

## 6KPXXX/OPHT/TS - Optical Smoke and Heat Sensor Plus Talking Sounder

- Dual Technology Sensor
- Combined Smoke and Heat Sensor
- Ideal Multi-Application Sensor
- Integrated Voice Enhanced Sounder
- Seven Selectable Voice Messages
- Loop Powered
- Low Current
- Programmable Volume Control
- Integral Short Circuit Isolator
- Devices Display Address Number
- FAST™ Addressing
- Reduced False Alarms
- AS 1670 or NZS4512 Compliant



The Protec Algo-Tec™ 6000PLUS sensor range has 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.

**6KPXXX/OPHT/TS** Interactive addressable high performance optical smoke and heat multi-sensor.

The dual technology multi-criteria fire detector uses detection of smoke by scattering of infra-red within the optical chamber coupled with thermal enhancement of the optical sensitivity, as well as providing temperature detection equivalent to grade A2. The smoke and heat channels can be controlled independently for day/night operation with intelligent data being evaluated by the Protec Algo-Tec™ 6000PLUS interactive programmable algorithms.

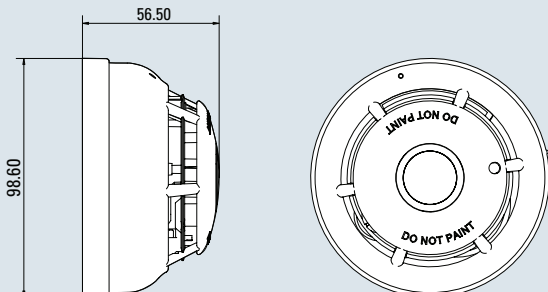
These sensors react across the range of fire products from large visible particles from smouldering fires to open flaming fires producing very hot smaller particles and are therefore suitable for use in all smoke detection applications. The environmental conditioning algorithms can be selected to filter unwanted alarms and enhance performance.

**Sensor Talking Sounder** - For the ultimate method of alerting building occupants of the incidence of an emergency, the Protec Algo-Tec™ 6000PLUS sensor is 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.

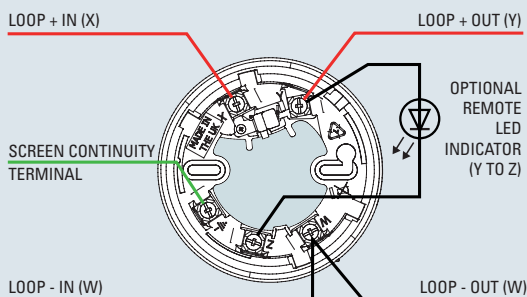
# Technical Specification



## Dimensions (mm)



## Typical Wiring using 6000PLUS/BASE



## Technical Specification:

Environment	-10°C to +50°C (95% R.H. non condensing)
Ingress Protection	IP41
Weight (excluding base)	105g
Loop Powered	Yes
Loop Standby Load	0.4mA
Loop Alarm Load	8.4mA (10.4mA with Bell Sound)
Loop Voltage	18 - 28V
Isolator	Yes
Sounder Volume	85dB(A) (High), 75dB(A) (Mid), 65dB(A) (Low) <i>(measured at one metre)</i>
Device Protocol	Algo-Tec™ 6000PLUS
Relevant Standard	AS7240 Part 15 (5&7)

## Talking Sounder Message Set

Please refer to MED2033 Talking Sounder Table

### Order Codes

6KPAUS/OPHT/TS - Australian Version  
6KPNZ/OPHT/TS - New Zealand Version

## BASE Options:

- 6000PLUS/BASE**  
- Low profile common mounting base
- 6000PLUS/FFBASE**  
- Fast fixing semi recessed base

Note - base options above are included in the product approval.



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

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