

What is Hush-Pro?

Hush-Pro is a Grade C domestic fire alarm system to BS 5839-6 2019, with its own mains power supply and rechargeable standby battery, for use in individual dwellings.

It provides detection, alarm, silencing and test facilities and has the ability, when connected to a landlord's system, to virtually eliminate false alarms outside the dwelling. It puts residents in control of their own fire alarm system by allowing them to test and silence it whilst standing at floor level. Any number of Hush-Pro systems can be easily interfaced to a landlord's system allowing secure centrally controlled evacuation signalling and more to help make Stay-Put safer.

Visual alarms, voice sounders, cooker shut-off relays, telecare interfaces, sprinkler flow switches and smoke vent controllers can be easily interfaced to the system. In addition, the emergency services can be provided with manual evacuation controls to centrally activate a dwelling's alarm devices, making Hush-Pro the perfect solution for high-rise residential buildings, HMOs and more.

When used to its full potential, Hush-Pro can report fires, faults and other system data to PCs, tablets and smartphones for action and analysis, and to demonstrate due diligence. It can even show events, such as the progress of a fire, in real-time on building plans on or off-site.

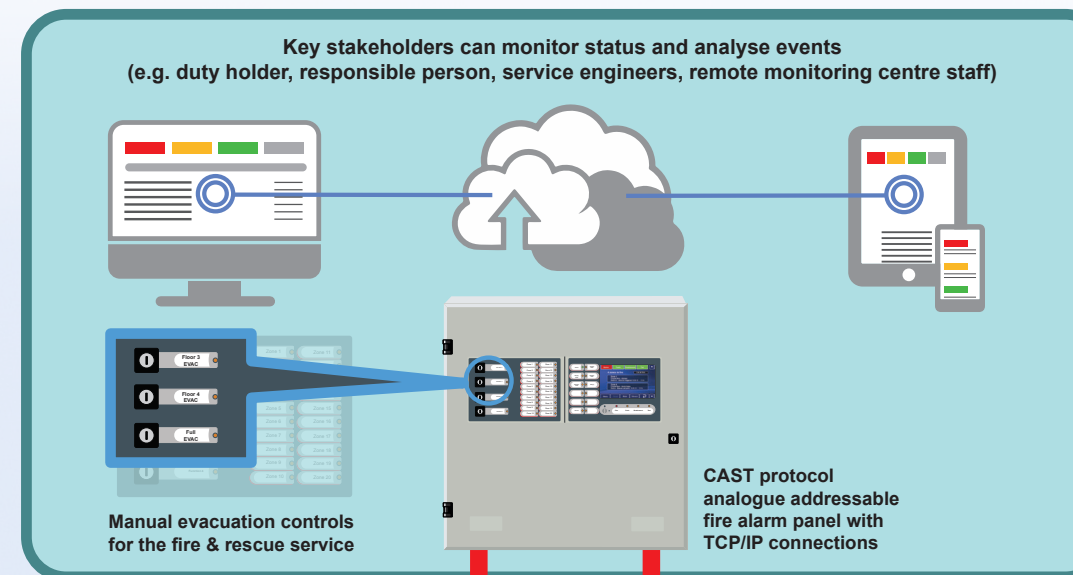
Fire Levels 1 & Fire Level 2 explained

One of the key advantages of Hush-Pro is its ability to differentiate between a Fire Level 1 (a likely false alarm) and a Fire Level 2 (a likely real alarm).

