Fyreye MkII Addressable Smoke Detectors

(MKII-AOP, MKII-AOH)



Description

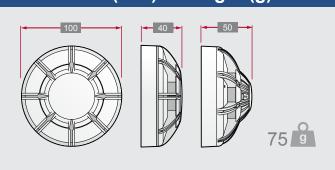
The Fyreye MKII optical smoke detector (MKII-AOP) uses a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.

The detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10µm).

Features

- Designed to meet EN54 requirement
- Lockable to base to stop unauthorised removal
- Remote LED output
- 8 LEDs for improved, 360° visibility
- Compatible with all Fyreye MkII bases
- Addressed with dip switches or hand-held programmer

Dimensions (mm) & Weight (g)



Technical Specification					
Model	MKII-AOP	MKII-AOP/B	MKII-AOH	MKII-AOH/B	
Part No.	80-210	80-210/B	80-216	80-216/B	
Detector Class	Optical Smoke		Combined Smoke & Heat A1		
Design Standard	EN54 part 7		EN54 parts 5 & 7		
Approval	LPCB				
Operating Voltage	17 to 28V DC				
Quiescent Current	500µA				
Alarm Current @ 24V DC	5mA				
Operating Temp. (°C)	-10 to +50°C		-10 to +50°C		
Min. Continuous Temp.	0°C				
Max. Humidity	95% RH non-condensing				
Alarm Condition	0.09dB/m to 0.11dB/m		0.09dB/m to 0.12dB/m Fixed heat trigger @ 57°C		
Coverage	100m²		100m²		
IP Rating	IP43				
Start-up Time	10 Seconds				
Size (with Base)	100 x 49 mm		100 x 59 mm		
Weight (with Base)	75g (133g)				
Remote Output	5mA at 24VDC				

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Fyreye MkII Addressable Heat Detectors

(MKII-AHF, MKII-AHF/CS90, MKII-AHR)



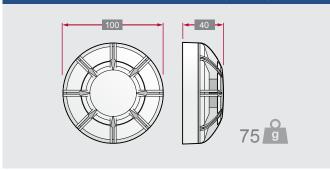
Description

The Fyreye MKII Rate of Rise heat detector (MKII-AHR) uses a thermistor arrangement to sense a quick rise in temperature and also a final threshold temperature of 57°C. The Fyreye fixed heat detector (MKII-AHF) has a single thermistor arrangement that gives an alarm at a temperature of 57°C, where the MKII-AHF/CS90 gives an alarm above 86°C.

Features

- Designed to meet EN54 requirement
- Lockable to base to stop unauthorised removal
- Remote LED output
- 8 LEDs for improved, 360° visibility
- Compatible with all Fyreye MkII bases
- Addressed with dip switches or hand-held programmer

Dimensions (mm) & Weight (g)







Technical Specification

Model	MKII-AHF	MKII-AHF/B	MKII-AHF/CS90	MKII-AHF/CS90/B	MKII-AHR	MKII-AHR/B		
Part No.	80-214	80-214/B	80-218	80-218/B	80-212	80-212/B		
Detector Class	Fixed Heat Only A2S		Fixed Heat Only CS		Rate of Rise & Fixed Heat Detector A1R			
Design Standard	EN54 part 5		EN54 part 5		EN54 part 5			
Approval	LPCB							
Operating Voltage	17 to 28V DC							
Quiescent Current	500μΑ							
Alarm Current @ 24Vdc	5mA							
Operating Temp. (°C)	-10 to +50°C		-10 to +80°C		-10 to +50°C			
Min. Continuous Temp.	0°C							
Max. Humidity	95% RH non-condensing							
Alarm Condition	Fixed heat trigger @ 57°C		Fixed heat trigger @ 90°C		Rate of rise or fixed heat trigger @ 57°C			
Coverage	50m²		50m²		50m²			
IP Rating	IP43							
Start-up Time	10 Seconds							
Size (with Base)	100 x 49 mm		100 x 49 mm		100 x 49 mm			
Weight (with Base)	75g (133g)							
Remote Output	5mA at 24VDC							

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