![Protec logo]

Protec Fire Detection plc

6000*PLUS*/HT/S - Heat Sensor Plus Sounder

- **Ideal where Smoke Detection is Unsuitable**

- **Fast Response Thermistor**

- **Integrated Electronic Sounder**

- **Loop Powered**

- **Low Current**

- **Programmable Volume Control**

- **Integral Short Circuit Isolator**

- **Sounder Tone Selectable at Control Panel**

- **Protec Algo-Tec™ 6000*PLUS* Protocol**

- **Devices Display Address Number**

- **FAST™ Addressing**

The Protec Algo-Tec™ 6000*PLUS* 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.

6000*PLUS*/HT/S
Interactive addressable heat sensor with low thermal mass thermistor, giving fast response to temperature increases.
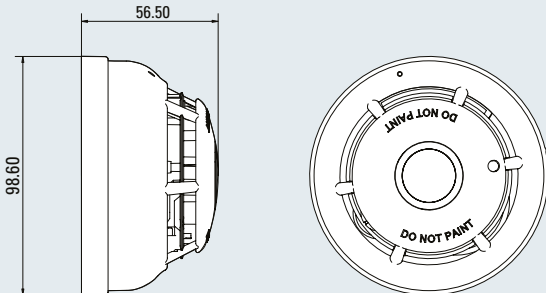
The intelligent sensor data is evaluated by the Protec Algo-Tec™ 6000*PLUS* interactive programmable algorithms. Suitable for applications where smoke detection is unsuitable but require a high sensitivity heat detector. Examples are boiler rooms, kitchens, laundries and ventilated areas.
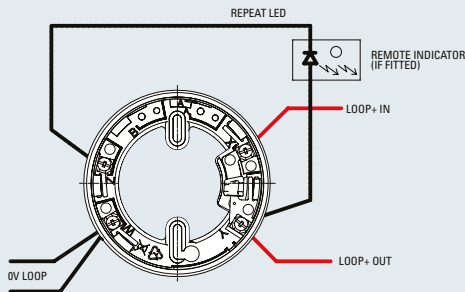
Sensor Sounder - The Protec Algo-Tec™ 6000*PLUS*/HT/S sensor is equipped with an integrated loop powered electronic sounder with three programmable sounder tone options, constant, pulse or warble selectable by the control panel along with adjustable volume control. A loop short circuit isolator is also incorporated within the head. The sensor sounder tones are compatible with the full range of Protec 6000 electronic sounders.

ADDRESSING SAFETY SYSTEMS WITH INTELLIGENCE

Fire Detection - Addressable

6000*PLUS*/HT/S - Technical Specification

Dimensions (mm)

56.50
98.60

Typical Wiring using 6000*PLUS*/BASE

REPEAT LED
REMOTE INDICATOR (IF FITTED)
LOOP+ IN
LOOP+ OUT
0V LOOP

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	5.4mA
Loop Voltage	18 - 28V
Isolator	Yes
Sounder Volume	85dB(A) (High), 75dB(A) (Mid), 65dB(A) (Low) *(measured at one metre)*
Device Protocol	Algo-Tec™ 6000*PLUS*
Product Approval	LPCB Certificate No: 201aa/01 EC Certificate No: 0832-CPD-1182 Relevant Standard: EN 54-3, 5 & 17, CE Marked

FAST™ Addressing
FAST™ (Firmware Addressed Secure Technology). Each Algo-Tec™ 6000 device is manufactured with a unique serial number factory programmed (firmware embedded) and device label. The label includes the serial number on two bar-coded segments, two of which are removable by the installer (one is a spare). The label is attached to an address location booklet, which is handed to the engineer prior to commissioning. During commissioning the engineer scans the address location booklet to download the loop, address and serial number details. The downloaded data is then checked and stored within the secure non-volatile memory of the control panel and the addressing is complete. FAST™ and easy eliminating troublesome and time consuming setting of address cards and DIL switches. FAST™ addressing is more secure than 'SOFT ADDRESSING' and easier to extend or amend, allowing greater flexibility and reduced costs.

RVAV™
RVAV™ (Remote Visual Address Verification). Once the system has been FAST™ addressed the correct location of each Algo-Tec™ device can be easily identified, using the device's in-built LED to indicate the device address number. The LED has a simple coded pulse, making it quick and easy to count. Because the control panel sends the RVAV™ signal to each device, the RVAV™ walk test is confirming that the devices are correctly addressed and correctly communicating. As-fitted Drawings and device labels can also be checked during RVAV™ walk test, without the disruption of activating devices commonly associated with other types of system.

BASE Options:

6000*PLUS*/BASE
- Low profile common mounting base

6000*PLUS*/FFBASE
- Fast fixing semi recessed base

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

LPCB ref. no. 201aa/01

Protec Fire Detection plc