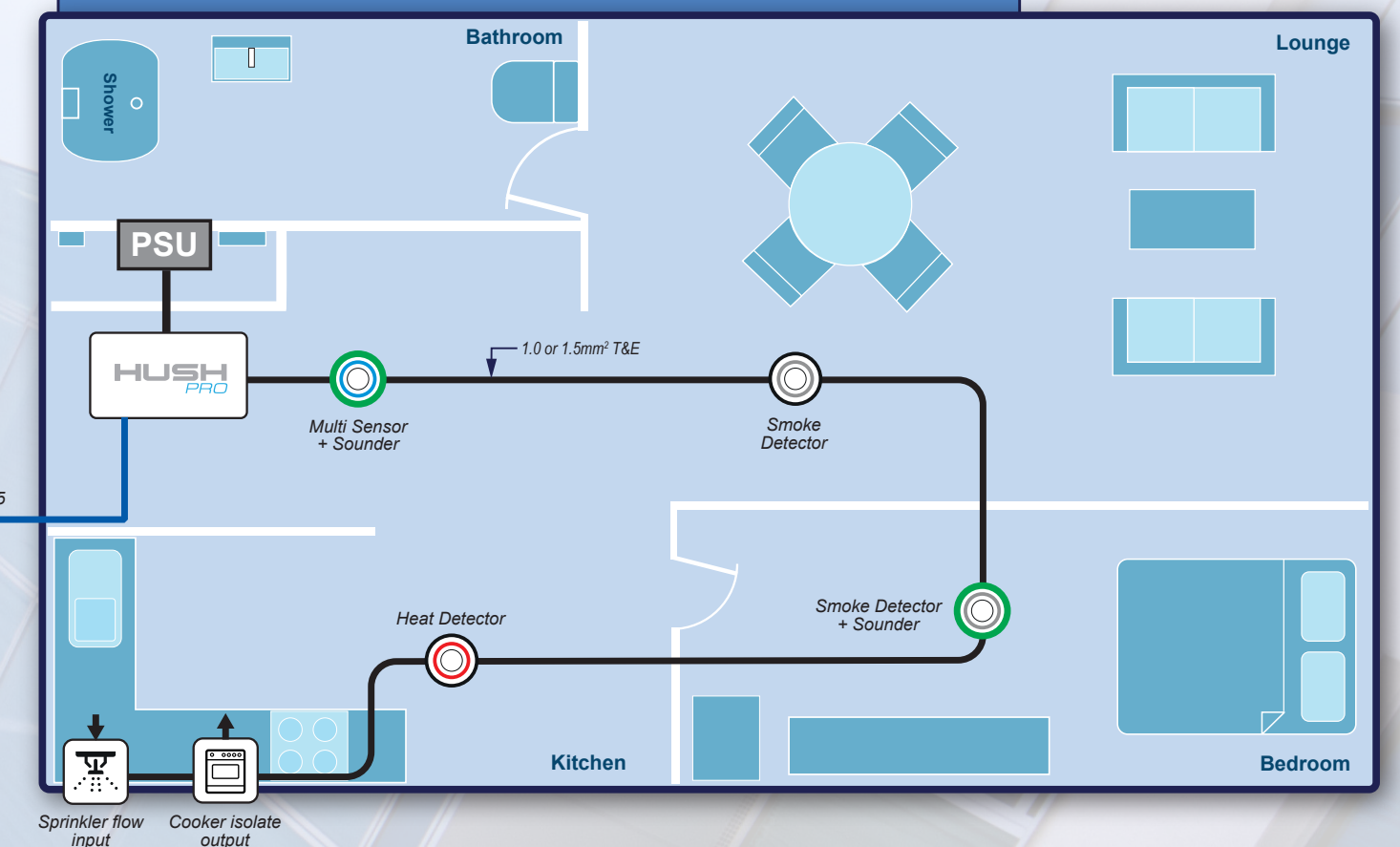
- Fire Level 1** is a domestic fire alarm condition that **is not** intended to activate or indicate outside the dwelling of origin (e.g. activation of smoke detector).
- Fire Level 2** is a domestic fire alarm condition that **is** intended to activate or indicate outside the dwelling of origin (e.g. a heat detector by an apartment's entrance door).

Optionally, a Fire Level 2 condition can be initiated by the coincidental activation of two detectors, the activation of a sprinkler flow control switch, the activation of a heat detector that has been in a Fire Level 1 condition for a prolonged period, or other criteria to suit the application. Uniquely, CAST multi sensors can separately signal a Fire Level 1 and a Fire Level 2 condition (e.g. optical trigger = Fire Level 1, heat trigger = Fire Level 2) adding even greater versatility to the system.

By differentiating between Fire Levels 1 and 2, Hush-Pro protects residents better, reduces false alarms and unnecessary call-outs, builds trust amongst occupants and helps make Stay-Put safer.

