# SMS
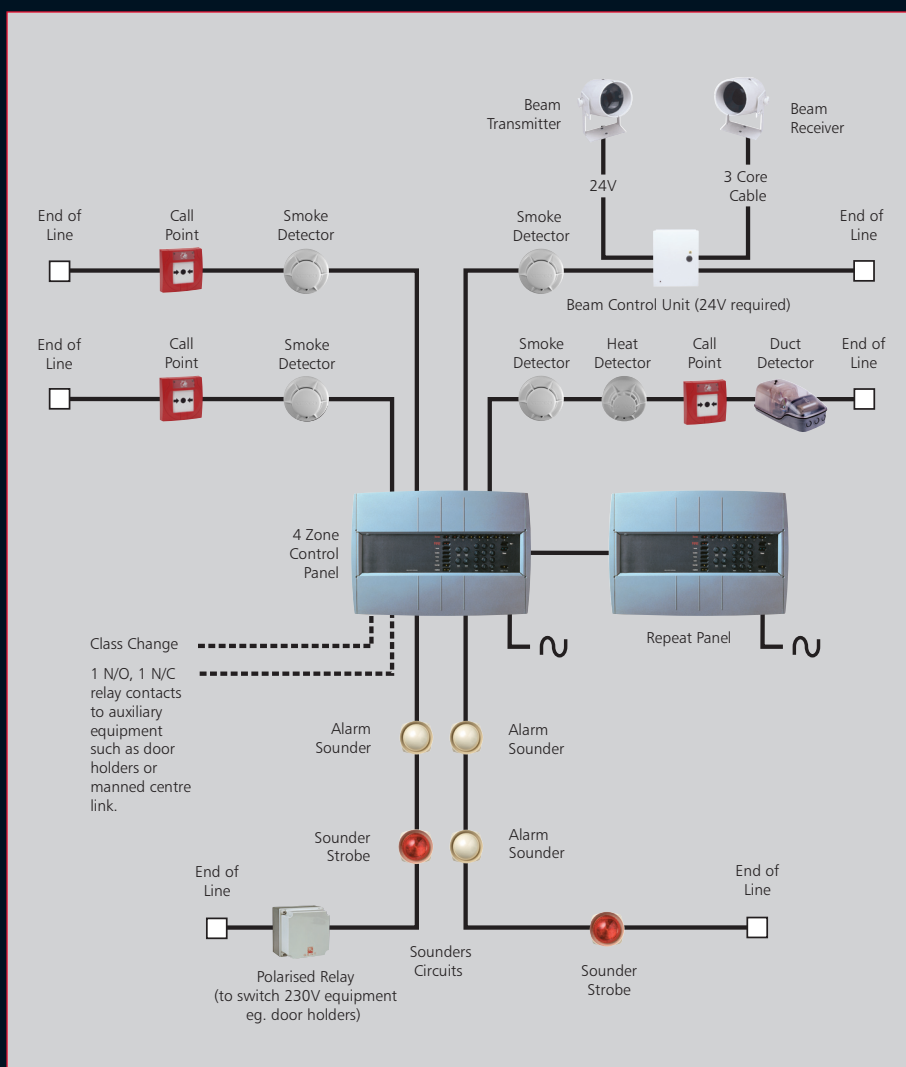


CONVENTIONAL

# FIRE DETECTION

# Systems

The SMS conventional range of products is designed to meet the requirements of large domestic and small commercial installations as well as provide the ability to upgrade or expand existing conventional systems.



Beam Transmitter
Beam Receiver

24V
3 Core Cable

End of Line
Call Point
Smoke Detector
Smoke Detector
End of Line

Beam Control Unit (24V required)

End of Line
Call Point
Smoke Detector
Smoke Detector
Heat Detector
Call Point
Duct Detector
End of Line

4 Zone Control Panel

Repeat Panel

Class Change

1 N/O, 1 N/C relay contacts to auxiliary equipment such as door holders or manned centre link.

Alarm Sounder
Alarm Sounder

Sounder Strobe
Alarm Sounder

End of Line
End of Line

Polarised Relay (to switch 230V equipment eg. door holders)
Sounders Circuits
Sounder Strobe

## Conventional Systems

- The FP585 conventional control panel is available in four versions from one to eight zones, with up to 8 separate sounder circuits.
- The 2020 Vision range of detectors has been designed using the latest available detection technology, delivering a sensitive but exceedingly stable detector.
- A repeater panel can be added to the system for buildings with more than one main entrance.
- Our comprehensive range of audio and visual devices covers a wide range options for all installation requirements. The range includes sounder beacons with pre-set alert and evacuate messages. These sounders also operate a bell tone.

