HobSensus

PRE9279

Annual maintenance information

Prefect

Cleverly simple
control of energy.

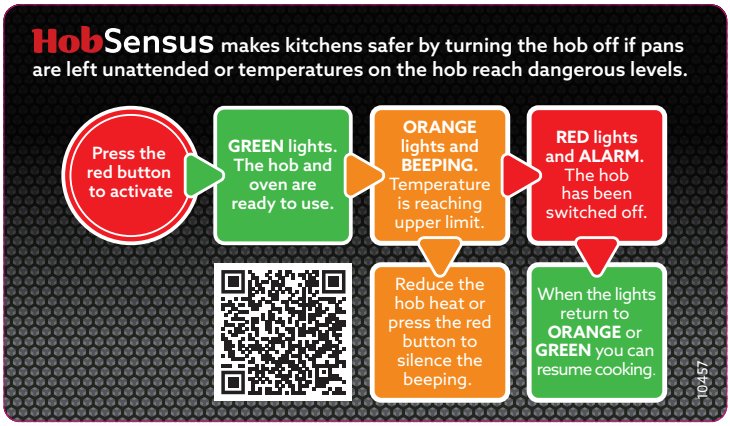
HobSensus

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.

When the hob is switched on, a cooking time of 30 minutes is activated, this is usually sufficient for most pan-based meals to be prepared. If more time is needed the red button can be pressed to reset the timer for a further 30 minutes.

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, and the alarm sounds.

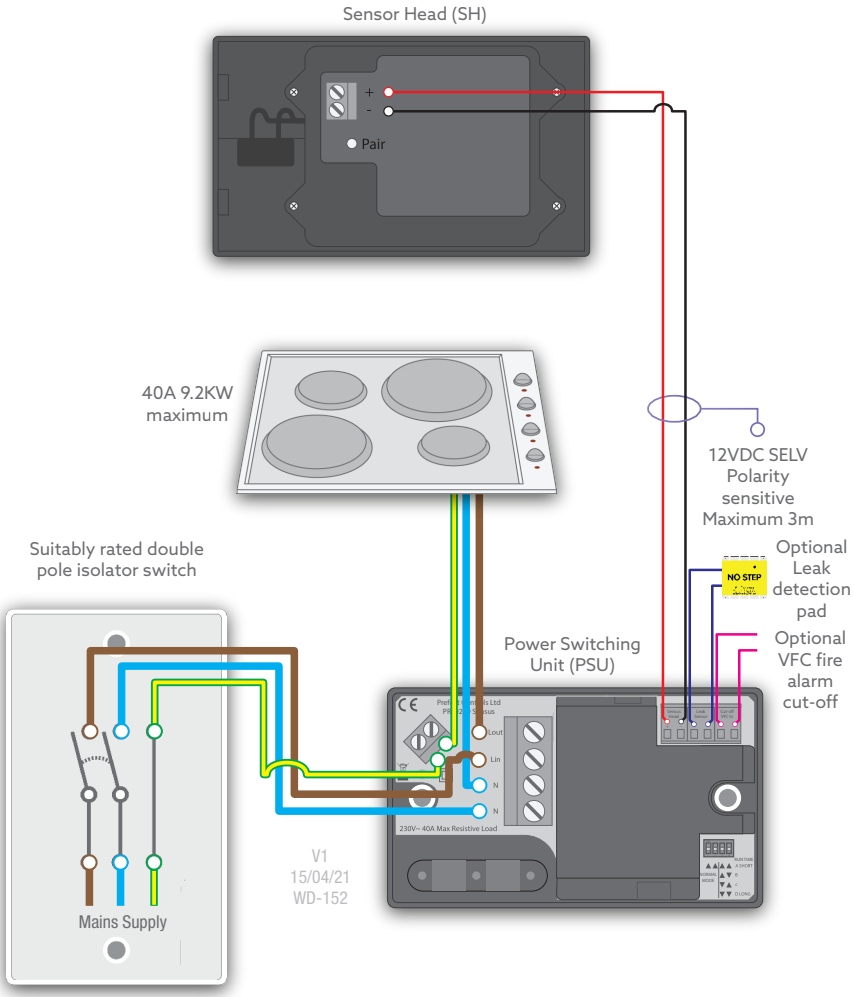


The HobSensus system comprises two parts.

The Sensor Head (PRE9279SH), which is mounted above the hob...

...and the Power Switching Unit (PRE9279PSU),
which is usually underneath the worktop below the hob.

