

FLAT EXAMPLE FEATURES

Fully Zoned and Automated Heating Temperatures in 7 zones independently controlled and automated with 24/7 set point profiles. Kitchen floor plinth heater additional feature. Automation based on room occupancy, outside conditions and house occupancy in general. Comprehensive access by smart phone/tablet. simple local controls such as temporary adjust up/down. Extensive data logging, visualisation, and tools to evaluate efficiency.

Note: Hot water control may be included if storage tank system is used (not provisioned here, but only small incremental cost)

Automated lighting in all rooms Lights in individual rooms (13 internal circuits in total) automated based on occupancy, room light level, time of day and several other factors with user overrides via wall buttons, remote control handsets (in rooms with DFPs) and by smart phone/tablet External lights (2 circuits) also under system control allowing deliberate or security based light operations.

Dimmable lighting circuits 7 dimmable lighting circuits. Same automation features as above but with addition of fade dynamics and setting dim levels either on direct user control, by schedule, based on sensed light levels, time of day, scene settings or any other feasible idea which the user might decide upon

Smoke detectors 2 smoke detector units permanently powered (12v) with internal battery backup connect into automation system. As such can generate alerts beyond the smoke detectors' internal sounder. Includes ability to flash lights or trigger other appliances and to send out SMS messages which include information from other sensors such as temperature readings in relevant areas

Over temperature detection Temperature sensors in all rooms can detect excessively high temperatures and generate alert triggers of different forms as appropriate and as available to the system (sound alerts, flashing lights, SMS etc)

Security Motion detectors in all rooms, door sensors on all doors, external sounder and strobe, arming and disarming via traditional keypad code (user defined number of digits), or by smart phone, or by other secured inputs to the system (not included)

Camera to rear with automated video and snapshot capture based on visual motion detect or on user input. Also automates exterior light.

Intruder detection alerts have access to system resources so aside from external sounder and strobe can send SMS alerts with pertinent data, flash lights, create internal sounds etc

Sounds transmitted to audio panel units on external opening/closing detection (user controllable option)

Credible lighting simulation patterns when house unoccupied. Can also include automated (simulated occupancy) TV/Audio system control, even to detail such as channel and volume variation. Automated – house detects lighting conditions and unoccupancy state to start simulation without need for manual intervention

Electricity metering	Electricity metering on each ring (5 of) via system allows logging of usage, visualisation via panel units or smart phone/tablet and notifications based on pertinent thresholds or anomalies e.g cooker on when house unoccupied
Extractor fans	Extractor fan in bathroom under system control - allows delayed automated operation, possibility of automation based on humidity rather than purely timed, allows disabling of extractor automation at night times to avoid noise
Audio functions	<p>Audible alerts in location of panel (DFP-H02) units. Includes both sounds and spoken information. Information content may be system based such as time of day, temperature data, heating adjustment menus and so on, or could be messages constructed by the users and delivered upon relevant trigger conditions, example delivering a scheduled reminder upon detection of room entry within a time frame. Can also read out e-mails sent to the system e-mail client</p> <p>Handsfree intercom capability between panel units within house. Ability to make and receive Skype calls via panels (with auto pickup for secured users)</p>
IR Control	Allows control of IR controlled appliances such as TV or HiFi In rooms containing DFP-H02 units. Also allows use of remote control handset to control user defined system functions, such as lighting, heating adjust etc (An IR handset can be more convenient for simple functions than having to login and navigate a phone app – but all options, including always on tablets, are possible in parallel)
Remote access	Comprehensive and fully integrated access to features and data via smart phone and tablet interfaces either within the home or from outside via an internet connection. Notifications from the system available via e-mails, SMS and potentially via phone (but no telephone interface included here)
Notice Board Feature	Data or messages can be cast to a tablet as a 'notice board' display for a wide variety of uses. E.g electricity metering display, reminder messages, appliance state messages, etc. Multiple notice boards possible each with different data
Data Logging and Analysis	Intensive data logging and storage (24/7/365). Visual analysis via graphing and textual formats. Energy efficiency analysis tool.

Note the above represents just a selection of features. Many others exist in this flat and can vary over time due to the immense flexibility and availability of resources