

CONVENTIONAL DETECTORS

- Wide range of detector types
- 360° visibility LED
- UL approved
- Low profile design

The HAWK range of conventional detectors have been specifically designed to operate with Hawk fire alarm control panels.

The Hawk range of detectors was designed for markets which require UL/ETL standards.

The FS ranges of conventional detectors are superior in design and performance that offer exceptional features that benefit both the installer and the end user.



CONVENTIONAL DETECTORS

SYSTEM OVERVIEW

- The smoke detector range consists of:
 - Optical smoke detector
 - Combined photo thermal
- With photo thermal detector, sensitivity of smoke detection element varies according to changes in temperature. If temperature is stable then smoke detection sensitivity is reduced to provide maximum false alarm rejection, if there is a significant rate of rise in temperature, smoke detection sensitivity is increased to maximum, to provide earliest possible detection of all fires, especially those which are fast clean burning types
- Photo thermal offers excellent detection of both cool smouldering fires and hotter burning cleaner fires. It is therefore becoming a natural replacement for less environmentally friendly ionisation type detectors.
- Heat detector range consists of:
 - Rate of rise heat detector
 - Medium temperature fixed heat detector
 - High temperature fixed heat detector
- Detectors have an attractive appearance, enhanced by low profile design, optical detector has a profile including base of only 45mm, thermal and photo thermal detectors have a profile including base of 55mm
- Detectors use light pipe technology to provide 360° LED viewing angle. This simplifies installation and reduces search time in the event of alarm activation
- The LED status indicator can be seen from any angle avoiding the need for careful alignment of LED with optimum viewing point such as the entrance to a room
- Enhanced smoke and photo thermal detectors have chamber monitoring with drift compensation, this feature automatically monitors for chamber contamination and adjusts detector sensitivity in response to gradual build up of dust. When end of drift compensation limit is reached, an amber status LED illuminates to alert user.

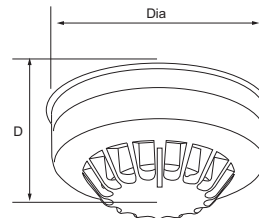
USER INTERFACE

- Red LED to indicate alarm condition
- All wiring connections are via a common mounting base (supplied separately)

INSTALLATION NOTES

- Detectors are fixed and wired via common mounting base
- Cable entry into base can be rear or side
- A locking facility is provided which can be activated if required to prevent unauthorised detector removal without the use of a special tool
- Positive click mechanism incorporated to provide clear indication when detector is correctly located in base

DIMENSIONS



	Dia (mm)	D (excl base)	D (incl base)
Optical smoke detectors	101	33	45
Photo-thermal detector	101	43	55
Heat detectors	101	43	55



Innovative light pipe technology allows LED to be seen from any angle



CATALOG NUMBERS

Description	Part number
Photoelectric smoke detector	FSP-2W
Photo thermal smoke detector	FSPT-2W
Fixed heat detector (135°F)	FST-2W
Fixed heat detector (194°F)	FSTI-2W
Rate rise and fix heat detector(135°F)	FSR-2W
Rate rise and fix heat detector(194°F)	FSRI-2W
Common base	FSB2E
Wide detector base	FSB

CONVENTIONAL BASES

- Separate loop in and loop out terminals
- Stand off fixing feature
- Accepts side entry surface cables
- Selectable detector locking feature

Detector mounting bases are available which have been specifically designed to be compatible with Firesense HAWK fire control panels.

The bases have been designed for flexibility, simplicity and speed of installation.



SYSTEM OVERVIEW

- Bases incorporate purpose designed devices to provide fault warning if detector is removed whilst maintaining full zone wiring integrity
- FSB base has spring contact switch and parallel zener diode arrangement

USER INTERFACE

- Heavy duty terminals are provided for each connection, each terminal can accept 2 x 2.5mm cables. Separate loop in and loop out terminals are provided for each connection.

INTERFACE OPTIONS

- FS conventional detectors and bases support the use of a remote LED.

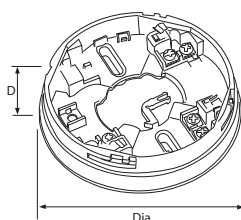
INSTALLATION NOTES

- Base incorporates a retaining clip to provide positive feedback when detector is correctly fitted
- Separate terminals are provided for loop in and loop out connections
- Each terminal can accept up to 2 x 2.5mm cables
- Base incorporates a substantial cable entry aperture in the rear of the base
- Breakouts are provided to enable the detector base to sit neatly over surface cables and then enter via the rear entry aperture
- Base mounting incorporates a stand off feature to help prevent distortion when mounted on an uneven surface
- Fixings are suitable for standard BESA box or direct fixing to suitable surface
- Optional locking devices (supplied with base) to prevent unauthorised detector removal

CATALOG NUMBERS

Cat. No.	Description
FSB	Wide detector base
FSB2E	Common detector base
FS-251/D	Remote LED Indicator

DIMENSIONS



Dia (mm)	D (mm)
104	22

