

# ANALOG DETECTORS

- Soft addressed
- Integral short circuit isolator
- Wide range of detector types
- 360° visibility LED
- UL approved

The CONDOR ranges of analog detectors have been specifically designed to operate with Condor fire alarm control panels. The Condor range of detectors was designed for markets which require UL/ETL standards. The FS ranges of fire analog detectors are superior in design and performance that offer exceptional features that benefit both the installer and the end user.



## SYSTEM OVERVIEW

- The available range of analog detectors consists:
  - Optical smoke detector
  - Combined photo thermal detector
  - Multi-mode heat detector
- All analog detectors are soft addressed for simple installation, this avoids the need for manual addressing, which has potential for error. When the panel is set to autolearn mode, each detector is allocated an address number in sequence corresponding with its position on the loop
- All analog detectors incorporate short circuit isolators as standard to:
  - Simplify installation by removing the need for separate short circuit isolators
  - Limit the effect of cable short circuits - a single short circuit on the loop will not affect communication with any devices
  - Allow simple reconfiguration of zones as changing of zone boundaries can be achieved without the need to add additional short circuit isolators
- Optical smoke detector incorporates automatic drift compensation to offset the effect of dust build up within the chamber
- 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 enhanced 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 fast clean burning fires
- Heat detector can be programmed from the panel to operate in three modes:
  - Rate of rise
  - Medium fixed temperature
  - High fixed temperature
- Setting can be adjusted from the hand programmer at any time to suit changing requirements
- Photo thermal detector can be set to operate in thermal only mode
- Setting can be adjusted from the control panel at any time to suit changing requirements
- Detectors have an attractive appearance, enhanced by low profile design, optical detector has a profile including base of only 45mm, thermal and photo thermal detector 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

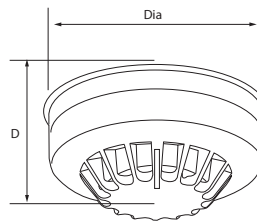
## USER INTERFACE

- LED indicates detector status, can be set to flash to confirm communication with control panel, illuminates continuously under fire conditions
- All wiring connections are via a common mounting base (ordered 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.

## DIMENSIONS



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

# ANALOG DETECTORS



Photoelectric detector



Heat detector



Opto/Heat detector

## CATALOG NUMBERS

### Product Codes - UL

FS320	Photoelectric Analog smoke detector
FS330	Programmable Analog Heat detector
FS340	Opto/Heat Analog detector

# ANALOG BASES

- Separate loop in and loop out terminals
- Accepts side entry cables
- Selectable detector locking feature

Detector mounting bases have been specifically designed to be compatible with the latest generation of FireSense analog detectors and control panels. The bases have been designed for flexibility, simplicity and speed of installation.



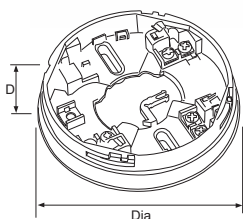
## SYSTEM OVERVIEW

- Bases incorporate purpose designed shorting link to ensure wiring continuity if a detector is removed
- Base incorporates a retaining clip to provide positive feedback when detector is correctly fitted
- Retaining clip can be replaced with locking device (supplied with base) to prevent unauthorised detector removal

## 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.

## DIMENSIONS



Dia (mm)	D (mm)
104	22

## INTERFACE OPTIONS

- Firesense analog detectors and bases support the use of a remote LED.

## INSALATION NOTES

- 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

## CATALOG NUMBERS

### Product Codes - UL

FSBA	Wide analog detector base
FSBE	Common analog detector base



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