaken by the electrical contractors already working on site, to a tight timescale for completion before the students arrival. All students are fully aware of the Kitchen Stove Guard and how it works.
- 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 required
- Sleek sensor design, sympathetic to the modern décor of the apartment kitchens
- 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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