

- Dual Technology Sensor
- Combined Carbon Monoxide and Heat Sensors
- Ideal for Early Detection of Smouldering Fires
- Resistant to Many False Alarm Sources
- Fast Response Thermister
- Protec Algo-Tec™ 6000 Protocol
- Devices Display Address Number
- Easy To Address
- FAST™ Addressing
- Reduced False Alarms



The Protec Algo-Tec™ 6000 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 variety of base options, including isolator bases, high efficiency sounder bases and combined sounder beacon bases. All sensors incorporate a discreet anti-tamper security screw and latching 'FIRE' LED indicator with the facility to activate a remote indicator unit.

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

6000/HTCO Interactive Addressable High Performance Heat and Carbon Monoxide Multi-Sensor.

A major enhancement to single channel carbon monoxide fire detectors. Generally these have limited fire detection performance in free burning fires. The 6000/HTCO helps overcome this problem with the addition of thermal enhancement to the CO channel, dramatically improving the detection performance, when compared to a single CO channel detector.

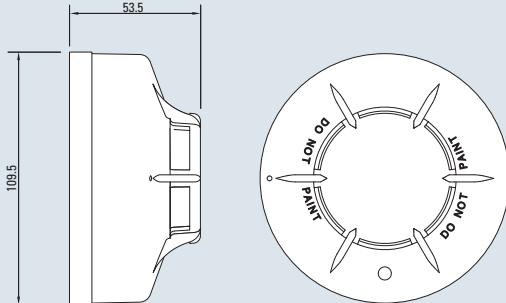
Also the heat channel provides detection to grade A2 independently to ensure that no matter the type of fire, the detector has the ability to detect with all the false alarm rejection that a CO detector has.

The 6000/HTCO detector typically rejects false alarm sources such as steam, dust and low levels of ambient smoke.

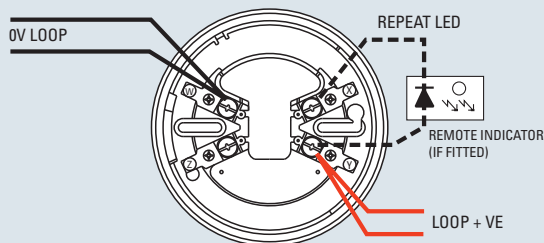
It is particularly efficient in detecting the early stages of fire at the smouldering stage and deep seated low thermal fire.

6000/HTCO Technical Specification

Dimensions



Typical Wiring using 6000/BASE



Technical Specification:

Environment	- 10°C to 50°C
Ingress Protection	95% R.H. non condensing IP41
Applicable Standard	EN54 Part 5 : 2000 LPS1275-1.0
Weight	178g
Loop Powered	Yes
Loop Standby Load	350µA
Loop Alarm Load	2.62mA
Device Protocol	Algo-Tec™ 6000

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 2 bar-coded segments, 2 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 devices 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 manufactures of system.

BASE Options:

6000/BASE

Low profile common mounting base

6000/ASB2

Addressable loop powered electronic sounder base

6000/ASBEA2

Addressable loop powered electronic sounder beacon base

6000/DIB

Dual loop short circuit isolator base

6000/SB

24V DC Electronic sounder base

6000/SBEA

24V DC Electronic sounder beacon base

