

600 Series Detectors



General Information

The 600 Series conventional detectors are the result of the evolution of conventional detector design but with extra unique style features enabling improved operation, installation and easy servicing. Included within the 600 Series range is the new conventional enhanced carbon monoxide detector (601CH). The incorporation of a reliable electrochemical CO detection cell and high specification low thermal mass thermistor for accurate temperature detection has enabled the introduction of an enhanced CO detector suitable for fast, reliable fire detection on both slow and fast developing fires.

The traditional detectors or two-status detectors in the 600 Series have two output statuses: standby or alarm.

When used in conjunction with suitable monitoring and signalling equipment, they create an automatic detection system.

Application

As each type of detector responds to a particular "fire characteristic", the relative speed of response of the detector is therefore dependent upon the type of fire being detected.

The range of 600 Series conventional detectors have been designed to provide the earliest possible warning of a fire condition, with a minimum possibility of false/unwanted alarms.

General Features

- EN54 Approved from LPCB.
- Low operational voltage: 10.5 Vdc to 33 Vdc.
- Aesthetically discreet.
- Superior performance and reliability.
- Designed for rapid installation.
- Integrated alarm LED.
- Remote LED connection.
- Wiring polarity independent.
- Compatible with standard mounting base and with relay base.



Optical Smoke Detector



General Features

601P detector is capable of detecting the visible smoke produced by materials which smoulder or burn slowly, i.e. soft furnishings, plastic foam etc; or 'smoke' produced by overheated but unburnt PVC. These detectors are particularly suitable for general applications and areas where cable overheating may occur e.g. electrical services areas.

Product Order Codes

601P 516.600.001



High Performance Optical Detector



General Features

601PH detector reacts to the whole range of fire products from slow smouldering fires, producing visible particles to open flaming fires producing large numbers of very hot smaller sized aerosols. It combines optical and heat detector technology to detect clear burning fire products which hitherto could only be easily detected by ion-chamber detectors.

For normal ambient conditions, the high performance optical detector behaves as a normal optical detector.

Only when a rapid rise in temperature is detected does the sensitivity of the detector increase and the presence of smoke will confirm a fire condition.

The HPO will not operate on a rate of rise of temperature alone.

Product Order Codes

601PH 516.600.002



Heat Detector - Rate of Rise



General Features

601H-R (rate of rise) detectors detect abnormally high rates of rise of temperature. Can be used in areas where smoke sensors are unsuitable due to environmental conditions (smoke, dust etc.). Such areas include kitchens, locker rooms, canteens, garages, loading bays etc.

Product Order Codes

601H-R 516.600.003



600 Series Detectors

Heat Detector - Fixed Temperature



General Features

611H-F (fixed temperature) detectors detect abnormally high (static) temperatures . Can be used in areas where smoke sensors are unsuitable due to environmental conditions (smoke, dust etc,). Such areas include kitchens, locker rooms,canteens, garages, loading bays etc.

Product Order Codes

611H-F 516.600.214



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Multi Sensor CO and Heat Detector



General Features

601CH detector is a unique general purpose fire detector which provides very early warning of slow smouldering fires. Ideal for sleeping risks the CO fire detector is also well suited to many applications where heat detection is insufficient but smoke detection causes false alarms. As CO travels more freely than smoke the position of CO fire detectors is more flexible. This feature is particularly useful in large complex structures such as atria and warehouses, where the positioning of smoke detectors is difficult.

Product Order Codes

601CH 516.600.004



Solar Blind Infra Red Flame Detector



General Features

A detector that is ideal for protecting large open areas without sacrificing speed of response to flaming fires. A unique detector ideal for fast response to flaming fires typically caused by flammable liquids.

Product Order Codes

601F 516.600.006

Detector Bases





Detector Bases

General Information

The FireClass range of conventional detector ancillaries have been designed with the needs of the installer in mind. The range includes standard and diode bases, sounder, beacon and relay bases and the unique time saver ceiling tile adaptor.

Many of today's buildings feature a false or suspended ceiling. Installation of fire detectors to this type of ceiling has been seen as both difficult and time consuming with the installation requiring the ceiling to be in place before the detector base and associated second fix can take place.

By using the new Time Saver Ceiling Tile Adaptor this whole installation process has been made much easier. The complete process from wiring connection to detector commissioning can now take place as a single operation and be completed even before the ceiling has been installed.

A choice of functional bases include the 601SB(D) EN54-3 approved low current sounder base with adjustable volume and tone.

They do not require the use of a separate base and fit directly to a standard electrical box or the CTA adaptor plate.