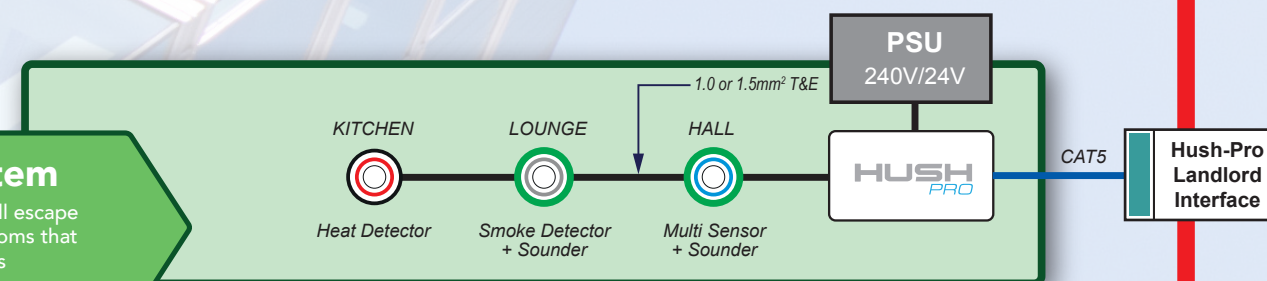


A Typical Grade C LD1/2 Hush-Pro system



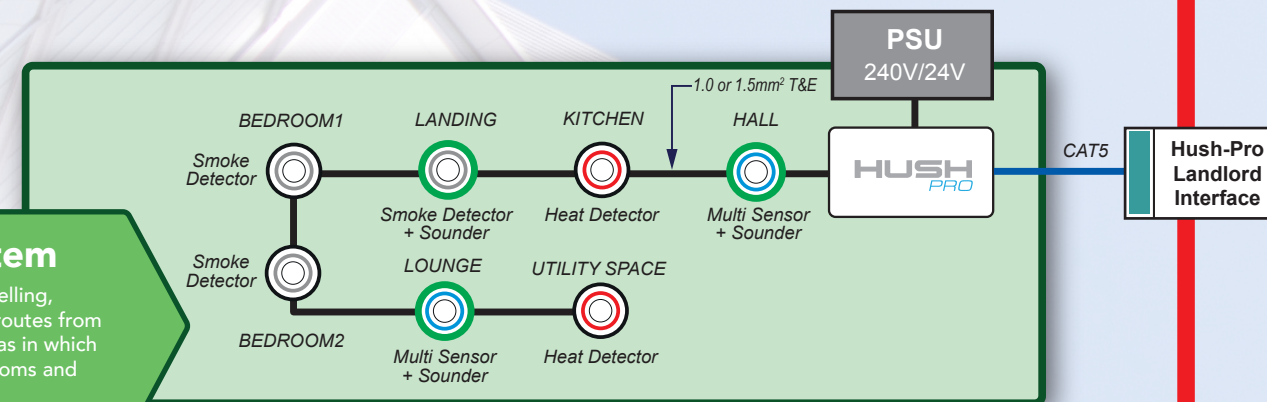
BS 5839-6 LD2 System

A system incorporating detectors in all escape routes from the dwelling, and in all rooms that present a high risk of fire to occupants



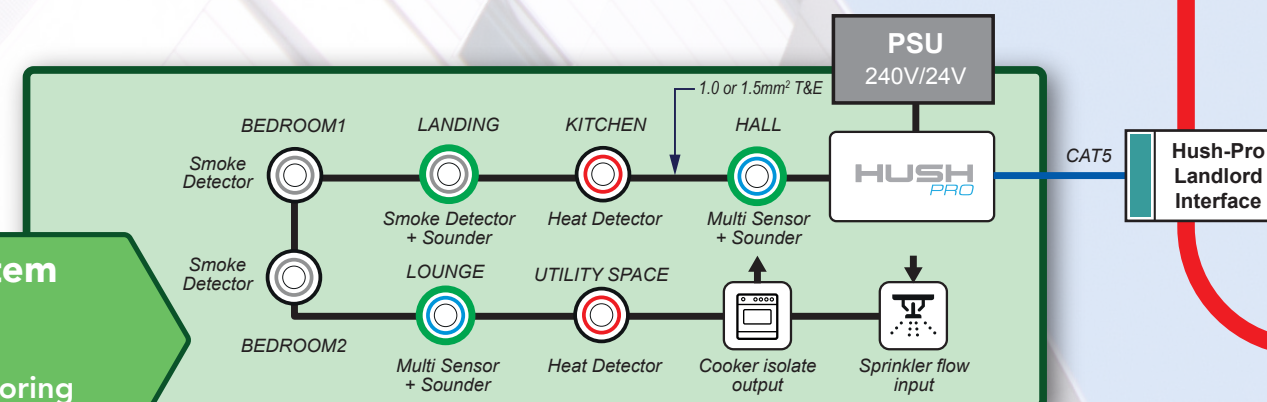
BS 5839-6 LD1 System

A system installed throughout the dwelling, incorporating detectors in all escape routes from the dwelling, and in all rooms and areas in which fire might start, except toilets, bathrooms and shower rooms