# Control Panel

## The FP585 Conventional Control Panel

- Design complies with EN54 parts 2&4
- 1, 2, 4 and 8 zone versions are available
- Up to 8 sounder circuits can be connected to the control panel
- Semi-flush kit available
- Repeat Panel available
- Two auxiliary relay contacts for connection to third party equipment
- Zone disablement facility
- Single person test and commissioning

## Flexibility and false alarm protection

- The FP585 control panel has additional functionality over the basic requirements needed for compliance with EN54 parts 2 & 4. This allows unexpected scenarios to be covered by a standard panel solution.
- Day and Night mode can delay the activation of the sounder circuits for up to 10min (day mode) upon detection of a fire. This allows verification of an alarm trigger.
- False alarm rejection is an in built algorithm to guarantee that the system will reject spurious events, but will detect and annunciate real fires within 10 seconds.

## Ease of installation

- The FP585 can match up to 8 zones with 8 sounder circuits, dramatically reducing installation disruption by allowing both sounders and detectors to be connected from a four core cable.
- Both the FP585 control panel and repeater can be semi-flush fitted for installations where decor and aesthetics are important.

## Reliability and Compliance

- Our conventional control panels are designed in accordance with the requirements of EN54 Part 2:1997 and include the optional clauses 7.8, 7.11 & 10, plus the requirement of EN54 Part 4:1997.
- Our products are renowned for their reliability. Since its launch, FP585 has consistently performed above industry standards.

# Vision Detector Range

### Vision Detector Range

- Automatic drift compensation to reduce false alarms
- Improved chamber design to minimise the effect of dust contamination
- Optional hand-held laser test unit to enable testing from ground level, improving job productivity during installation and maintenance
- Ionisation-like reaction time to flaming fires without the associated environmental concerns of using a radioactive source
- EN54 part 5 and part 7 certified (CPD approved)
- 14 – 28 VDC operating voltage rate
- -30 to +70°C operating temperature range
- Standard and deep bases with or without Schottky Diode

### Advanced Design

Aesthetically engineered, Vision boasts features normally only found in more sophisticated and expensive analogue detectors. Easy to install and simple to use, it offers advanced levels of detection with the cost effectiveness of a conventional detector.

The combination of optical and heat detection provides a faster response to 'real fire' situations, while at the same time reducing the risk of unwanted alarms caused by environmental conditions.

### Cost Effective

A hand held Laser Test Tool can be used in conjunction with the range of Vision detectors for alarm test purposes. The unit transmits a coded message, preventing spurious alarms being generated by other laser-based devices. With a range of several metres, the hand held test unit provides an effortless way of remotely alarm testing the range of Vision detectors.

### Minimising False Alarms

The Vision optical smoke detector (2020P) has been specifically designed to be highly tolerant to dust, significantly reducing the potential for unwanted false alarms caused by settled dust affecting the detector's sensitivity. The Vision optical heat detector (2020PT) is a true multi-criteria unit for smoke and heat detection. It provides the same fast reaction to flaming fires as an ionisation detector without the environmental concerns of using a radioactive source.

# Beam Detectors

- For larger industrial sites such as warehouses or buildings with apex roofs where large areas need fire detection, beams are the perfect solution. We provide several different options to suit different installation designs. Transmitter and Receiver sets require connection at both ends where Reflective beams are connected to a zone at one end with a reflector aligned to bounce the beams signal back. Please consult the SMS pocket design and installation guide for spacing data.

# Duct Smoke Detectors

- Duct detectors as the name suggests are designed for use with air ducts. They are mounted outside the duct with two venture tubes fitted through to sample air from the duct and return it back. A sample of the air inside the duct is fed into the smoke detector and then returned to the duct via the second tube. When the smoke density in the sampled air reaches the trigger level of the smoke detector, an alarm is signalled at the fire control panel.

