





- System Sensor is the world's largest manufacturer of analogue addressable and conventional fire detection devices for commercial applications. As part of Honeywell – a \$26 billion diversified technology company employing 120,000 people in 95 countries around the world – we enjoy unparalleled support. This has enabled us to consolidate our position as worldwide leader for technology, manufacturing quality and, more importantly, total cost of ownership of fire detectors.

Our state-of-the-art manufacturing facilities in Trieste, Italy are complemented by a global network of fire systems integration and distribution partners, who serve end-users, consulting engineers and specifiers.

### *The total package through partnership*

By entering into partnerships with fire engineering, distribution companies and panel manufacturers, who share our commitment to quality, service and support, we make certain that our products are taken to market in the most effective, ethical and responsible manner. These partners have exclusive access to our products. This ensures that we can fully support their customers' businesses and provide end-users with the safeguards and guarantees that we believe are critical to a life-protecting system.

Our approach includes marketing, sales, technical support and back-up to those who will ultimately install, commission and maintain the system in the end-users' premises. Furthermore, we share all the best-practice knowledge that we've gained over the years with our partners to help their businesses stay ahead.

### *Bespoke branding*

Whether you want to sell our products under the System Sensor name or that of your own, you'll find us equally accommodating. Custom-built housings can be produced for our conventional and analogue addressable ranges, and dedicated communication protocols are available for the latter.



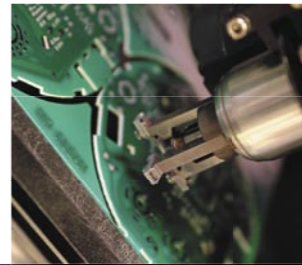
- We make certain that our products are taken to market in the most effective, ethical and responsible manner. And we share all the best-practice knowledge that we've gained over the years with our partners.

## *An integrated global network for truly local solutions*





• Our 10,000m<sup>2</sup> flagship European R&D and manufacturing facility in Trieste, Italy is ISO 9001 certified and accredited to ISO 14001 for its environmental management procedures.



## Pushing the boundaries of fire protection ever further

We pride ourselves on being first to recognise and harness new technologies to set new standards in fire detection and immunity to false alarms. We are also at the forefront of standards and work with the approval bodies across Europe to improve fire safety approvals.

We're continually developing new products that react to incipient fires more quickly, are more stable under real-world operating conditions, demonstrate greater immunity to false alarms and are easier and cheaper to install and commission. Examples include specialised products such as Filtrex, for use in dirty and dusty environments like flourmills and garages, and our laser optical detector for protecting computer rooms and other critical areas.

### Think globally, act locally

With manufacturing plants all over the World to service local markets, our global manufacturing practices are implemented locally to deliver best-in-class solutions to specific markets. Not only does this ensure that we satisfy the requirements of local approval, aesthetic and operational practices and electrical codes – it also means that we can draw upon best practice from entirely different continents and use this to streamline our whole operation, offering our customers best value.

### The world's best manufacturing facility

You can't make the world's best fire detection products without somewhere equally outstanding to research, create and produce them. Located in Trieste, Italy, is our 10,000m<sup>2</sup> flagship European R&D and manufacturing centre. Not only is this state-of-the-art, ISO 14001-certified facility critical to achieving such high manufacturing and quality standards, but it is also ISO 14001 accredited for its environmental management procedures. Quite simply, it's the biggest and best of its kind.

Manufacturing principles borrowed from automotive production lines help cut lead times and raise quality standards. And we undertake hundreds of product and process improvements every year. All this supports our partners by reducing working capital and the total cost of ownership and supply.

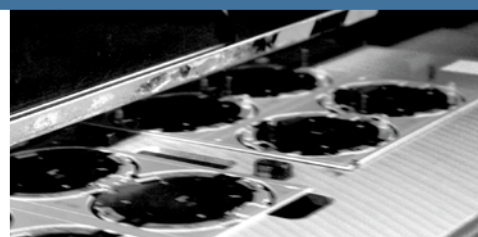
The final stage of the process involves meticulous testing. It's not enough in our line of business to have even one non-functioning detector leave the factory – our 100% testing guarantees that each and every product is in full working order. We also duplicate the test that the approval bodies use to certify our products to EN-54 in the factory. Life is precious to us – and our reputation equally so.