The MC600 relay base provides dual relay contacts for signalling external devices on conventional detection systems. Very low operating current even when the relay is energised, enable the relay base to be used without additional power. The relay contacts operate when the detector enters the alarm condition.



General Features

- Aesthetically discreet both standard and diode base.
- Superior performance and reliability.
- Designed for rapid installation.
- Remote LED connection
- Sounder base with adjustable volume control & selectable tones.
- Extra low current sounder bases.
- Double pole relay base for local control.
- Time saver ceiling tile adaptor reduces installation time on suspended ceilings by 30%.
- Adaptor plate allows the time saver ceiling tile mount to be used with a wide range of alarm accessories.

Detector Base



The new 4B 4" Detector Base is designed to snap-fit to the Ceiling Tile Adaptor or it can be screw fixed to a ceiling in the traditional manner.

General Features

- Aesthetically discreet.
- Superior performance and reliability.
- Designed for rapid installation.
- Remote LED connection.

Product Order Codes

4B 517.050.041



Diode Base



The 4B-D Conventional Diode Base is a standard 4 inch base fitted with a continuity diode, for use with all Series 600 detectors.

The base is designed to ensure that conventional systems meet the requirements of BS5839 Pt:1 for callpoints placed after detectors.

General Features

- Compatible with Series 600 LowProfile Detector Range.
- Designed for two wire operation.
- Facility to drive a remote indicator.
- A temporary park position is provided so that the field wiring can be tested with the detector in situ.
- May be fitted directly to a British or European conduit box or directly into the ceiling

Product Order Codes

4B-D 517.050.045



Detector Bases

Deck Head Mounting



Where the detectors are mounted in humid and environmentally challenging situations such as marine or offshore installations, the 4B DHM deck head mount provides a sealed waterproof mounting which protects the electrical connections in the base. Can be screwed, bolted / welded to the deck head. Supplied with 1 terminal. If more are required, use the optional base accessory.

General Features

- 4 x 20mm gland entries.
- Fits ALL 5" bases.
- IP55 with supplied gasket.

Product Order Codes

4B-DHM 517.050.051
517.050.612 Terminal Kit (x10)



Euro Mount



The euro-mounting base provides a matching back box, which allows the 5" bases to be ceiling mounted with conduit entries for standard 18 and 21mm conduit.

General Features

- 2 x 18mm conduit entries.
- 2 x 21mm conduit entries.
- Fits all 4" Bases.
- Accepts up to 8 accessory terminals.
- Base Accessory terminal kit (pack of 10) part number 517.050.612.

Product Order Codes

4B-EM 517.050.052
517.050.612 Terminal Kit (x10)



Universal 5" Base With Relay



The 5B is the most common base designed to fix directly to the ceiling or various common backboxes. This base allows a detector to be plugged in directly.

General Features

- Variety of fixing options.
- Remote LED connections.
- Park position and address flag holder.
- Integral breakout locking key.

Product Order Codes

MUB-RV 508.031.751

Ceiling Tile Adapter Kit



The Time Saver Ceiling Tile Adaptor is used with the 4B 4" detector base snap fit base and consists of three parts, a bezel and clamp that are fitted to the ceiling tile and a back-box that carries the detector and base assembly. Requires a 127mm diameter hole. The CTA adaptor plate allows this to be used with other devices such as the FC430SB.

General Features

- Cuts installation time by 30%.
- Commission the system before the suspended ceiling is installed.
- Suitable for ceiling tiles from 1mm.
- Made from flame retardant material.
- No additional back-box is required.
- Time saver is designed for use with a new snap-fit 4" detector base.
- Adaptor available for use with the AV base & other devices.

Product Order Codes

CTA-BB CTA Back Box
517.050.056

CTA-BC CTA Bezel and Clamp
517.050.057



CTA-AP CTA Adaptor Plate



General Features

The CTA adaptor plate allows the Ceiling Tile Adaptor to be used with other devices.

Product Order Codes

CTA-AP CTA Adaptor Plate 517.050.058



Detector Bases

Protective Cage



White powder coated steel protective cage for Series FC400 Detectors fitted with a sounder base. Dimensions: 120mm dia x 80mm deep

Product Order Codes

Protective cage 517.050.011

Protective Detector Sounder Base Cage



Robust steel protective cage for Series FC400 detector ranges using the 5" bases. Ideal for schools and sport halls or whenever detectors need protection. Strong coated steel construction with 4 point fitting.

Product Order Codes

Protective Detector Sounder Base Cage 517.050.614

Call Points

