

- Voice Enhanced 'Talking' Sounder with Selectable Messages
- High Intensity LED Beacon
- Electronic Sounder
- Multi Criteria High Performance Optical Smoke, Heat and CO Sensor
- Dual Technology High Performance Optical Smoke and Heat Sensor
- Optical Smoke Sensor
- Heat Sensor
- Protec Algo-Tec™ 6000PLUS Protocol
- Devices Display Address Number
- FAST™ Addressing
- Reduced False Alarms



The Protec Algo-Tec™ 6000PLUS sensor range have been developed to incorporate advanced fire sensing technology, electronic sounders, high intensity LED warning beacons and speech enhanced talking sounder capability, all integrated within the sensor head and powered from the loop.

Sensors - The Protec Algo-Tec™ 6000PLUS interactive fire sensors form a range of elegantly designed, aesthetic, low profile detectors that blend unobtrusively into modern working environments. All sensors are interchangeable with a common mounting base. All sensors incorporate a discrete anti-tamper security screw and latching 'FIRE' LED indicator with the facility to activate a remote indicator unit.

The Protec Algo-Tec™ 6000PLUS intelligent fire sensors utilise advanced discriminating algorithms for maximum reliability and immunity to false alarms. The Protec Algo-Tec™ 6000PLUS sensors learn from their environment, applying interactive decision making algorithms to provide stability, threshold compensation and optimised performance.

The sensor range includes heat, optical smoke, dual technology high performance optical smoke and heat, and multi criteria

high performance dual optical smoke, heat and carbon monoxide multi-sensors.

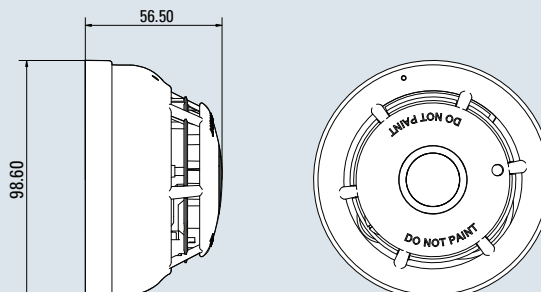
Sensor Talking Sounder Beacon - For the ultimate method of alerting building occupants of the incidence of an emergency, the Protec Algo-Tec™ 6000PLUS sensor can be equipped with an integrated voice enhanced sounder. The talking sounder is capable of delivering synchronised alert and evacuate messages around a building, removing any ambiguity, particularly for anyone unfamiliar with the building alert and evacuation strategy, enabling a more prompt and safe building evacuation. When combined with the LED beacons and multi-sensor fire detection technology, we are able to provide the ultimate and most innovative fire detection PLUS alarm system for buildings.

Sensor Beacon - Compliance with DDA legislation can be assisted by the addition of the Protec high intensity LED beacon to the 6000PLUS sensor, to warn those with hearing impairments or in noisy environments. The beacon utilises a high intensity LED with lower power consumption and increased reliability when compared to alternative indicators. The beacon is located in the centre of the sensor so can be viewed from all angles.

Technical Specification

Sensor Sounder - The above Protec Algo-Tec™ 6000PLUS sensors can also be equipped with an integrated loop powered electronic sounder with three programmable sounder tone options, constant, pulse or warble selectable by the control panel along with adjustable volume control. A loop short circuit isolator is also incorporated within the head. The sensor sounder tones are compatible with the full range of Protec 6000 electronic sounders.

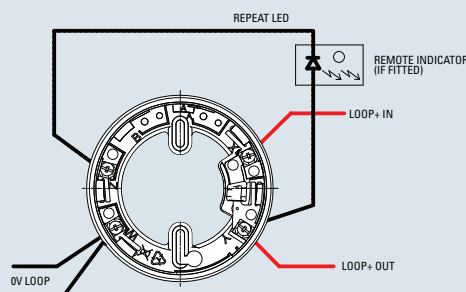
Dimensions (mm)



Note - the below Technical Specification applies to all sensors:

Loop Voltage	18 to 28V
IP Rating	IP41
Environmental	-10°C to +50°C (95% RH non condensing)
Standards	CE Marked

Typical Wiring using 6000PLUS/BASE



Technical Specification for each sensor variant

Code	Description	Quiescent (mA)	Alarm (mA)	Isolator	Sounder Volume dB(A)@1m	Standards (EN54)	Weight (g)
6000PLUS/HT	Heat Sensor	0.2	2	N		Part 5	90
6000PLUS/HT/S	Heat Sensor c/w Sounder	0.4	5	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 17	105
6000PLUS/HT/SL	Heat Sensor c/w Sounder and LED Beacon	0.4	10	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 17, 25 (draft)	105
6000PLUS/HT/TSL	Heat Sensor c/w Talking Sounder and LED Beacon	0.4	13	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 17, 25 (draft)	105
6000PLUS/OP	Optical Smoke Sensor	0.2	2	N		Part 7	90
6000PLUS/OP/S	Optical Smoke Sensor c/w Sounder	0.4	5	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 7, 17	105
6000PLUS/OPHT	Optical Heat Sensor	0.2	2	N		Part 5, 7	90
6000PLUS/OPHT/S	Optical Heat Sensor c/w Sounder	0.4	5	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 7, 17	105
6000PLUS/OPHT/L	Optical Heat Sensor c/w LED Beacon	0.4	5	Y		Part 5, 7, 17, 25 (draft)	105
6000PLUS/OPHT/SL	Optical Heat Sensor c/w Sounder and LED Beacon	0.4	10	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 7, 17, 25 (draft)	105
6000PLUS/OPHT/TS	Optical Heat Sensor c/w Talking Sounder	0.4	8	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 7, 17	105
6000PLUS/OPHT/TSL	Optical Heat Sensor c/w Talking Sounder and LED Beacon	0.4	13	Y		Part 3, 5, 7, 17, 25 (draft)	105
6000PLUS/OPHTCO	Optical Heat CO Sensor	0.45	2.3	Y		Part 5, 7, 17	105
6000PLUS/OPHTCO/S	Optical Heat CO Sensor c/w Sounder	0.45	5	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 7, 17	105
6000PLUS/OPHTCO/L	Optical Heat CO Sensor c/w LED Beacon	0.45	5	Y		Part 5, 7, 17, 25 (draft)	105
6000PLUS/OPHTCO/SL	Optical Heat CO Sensor c/w Sounder and LED Beacon	0.45	10	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 7, 17, 25 (draft)	105
6000PLUS/OPHTCO/TSL	Optical Heat CO Sensor c/w Talking Sounder and LED Beacon	0.45	13	Y	85 (High), 75 (Mid), 65 (Low)	Part 3, 5, 7, 17, 25 (draft)	105

BASE Options:

6000PLUS/BASE

- Low profile common mounting base

6000PLUS/FFBASE

- Fast fixing semi recessed base

Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

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