### Delivering great service as well as great products

As market leaders, we never lose sight of the reality that our very existence depends upon the satisfaction of our distribution partners and end-users. And we take every measure imaginable to ensure that our service matches the standards set by our products.

Initiatives such as Six Sigma Plus – based on the globally recognised Six Sigma approach of continuous process improvements to achieve error-free rates of 99.9997% – have been embraced by our whole organisation. Integrated with additional concepts such as Lean Enterprise, Activity Based Management and Honeywell Quality Value Assessment among others, helps us drive customer satisfaction upwards while driving the total cost of supply and ownership downwards.

Add to this unrivalled support from our backroom staff who, with the help of fully digitised pre and post-order systems, make sure that all products are approved by the relevant certification bodies before timely despatch – it's easy to see why we're still number one.



## Detection for all applications

System Sensor is the world's largest manufacturer of detectors, producing devices for every segment of the market. From the feature-rich analogue addressable Series 200 Plus family, to our conventional ECO 1000 range. All of our products are designed and manufactured to offer the best combination of performance, ease of installation and commissioning, build quality and user benefits for the application.

### Conventional detection

The conventional detector landscape changed beyond recognition with the launch of System Sensor's Series 300 and ECO 1000 families, which leveraged the sophisticated technology and advanced functionality of the analogue addressable detector into the conventional unit.

### Analogue detection

The most advanced detectors in our portfolio, analogue addressable units provide the ultimate protection for larger installations through their increased functionality and discriminatory abilities.

### Speciality detection

Not all environments offer normal conditions. Laser detectors, air conditioning duct detectors, infrared beam detectors for large-area protection, intrinsically safe detectors for use in hazardous areas and our Filtrex unit for dusty conditions are examples of our commitment to extending the scope of a fire detection system as widely as possible.

## Conventional



### Vision

- Automatic drift compensation to reduce false alarm
- Improved chamber design to minimise the effect of dust contamination
- Optional hand-held laser test unit to enable testing from ground level, improving your job productivity during installation and maintenance
- Standard and deep bases



### ECO 1000

- Extremely cost-competitive conventional product range
- Designed for rapid response and high immunity to false alarms
- Unique laser test unit facility
- Drift compensation



### Series 300

- Conventional detector range that can have an address
- Unique remote interrogation features including sensitivity settings, drift compensation and numeric addressing
- Halfway between true conventional and analogue



### Beam detector

- Automatic drift compensation
- 5-100m range
- Pulsed wide IR beam – stable & low power
- Easy alignment process – sight & display
- Drift/alignment compensation
- 6 sensitivity settings – 4 fixed, 2 auto-adjusting

## Analogue



### Series 200 plus

- 'Intelligent' point detectors
- Photo-electric, thermal and photo-thermal sensing
- Provides multiple thresholds to allow choice of operation to suit the application
- Drift compensation



### Beam detector

- Automatic drift compensation
- 5-100m range
- Pulsed wide IR beam – stable & low power
- Easy alignment process – sight & display
- Drift/alignment compensation
- 6 sensitivity settings – 4 fixed, 2 auto-adjusting



### Pinnacle laser detector

- The most sensitive point detector in the World
- Uses a laser instead of LEDs to sense smoke
- Superior early warning performance
- Nine sensitivity levels



### Aspiration detector

- Loop based or stand-alone aspiration based smoke detector
- Single and dual channel ASD and LASD variants
- High sensitivity aspiration detector with pinnacle laser detectors
- Three operating modes for mixed detection strategies - single detector, redundancy or "double-knock"

## Speciality



### Filtrex

- Designed for use in dusty environments
- Typical applications include flourmills, road tunnels and garages
- High-density filter removes particulate matter down to 32 microns



### Radio based detector

- Package includes a communication module, photo-thermal detector and manual call points
- Support for up to 2 zones
- Up to 99 radio detectors and 98 radio call points per loop
- Full integration with a Series 200 Plus wired system or stand-alone connectivity in a 100% radio solution
- Security and integrity of communications, automatic frequency channel-through-channel monitoring through 24 bi-directional channels, across 2 frequencies

