

The Firesafe Dual Guard+ 2-wire optical detector is a photoelectric smoke sensor, which it incorporates a unique high performance technology chamber, removing the need to use ionisation smoke sensors in the majority of applications. A third terminal provides remote indicator output.

This also allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

It is easily removed or replaced for cleaning and utilises a unique baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

It is supported by the Firesafe Dual Guard+ 2-wire range of products, thermal detectors and 2, 4 or 8 zone panels for different applications, supported on the majority of conventional systems.

- removable, high performance chamber
- twin fire LED's allow 360° viewing
- locking mechanism (sensor to base)
- variable sensitivity
- electronically addressed
- fully compliant to BS EN54-7
- compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- designed to work with Firesafe Dual Guard+ 2-wire range of products, thermal detectors and 2, 4 and 8 zone fire control panels



TECHNICAL

voltage range (Vdc)	17 - 41
lower power mode - typical (µA)	120
quiescent current - typical (µA)	400
alarm current - controlled by CIE (mA)	9.1
transmission method	digital communications using ESP
operating temperature range (°C)	-10 to +50

storage temperature range (°C)	-30 to +60
maximum humidity (RH)	95% - Non condensing (at 40°C)
protection rating	IP42
boxed weight (kg)	0.09
body colours available	white (ABS)
compatible bases	FSTSB

ORDERING INFORMATION

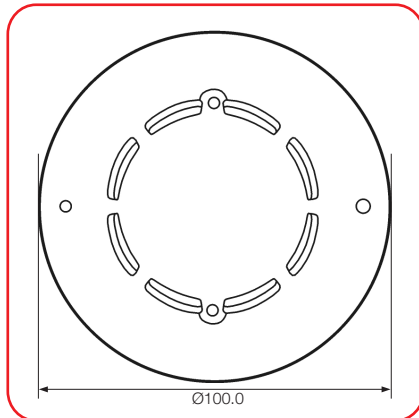
optical detector, white	FSTO
compatible detector base, white	FSTB



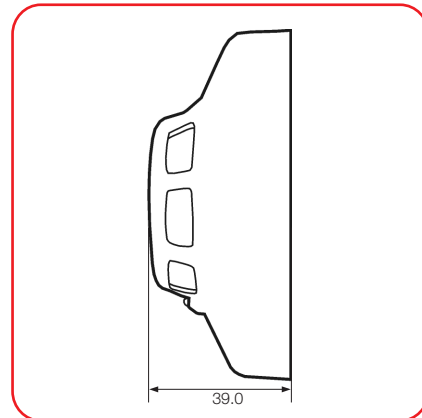
DIMENSIONS, PRODUCT MOUNTING & CABLE ENTRY

all measurements are in mm

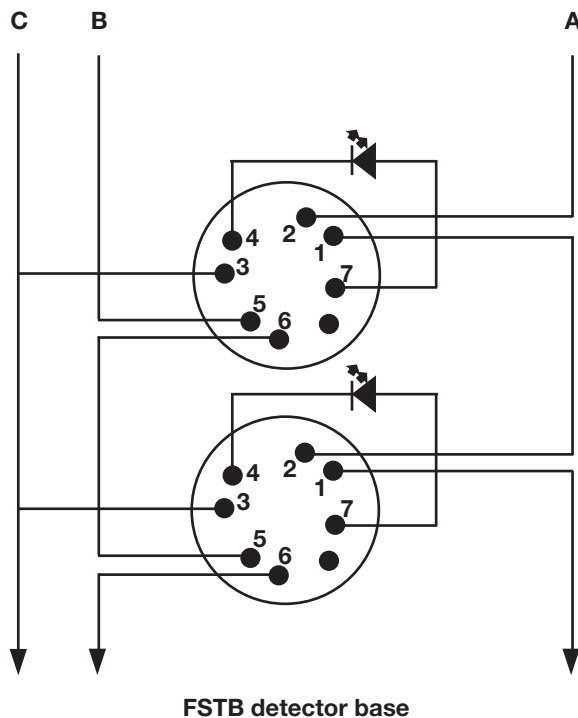
PLAN VIEW




SIDE VIEW



WIRING CONFIGURATION



KEY

-  remote indicator
- A** zone wiring +ve
- B** zone wiring -ve
- C** cable screen

