

CASE STUDY

NEW RESIDENTIAL DEVELOPMENT,
GARRATT MILLS, EARLSFIELD, LONDON

FIRECHIEF®

making the world a safer place



FIRECHIEF KITCHEN STOVE GUARD

SMART FIRE PREVENTION
SYSTEM INSTALLED
IN NEW RESIDENTIAL
DEVELOPMENT



Client: The Collective

Architect: Assael Architecture

Structural Engineer: Walsh

M&E/ Sustainability Engineer: Caldwell Consulting

Fire Consultant: Jeremy Gardner Associates



WHAT WAS THE NEED?

Garratt Mills is a transformed historic former gunpowder mill which has been developed into a new residential accommodation and a cultural hub located along the River Wandle in Earlsfield, London.

The height of the buildings varies from two to eight storeys and houses a variety of 315 co-living homes, amenity spaces and roof terraces. The yard is a publicly accessible landscaped area surrounded by a café and flexible co-working space.

Fire safety protection was considered to be of particular importance in the living accommodation and so the Firechief Kitchen Stove Guard was chosen to be installed as standard in all 315 of the apartment kitchens.

WHY THE FIRECHIEF KITCHEN STOVE GUARD?

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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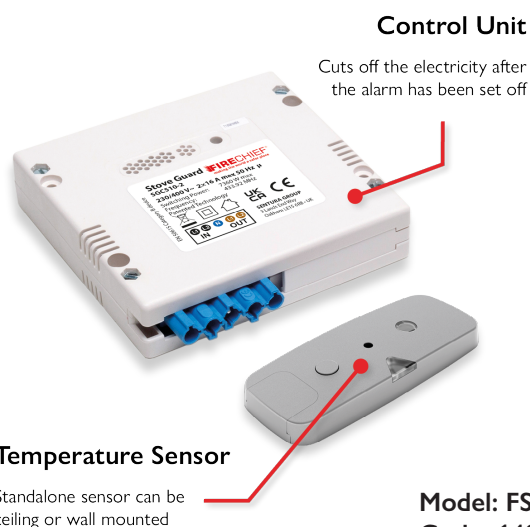
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FIRECHIEF KITCHEN STOVE GUARD

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 co-living homes at Garratt Miles, Earlsfield:
- 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.
- Continuous 24/7 protection for peace of mind. The device monitors and adapts to the occupiers cooking style
- Sleek sensor design, sympathetic to the modern décor of the apartment kitchens
- Lower cost – less than half the cost of a fire suppression system
- Automatic fault diagnosis constantly analyses the Kitchen Stove Guard's function when the hob is in use – no monthly testing is required
- No annual maintenance required
- Fulfils the requirements of Stove Guard Standard EN 50615
- 2-year warranty



Control Unit

Cuts off the electricity after the alarm has been set off

Temperature Sensor

Standalone sensor can be ceiling or wall mounted

Model: FSW1
Code: 140-0002

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