


 Prefect

Cleverly simple
control of energy.



HobSensus

HobSensus is a brand-new product designed specifically for student accommodation, communal kitchens and for those living with dementia.

HobSensus makes kitchens safer by alerting residents if there is potential for a pan fire and by ensuring that hobs are not left switched on if the person preparing food is distracted. As it complies with EN56015:2015 as a Category B product, conscientious landlords, and those caring for people living with dementia, have peace of mind that the kitchen is a safer place with HobSensus on the wall.

How does HobSensus work?

In ordinary operation, when the red button is pressed a cooking time of 30 minutes is activated before the hob switches off, this is usually sufficient for most pan-based meals to be prepared. If more time is needed the button is pressed to reset the timer for a further 30 minutes.

This is so much more than a timer!

HobSensus 'watches' over the cooking area, monitoring temperature on the hob surface and measuring the current drawn by the appliance.

The 'eye' of the device reads the temperature at 64 separate points across the surface of the cooking area. If the temperature rises to dangerous levels in any of the zones, for example a pan of boiling oil is left unattended, the power turns off, the alarm sounds and disaster is averted.

Normal operation can be resumed when the kitchen is occupied again, and the red button is pressed.

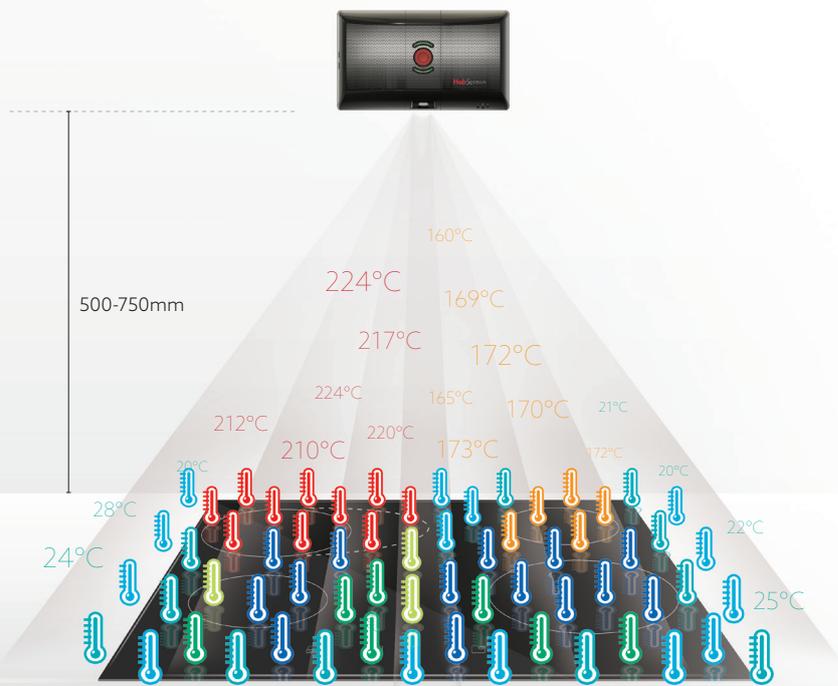
How is HobSensus installed?

The unit is fitted on the wall between 500 and 750mm above the work surface, and is compatible with most 600mm or 900mm wide electric hobs. It can be 'hard-wired' using a low voltage cable from a power unit or, be completely independent using batteries with a life expectancy of around 2 years.

- Power is cut to the hob before fire flashpoint temperatures are reached
- Hob is switched off after 30 minutes of activation if the cook is distracted
- 64 zone temperature sensor
- Compatible with most 600mm or 900mm wide electric hobs,
- 40Amp switching capacity
- Hard wired (LV) or battery operation
- Iirus-ready for integration with Prefect Iirus Central Control system
- Complies with EN50615
- Quick and easy installation and simple operation.

Performance, practicality and style!

Robust manufacture makes HobSensus tamper-proof, if sensors are covered for example, the hob will become inoperative. The hard-wearing fascia plate is easy to keep clean and ensures the units effectiveness in the most challenging environments. While the stylish design aesthetic will fit in with any kitchen surroundings.



Robust tamper-proof sealed casing

Moulded and sealed on/off button

LED standby/hob on/pre-alarm/ alarm/faults lights

Easy-clean fascia panel

Audible alert speaker

64 zone temperature sensor

HobSensus is the only device of this type to measure temperature at 64 points on the hob surface. This ensures accuracy and reduces installation/set-up time.

Integration

HobSensus is designed as a stand-alone device to monitor cooking spaces; prevent pan fires; and ensure hobs are not left on inadvertently. However, when integrated with Irus - Prefect's central control system - a range of additional features can be unlocked.



irus

Using Bluetooth, HobSensus communicates with the local room nodes which in turn feed data to the Irus portal.

Data transmitted via Irus includes;*

- Battery power level indication
- The amount of power (kWh) the hob is using
- A temperature trigger log (to identify serial mis-users of equipment)
- Presence detection
- Leak detection alerts
- Fire alarm trigger

Future development of the Irus system could see individual rooms in cluster flats being alerted if there is fire risk in their kitchen - or to helpfully let students know that their kitchen is free for use!

Four HobSensus scenarios