# Manual Call Points

- Our comprehensive range of call points covers all system design needs - surface or flush, glass or key operated.
- Backwards compatibility is also important when looking for the correct call point range. We manufacture call points with NO/ NC contacts for use with mains systems or for switching purposes.
- A polycarbonate cover is available for applications susceptible to inadvertent operation, such as sports halls or schools.
- Spare test keys for testing without breaking call point glasses and spare glasses are also readily available for all models.
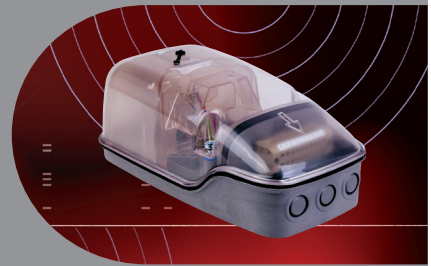
# Audio Visual and Voice Sounders
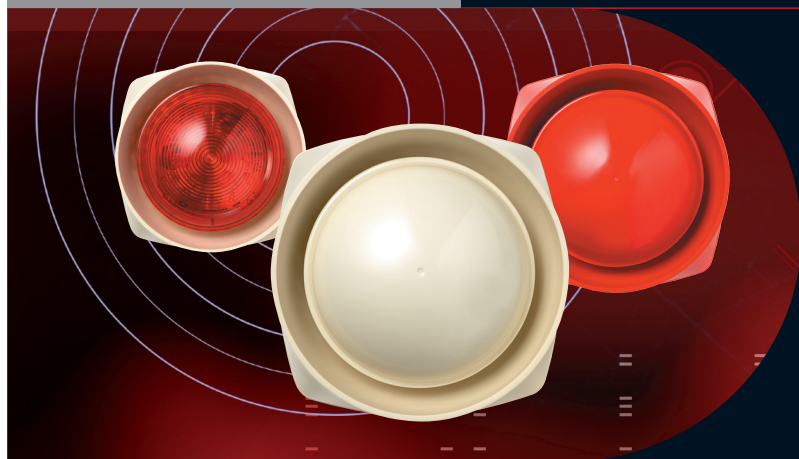
## Audio Visual and Voice Sounders

- Comprehensive range covering all conventional eventualities
- Voice variants of electronic sounder and sounder beacons for DDA compliance
- Ultra low current consumption device range
- Voice sounders include recorded bell tone perfect for class change
- IP65 sounders
- EN54 Part 3 compliant

## Flexibility of choice

- The importance of the correct audio visual (AV) devices in a fire system should not be underestimated. As well as being vital to complying with installation regulations, they are key to fast and effective evacuation in the case of fire. Our broad range of devices include application specific, high output and weather proof options to help meet legislation requirements.

## Combining your options

- Careful design and use of the correct AV device can reduce installation time and disruption for the end user. Combined sounder beacon and voice sounder beacons are just two examples of these multi function devices, where wiring to just one point can provide three AV functions.
- Low profile base sounders and base sounder strobes can be combined with smoke and heat detectors to further reduce installation time and disruption. The ability to run cables to one point and the potential for easy access through ceilings makes these devices and essential products for simplifying installations.

# SMS

SMS is a trading division of Gent by Honeywell, manufacturing a wide range of market leading products in the field of fire detection and alarm systems.

Operating for over 20 years, SMS works in partnership with selected independent fire specialist companies the length and breadth of the United Kingdom. The products included in this conventional fire detection and alarm brochure are available to over 150 companies across the UK working as partners to SMS. In doing so, SMS can offer customers a choice of service providers for the products shown within. A full list of SMS Distributors is available on request.

Products carry third party LPCB approvals and the manufacturing plant is accredited to ISO 9001:2000.

Honeywell is proud of its innovation in technology to deliver dependable fire equipment that can be relied upon to protect people and property. Honeywell is a $33 billon diversified technology and manufacturing leader serving customers worldwide with aerospace products and services; control technologies for buildings, homes and industry, automotive products turbochargers; and specialty materials.