How HobSensus is connected to the hob.



Care of the Sensor Head.

The robust manufacture of HobSensus components means little attention is needed to maintain its performance. However as the Sensor Head is placed in a hostile environment with regard to heat, steam, grease and oil, it is prudent to wipe the surface of the unit with a damp cloth from time to time. If using a mild detergent, use a minimal amount and apply to the cloth before cleaning the unit.

Initial inspection.

• Check the sensor head is still mounted securely to the wall and correctly positioned above the hob.

• Check the condition of the case for cracks or damage and ensure there are no signs of tampering.

• Check the front casing of the sensor head is securely locked to the mounting plate on the wall.

• Click the button to check it is still operating correctly.

• If you need to open the sensor head to change batteries for example, use the key provided.

• Wipe the sound hole and the lens, on the bottom of the unit, making sure they are free from grease and debris.

Function test.

The purpose of this test is to check the HobSensus system is working and that all audible and visual alerts are functioning correctly.

1 Without any pans on the hob, turn on the largest ring to full power output.

2 The lights around the button on the Sensor Head should flash **GREEN**.

4 Leave the power on, the lights should change colour again and flash **RED**. The audible BLEEP should intensify.

5 At this point the Power Switching Unit should cut the power to the hob.

3 As the temperature rises, the lights should change colour and flash **AMBER**. An audible BLEEP should be heard.

6 As the surface temperature of the hob reduces. The lights on the Sensor Head will revert to an **AMBER** flash.

Battery check.

If the Sensor Head is powered with batteries, the charge level can be checked when the unit is switched on.

1. 3 rapid flashes of **GREEN** when the unit is switched on indicates battery level is good.

2. 3 rapid flashes of **AMBER** when the unit is switched on indicates batteries need replacing.

LED indicator index - Sensor Head (SH)

Steady Amber	First power up - unit is initialising.
Flashing Amber for 1 minute	While in auto-on mode the unit will flash Amber for 1 minute while checking to see if the hob is in the off state.
Off	Standby mode.
3 Green flashes	Unit has been activated.
Green flash every 3 seconds	Unit is active and monitoring the hob. Temperatures are within safe limits.
Flash Amber every second	Pre-alarm state, cooking temperatures are approaching dangerous levels.
Flash Amber every 3 seconds	Button has been pressed during the pre-alarm state, the alarm has been silenced. Cooking temperatures are approaching dangerous levels.
Flash Red 3 times a second	Temperature at dangerous level, Hob power has been cut. Alarm sounding.
Flash Amber every second	The current time-run is about to expire.
Flashing Amber every 3 seconds for 3 minutes	Timer has expired, hob has been switched off, the unit is in cooling mode.

Indicator LEDs power switching unit (PSU)

Steady Green	PSU is powered.
Steady Red	Relay closed, power to hob active.
Flashing Red	Fault detected (see Sensor Head LEDs for fault identification).

Fault lights (when first powered on)

1 regular Red flash	Leak Sensor triggered.
2 regular Red flashes	Cut-off VFC input triggered.
3 regular Red flashes	Tamper Detected.
4 regular Red flashes	Communication fault between Sensor Head (SH) and Power Switching Unit (PSU).
5 regular Red flashes	Internal Fault detected.
6 regular Red flashes	Sensor not calibrated.

Pairing (Battery powered only)

The sensor head and PSU are paired at the factory and do not require paring.

When replacing either a sensor head or PSU the units will need to be paired.

Do not attempt to pair different sets of units at the same time in close proximity as the units may become cross connected.

To pair the units follow the below procedure:

- Switch off the mains supply to the PSU.
- Remove the sensor head batteries.
- Hold down the pair button inside the sensor head battery compartment, then whilel holding down the pair button insert the batteries, ensure the batteries are inserted the correct way round.
- Keep holding the pair button until the LEDs on the sensor head start flashing amber rapidly, once the LEDs are flashing rapidly amber the sensor head is in paring mode.
- Switch on the mains supply to the PSU.
- The units will pair automatically within 1 minute.
- Once pairing is successful the amber flashing will cease.
- If the amber LEDs continue to flash the pairing has failed.
- Repeat the above steps.
- Check the units are operating normally, see page 6 for product testing.

Maintenance record

Building	**Kitchen ID**	**Maintenance performed by.** Name	**Any isues?**	**Date**

Building	Kitchen ID	Maintenance performed by. Name	Any isues?	Date

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