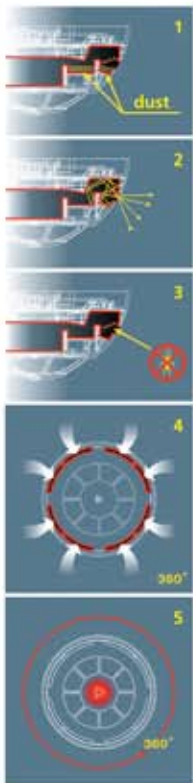


Aurora

Conventional fire detectors range



The Aurora range of conventional fire detectors has been developed to satisfy the demands of the installer, specifier and owner.

ROBUST AND RELIABLE

Patented design

- Double Dust Trap: double protection from the detection chamber's dust contamination (1);
- Light Baffle: protection from ambient Light (2);
- Continuous Screen with precisely calculated apertures: reliable protection from small insects (3);
- Symmetrical Detection Chamber: optimal smoke sensitivity from all directions (4).

Algorithm

- Adaptive signal processing: elimination of false alarms;
- Light compensation: compensation of ambient light;
- Temperature compensation: operation in low and high temperature intervals
- Simultaneous analysis of the optical and thermo channels: the advantages of the smoke and thermal detectors are combined.

EASY TO INSTALL, EASY TO USE

Design

- A LED indicator provides a 360 degrees cone of vision eliminating orientation problems (5). An indicator can be easily observed from all sides at any angle. A remote indicator can additionally be connected.
- Mounting base with central placement of contact points: convenient mounting, easy replacement of detectors;
- Anti tamper locking feature: protection from unauthorized detectors disassembling

Reed Switch facility

Simple testing can be undertaken on all Aurora detectors using a magnet to activate a full internal check of the circuit. This cannot replace the need for regular maintenance testing with an approved aerosol dispenser, but offers a confirmed response quickly during commissioning and general service activities.

THE LATEST TECHNOLOGIES

Low cost and high reliability of the Aurora series detectors are defined by:

- ASIC and COB technologies;
- The minimal number of electronic elements on the board
- Automatic calibration system

Central placement of contact points

Special contacts points designed for connection with remote indicator and ballasting resistor

Anti tamper locking feature:

Protection from unauthorized detectors disassembling



The detectors of the Aurora range are certified to their respective EN54 standards and CE marked in accordance with the CPD by LPCB



Aurora S100 Optic smoke detector

This detector offers wide-spectrum detection of smoke particles generated by the majority of fires. It is suitable for most applications and provides first-rate early warning.

The detector circuit design employs advanced "circuit-on-board" processing technology to deliver ultra-stable performance under all conditions.

Aurora S300/S400 Rate of Rise and High Temperature Detector

Two variants of temperature detectors are available to satisfy different application needs. The Rate of Rise detector, rated as Class A1R under EN54-5, provides high-level protection in applications where smoke detection is inappropriate. The High Fixed Temperature Detector, rated as a Class BS performance device, provides high-level protection in difficult applications where sudden temperature changes are to be expected or where a high ambient temperature is present at all times.

Aurora S200 Opto Heat Combination Detector

The Opto Heat Combination Detector is a combined smoke and heat detector in a single housing. It provides maximum dependability in applications that require protection against both low-smoke fast burning fires and low-heat smouldering fires. The Opto Heat Combination Detector can be easily mounted to any of the bases available with the series, and operates on almost the same principles as the other detectors in the range.

Decor line

The above detectors (S100, S200, S300, S400) are also available, on request, with decor line covers to satisfy high-end aesthetic demand.



Specifications	Optical Smoke	Rate of Rise Detector	High Temp Detector	Opto Heat Detector
Ordering Code	S100	S400	S300	S200
Standby Current (Nominal)	70uA	35uA	35uA	70uA
Alarm Current (Max)	50mA	50mA	50mA	50mA
Operating Voltage Range	10-30VdC	10-30VdC	10-30VdC	10-30VdC
Max Humidity (no condensing)	95%RH	95%RH	95%RH	95%RH
Operating Temperature	-30°C+70°C	-30°C+70°C	-30°C+70°C	-30°C+70°C
Storage Temperature Range	-40°C+70°C	-40°C+70°C	-40°C+70°C	-40°C+70°C
Weight (base included)	130g	130g	130g	130g
Diameter	110mm	110mm	110mm	110mm
Height (base included)	54mm	54mm	54mm	54mm
Applicable Standard	EN54-7:2001	EN54-5:2000	EN54-5:2000	EN54-5:2000; EN54-7:2001

AURORA series also includes a range of ancillary products and complementary devices.



ALS100 Conventional Wall Sounder



VBS100 Detector Sounder Base
Driver by the conventional detector.



CA100 Conduit Adapter
Adaptors to fit the conduit to the base.



DC100 Dust Cover
Protective cover to avoid dirt contamination during installation.



BLR100 Relay Base with 1K Ohm Resistor.
12-24Vdc Relay Base designed to make an easy interface between Aurora detectors and security type panels.



D100 Stand Alone Photo Detector
Specially designed for domestic applications and EN14604:2001 compliant.
Alarm LED, sounder and Output. Battery Operated



Smoke Detector Test Kit
Set for removing, replacing and testing of smoke detectors up to 6m.
Available for both photo and thermal detectors.



VBS100 Standard Base
UBR100-390 Conventional Base with 390ohm Resistor
UBRD100-390 Conventional Base with 390ohm Resistor and Schottky Diode
DBSR100-390 Deep size Conventional Base with 390ohm Resistor
DBSRD100-390 Deep size Conventional Base with 390ohm Resistor and Schottky Diode



CP100 Call Point
Resettable Manual Call Point.