

The world's finest manufacturing facility

• System Sensor's European products are researched, designed and manufactured at our 10,000m² state-of-the-art facility in Trieste, Italy. Quite simply, it's the best of its kind. Advanced technology and manufacturing processes coupled with dedicated staff ensure precision manufacturing and incomparable quality control. And 100% testing ensures that nothing leaves our doors unless it's in perfect working order and capable of providing years of trouble-free protection.

We complement this unique offering with a global network of fire systems integration and distribution partners who serve end-users, consulting engineers and specifiers in more than forty countries. All share in our business expertise and, of course, our passion for perfection.

European Manufacturing Centre

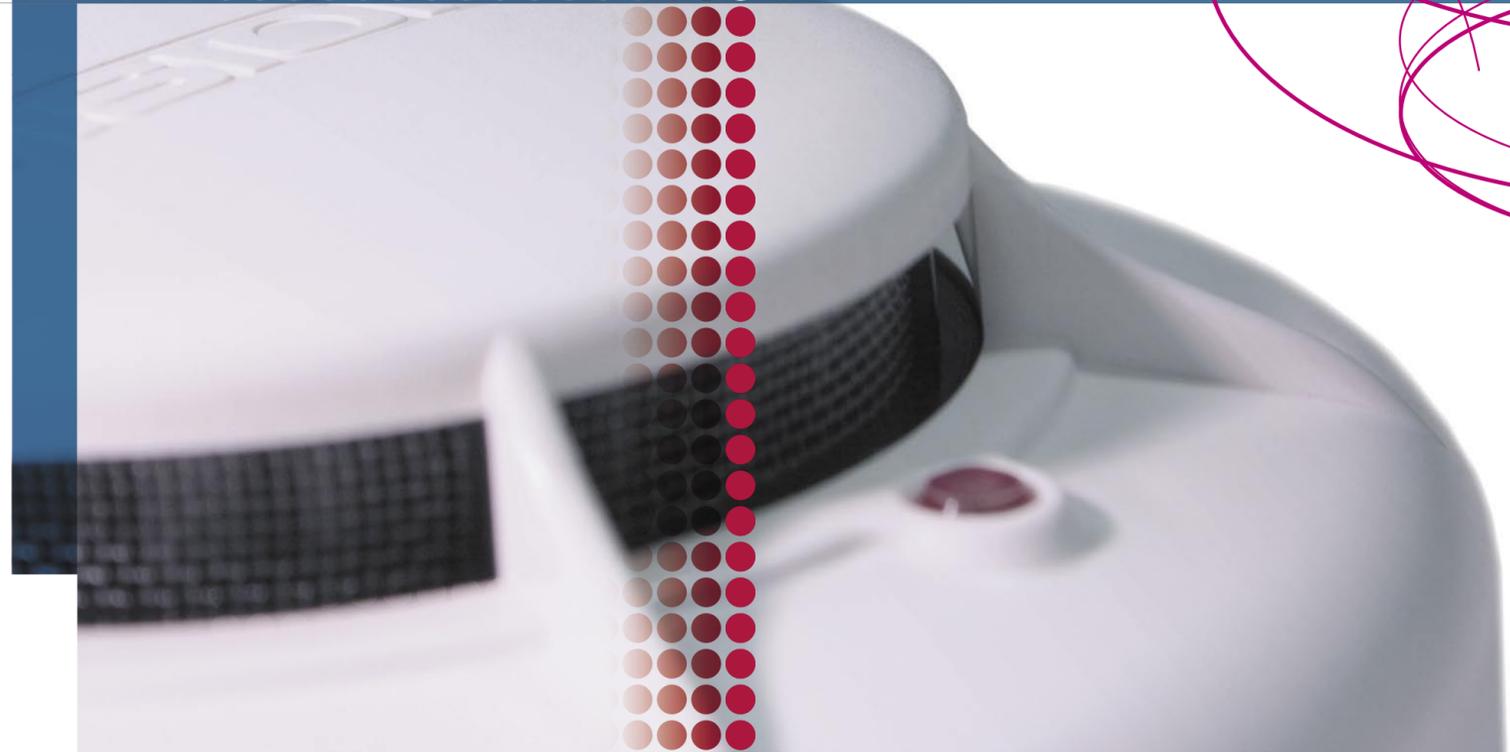
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Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.

Vision



*Conventional detectors are
no longer a compromise option.*

The visionary position

Life is simply too precious to compromise. Which is why Custom Sensor – the world's largest manufacturer of conventional fire detectors – has utilised its immeasurable experience and advanced technical ability to develop the uncompromising Vision range.

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.

It's an uncompromising position that is taken, paramount to life and property preservation.

Making life easier

Easy to install, commission and test, the Vision family is, quite simply, the unsung hero in any small to medium sized installation. Silently protecting and dutifully detecting day in day out.

The Vision photoelectric 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 photo-thermal 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.

The Vision thermal detectors are available as fixed 58C (2020F) and 78C (2020HF) units and as rate of rise devices (2020R). The fixed operating point units are suitable for use in areas where rapid changes of temperature can normally be expected; the rate of rise units are for use in areas where the temperature will normally be relatively stable.

Optional with the Vision family is a hand-held laser test unit, ideal for routine testing. Hand-held, one touch, activated with a modulated laser beam directed to the detector's LED; the unit responds to the command and latches into alarm.

The Vision family

Our range consists of a combined photo-thermal smoke and heat detector (2020PT), photo-electric smoke detector (2020P) and fixed and rate of rise thermal detectors (2020F, 2020HF & 2020R) all fitting common standard or deep bases. Independently tested and certified to the latest European Standard, EN54 part 5, part 7 2000, Vision gives specifiers, fire and security installers and end users complete peace of mind with unparalleled levels of protection.



2020PT
Photo-thermal detector



2020P
Photo-electric detector



2020F 58°C / 2020HF 78°C
Fixed temperature detectors



2020R
Rate of rise temperature detector

Operating voltage:	14V - 28V dc	14V - 28V dc	14V - 28V dc	14V - 28V dc
Typical stand-by current @ 25°C:	60uA at 24V dc	45uA at 24V dc	5uA/60uA at 24V dc	55uA at 24V dc
Maximum alarm current:	70mA at 28V dc	70mA at 28V dc	70mA at 28V dc	70mA at 28V dc
Operating temperature range:	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Thermal element trigger point:	+58°C	N/A	+58°C/+78°C	Rapid Change or +58°C
Maximum humidity:	95%RH	95%RH	95%RH	95%RH
Colour finish:	Approximates to RAL9016	Approximates to RAL9016	Approximates to RAL9016	Approximates to RAL9016
Case material:	ABS	ABS	ABS	ABS
Compatible bases:		2020B/2020BSD/2020DB/2020BSD		
Diameter:	102mm	102mm	102mm	102mm
Detector height (including base):	50mm	42mm	50mm	50mm
Weight:	78g	75g	70g	70g
Weight (including base):	123g	120g	115g	115g
Max wire gauge for terminals:	1.5mm ²	1.5mm ²	1.5mm ²	1.5mm ²



Conventional wisdom. Uncompromising features

- 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 your 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