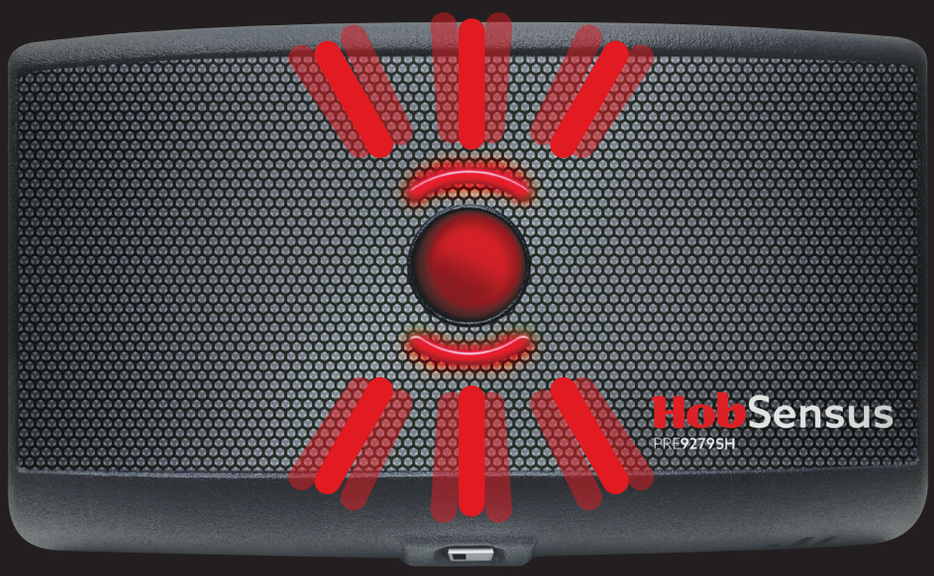
HobSensus
Making kitchens safer



What do the flashing lights represent?

Prefect
Cleverly simple
control of energy.

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Product LED indicator description

Sensor Head (PRE9279SH)

LED Indication	Meaning
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.

During normal operation

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 Cooking temperatures are approaching dangerous levels.	Button has been pressed during the pre-alarm state, the alarm has been silenced.
Flash Red 3 times a second	Temperature at cut-off level, Hob power has been cut. The red button has been pressed to silence the alarm.
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.

Lockout indication

Note: **Lockouts are indicated by the LEDs flashing in sequence. When hard-wired the LEDs will flash every 3 seconds. When battery powered the LEDs will only flash every 10 seconds to conserve battery life. Resolution of Lockouts can be found on the next page.**

Steady Red for 10 seconds	Lockout detected
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.

Power Switching Unit (PRE9279PSU)

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

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Resolving System Lockouts

A lockout will automatically clear when the lockout trigger is resolved. For example if a communication fault has triggered a lockout the hob power will be disconnected and the Sensor Head LEDs show steady read for 10 seconds then flash 3 times in quick succession periodically. When communication is restored the lockout will automatically clear and HobSensus will return to standby mode ready for use.

Note: Any troubleshooting steps in RED indicates the HobSensus unitsshould be safely isolated before completing the troubleshooting step.

1 Flash: **Leak Detection Sensor (LDS) triggered**	1. **Check the connected LDS pad is completely dry.** 2. **Inspect the LDS cabling for damage. Replace the entire unit if any damage is found.** 3. **Remove the LDS foam pad and ensure there are no foreign materials on the detection PCB or the foam pad.** 4. **Clean the detection pad PCB with a isopropyl alcohol wipe.** 5. **Check the unit is wired as per the wiring digram on page 13 or the wiring document.** 6. Ensure the connected leak pad is an approved Prefect Controls PRE2000LDS.
2 Flashes: **Cut-off VFC input open**	1. **If no VFC input is connected ensure the supplied link is fitted in the "Cut-off VFC in" terminals.** 2. Ensure the device connected to the VFC terminals utilises 0V normally closed contacts. 3. **Ensure the pluggable low voltage 6 way terminal is securely plugged in.** 4. Ensure the third party device is closing it's contacts when expected.
3 Flashes: **Tamper detected**	1. Check the Sensor Head is mounted in the correct position, see page 10/11 for details. 2. Check the Sensor Head has a clear unobstructed view of the hob cooking area. 3. Check the sensor window is clear and clean. 4. Check the sensor window has not been tampered with, or has been covered with a foreign material. 5. **Inspect both units for physical damage. Any damaged units must be kept safely isolated and replaced as soon as possible.** 6. **Check the connected loads, if a cooker, grill or extractor has been connected to HobSensus this will cause false triggers, a settings change is required in this case, see page 25 for details.** 7. **Check if the load is connected via a contactor. This will cause false triggers, a settings change is required in this case, see page 25 for details.**
4 Flashes: **Communication fault**	1. See page 38 for communication fault diagnosis. 2. Check the units are in range. 3. Check the units are correctly paired to their respective partners. 4. Check both the Sensor Head and Power Switching Unit are powered. 5. Ensure the Sensor Head batteries are 3.6V DC or above. See page 16 for details. 6. **Check the units are wired as per the wiring digram on page 13 or the wiring document.** 7. Check for obstructions between the Sensor Head and Power Switching Unit, wireless range will be reduced by any obstructions between the Sensor Head and Power Switching Unit.
5 Flashes: **Internal system fault**	The HobSensus units have detected an internal fault. Safely isolate and lock off the units immediately. Contact Prefect Controls for assistance.
6 Flashes: **Sensor calibration fault**	The HobSensus units have detected a sensor fault, safely isolate and lock off the units immediately. Contact Prefect Controls for assistance.