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## Fire Alarm Systems

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# BRISTOL

**BRISTOL FIRE LTD**

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Subject to change without notice  
Issue: November 2011



**BF-S-0111 Multi-Purpose Smoke Detector**  
**BF-SH-0115 Multi-Purpose Smoke and Heat Detector**  
**BF-H-0116 Multi-Purpose Combination Heat Detector**



BF-SH-0115



BF-H-0116



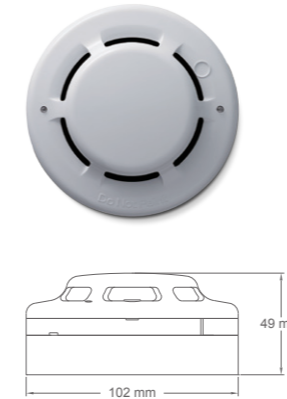
BF-S-0111

**Characteristics**

- Special chamber design has greatly decreased dust levels and improved detection accuracy.
- Dual LEDs for 360-degree visibility.
- Advanced technology enables this detector to increase its precision in fire detection, improve signals to avoid noise interference and thus reduce unwanted false alarm.
- Low current consumption that allows more detectors to be used with each control panel.
- Dual contacts on the base which enhance the connecting stability between sensor and base.
- All bases are fitted with a shorting spring to permit maintenance without disconnecting when removing the detector head.



**BF-S-0111**  
**Multi-Purpose Smoke Detector**



**Specifications**


Model	BF-S-0111-2	BF-S-0111-3	BF-S-0111-4
Voltage Range	12 ~ 30V DC		
Standby Current	35µA		
Alarm Current @24V DC 470Ω	40mA	30mA	40mA
Sensitivity Setting	Comply to EN54		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 49mm(H)		
Weight	155g	157g	165g
Color	White		

**Order information**

BF-S-0111-2	2-wire
BF-S-0111-3	3-wire with remote indicator output
BF-S-0111-4	4-wire with relay output

**Effective alert area**

Building Height	Area Covered
Under 4M	150 M <sup>2</sup>
4 ~ 20M	75 M <sup>2</sup>

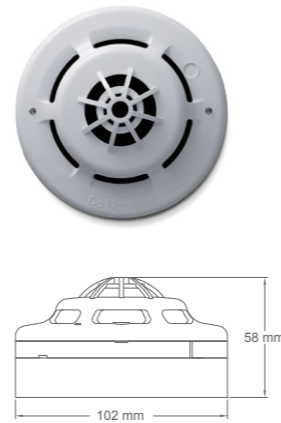
Approvals: EN54 

**BF-SH-0115**  
Multi-Purpose Smoke  
and Heat Detector



**Specifications**

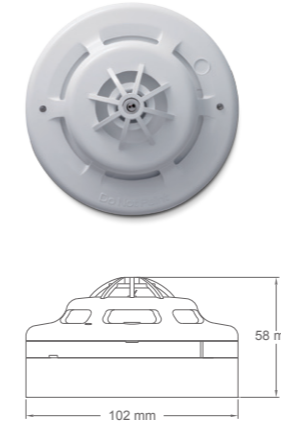
Model	BF-SH-0115-2	BF-SH-0115-3	BF-SH-0115-4
Voltage Range	12 ~ 30V DC		
Standby Current	55µA		
Alarm Current @24V DC 470Ω	40mA	30mA	40mA
Sensitivity Setting	Comply to EN54		
Thermal Setting	58°C		
Response Grade	Comply to EN54, Grade 1		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 58mm(H)		
Weight	155g	157g	165g
Color	White		



**BF-H-0116**  
Multi-Purpose Combination  
Heat Detector

**Specifications**

Model	BF-H-0116-2	BF-H-0116-3	BF-H-0116-4
Voltage Range	12 ~ 30V DC		
Standby Current	45µA		
Alarm Current @24V DC 470Ω	30mA	35mA	40mA
Thermal Setting	58°C		
Response Grade	Comply to EN54, Grade 1		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 58mm(H)		
Weight	145g	147g	160g
Color	White		




**Order information**

BF-SH-0115-2	2-wire
BF-SH-0115-3	3-wire with remote indicator output
BF-SH-0115-4	4-wire with relay output

**Effective alert area**

Building Height	Area Covered
Under 4M	150 M <sup>2</sup>
4 ~ 20M	75 M <sup>2</sup>

Approvals: EN54 

Approvals: EN54 

**Order information**

BF-H-0116-2	2-wire
BF-H-0116-3	3-wire with remote indicator output
BF-H-0116-4	4-wire with relay output

**Effective alert area**

Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	90 M <sup>2</sup>	45 M <sup>2</sup>
Ordinary Building	50 M <sup>2</sup>	30 M <sup>2</sup>



BF-M-0317



BF-AB-0418



BF-SB-02127

**BF-SB-02127**  
**BF-SD-02127**

**Electronic Sounder and Beacon**

**BF-M-0317**  
**Manual Call Point**

**Features**

- Available in flush or surface mounted models.
- Plastic film on glass.
- Test key inserted from bottom.
- Suitable for the majority of conventional fire alarm system.
- Clear protection cover is also available (optional).
- Choice of red, yellow, blue or green finish also available for custom-made.

**BF-AB-0418**  
**Fire Alarm Bell 6"**

**Features**

- High efficiency low current consumption on 24VDC motorized bells.
- Terminals will accept 2.5mm cables.
- Simple installation via multi-fixing base plate for all types of location.
- Fitted with two series diodes for fault monitoring.
- Option of customized discs printed with company name and logo.
- 12VDC bells are also available.



BF-SD-02127

**General**

This electronic sounder is designed for use with fire alarm systems, security systems and industrial signaling systems. Combined sounder and beacon provides an audio-visual warning which is suitable for places where high sound output and visual indication is required.

**Characteristics**

- 32 signal tones selectable by Dip switch.
- High sound output with low current consumption.
- High efficiency lens for maximum light output.
- Volume Control as standard.
- Two sets of IN and OUT terminals, easy for installation.

**Specifications**

Model	BF-M-0317
Operating Contact	6A 125/250VAC
Resistance	30mΩ
Ambient Temperature	-25°C ~ +85°C
Dimensions	88mm(H) x 88mm(W) x 52mm(D)
Weight	About 165g

**Specifications**

Model	BF-AB-0418
Dimensions	ø6" (152mm) x 56mm(H)
Voltage	24V DC
Current	25mA
Sound Output	93dB @1M
Movement	Motor, Pinion and striker
Movement Features	DC Motor, acetral gear wheel, steel striker
Gong	Steel, secured with phillips screw
Base Plate	Molded black polycarbonate
Material	Steel plate
Weight	About 850g

**Specifications**

Model	BF-SD-02127	BF-SB-02127
Voltage	24V DC	
Current Consumption 24V DC (tone 3)	14.5mA	
Sound Output 24V DC dB (A) at 1 meter	Max. 114	
Volume Control	0 to -20dB adjustment	
Ingress Protection	IP44	
Ambient Temperature	-25°C ~ +80°C	
Material	ABS plastic	
Dimensions	92.5mm(Dia.) x 94mm(H)	92.5mm(Dia.) x 110mm(H)
Weight	254g	278g

**Order information**

BF-SD-02127	Electronic Sounder
BF-SB-02127	Electronic Sounder and Beacon