BS 5839-6 LD1 System with additional features

such as cooker shut-off and sprinkler flow monitoring



HUSH PRO

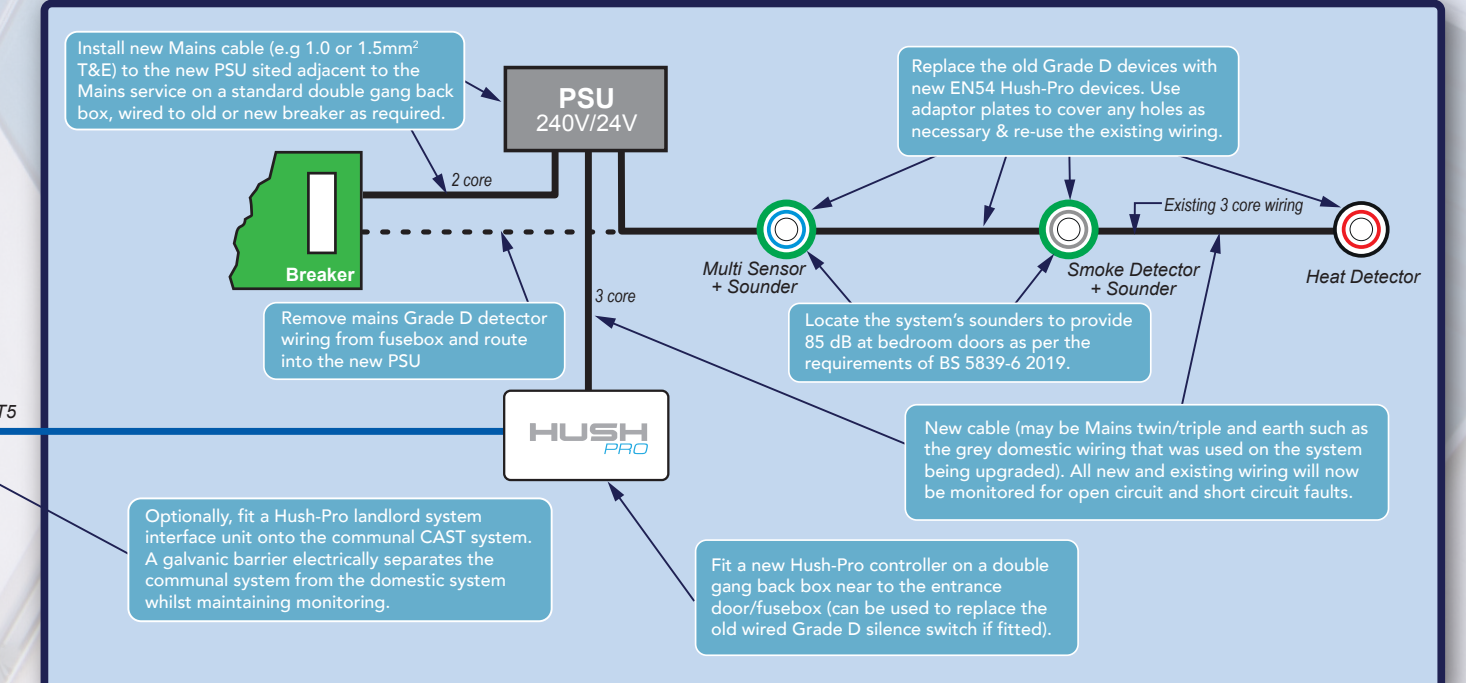
Each dwelling's Hush-Pro system is an independent analogue addressable self-programming fire alarm system with its own power and rechargeable Lithium-Ion battery.

Classified as a Grade C system according to BS 5839-6 2019 (the British Code of Practice for Domestic Fire Detection & Alarm Systems), the system utilises EN 54 certified detection and alarm devices.

Any number of Hush-Pro systems can be easily connected to a C-TEC 'CAST' landlord's analogue addressable system via opto-isolated interface units.

As all of the Domestic system's 'Hush-Pro' devices and all of the landlord system's 'CAST' devices are manufactured by C-TEC, integration of the two systems is very straightforward and provides many benefits over alternative solutions, where system integration can be both complex and costly.

How to upgrade an existing Grade D LD1/2 system to a Grade C LD1/2 Hush-Pro system



What is a BS5839-6 Grade C system?

A Grade C system to BS 5839-6 2019 is a higher grade system than the Grade D Mains/Battery fire alarms typically used in dwellings. A Grade C system can be used in all situations where a Grade D system is specified AND provides extra benefits and features including:-

- The monitoring of all wiring for open and short circuit faults
- The monitoring of individual devices for correct operation
- Typically less than 50% of the power consumption of a comparable Grade D system
- Reduced cost of ownership - typically only one Lithium-Ion battery needs changing per system every 10 years compared to a Grade D system where all devices have permanently fitted batteries and require complete device replacement every ten years

Communal/Landlord Fire Alarm System

Comprises smoke detectors, heat detectors, sounders and input-output units in the common parts of the building to interface with smoke vent control, lift shaft control, sprinkler flow-switches, fire damper control systems etc, where a Stay-Put strategy is in place.

For more information visit

www.c-tec.com

or email hush-pro@c-tec.co.uk