

# Fyreye MkII Conventional Detectors

(MKII-OP, MKII-OH, MKII-HF, MKII-HF/CS90, MKII-HR)



## Description

The Fyreye MkII optical smoke detectors use a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.

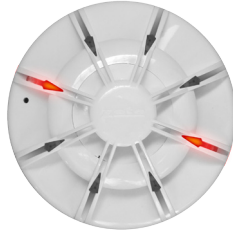
The detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10µm).

The Fyreye Rate of Rise heat detectors (MKII-HR) use 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-HF) has a single thermistor arrangement that gives an alarm at a temperature of 57°C.

There are 4 types of mounting base available; standard or deep and with or without diode.



MKII-OP



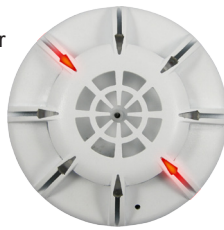
MKII-OH



See table below for CPD numbers



MKII-HF



MKII-HR

## Features

- Designed to meet EN54 requirement
- Lockable to base to stop unauthorised removal
- Remote LED output
- Compatible with all Fyreye bases

## Bases

Model	MKII-CB	MKII-CB/D	MKII-DB	MKII-DB/D
Part No.	80-220	80-221	80-222	80-223
Type	Common Base	Common Base	Diode Base	Diode Base
Size	100 x 16mm	100 x 32mm	100 x 16mm	100 x 32mm
Weight	53g	64g	53.2g	64.2g

## Technical Specification

Model	MKII-OP	MKII-OH	MKII-HF	MKII-HF/CS90	MKII-HR
Part No.	80-200	80-206	80-204	80-208	80-202
Detector Class	Optical Smoke	Combined Smoke & Heat	Fixed Heat Only	Fixed Heat Only	Rate of Rise & Fixed Heat Detector
Design Standard	EN54 part 7	EN54 parts 5 & 7	EN54 part 5	EN54 part 5	EN54 part 5
Approval	DIFT				
CPD Number	0845-CPD-232.1700	0845-CPD-232.1703	0845-CPD-232.1701		0845-CPD-232.1702
Operating Voltage	9-33V DC				
Quiescent Current	40µA				
Alarm Current @ 24V DC	34mA				
Operating Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +80°C	-10°C to +50°C
Min. Continuous Temp.	0°C				
Maximum Humidity	95% RH non-condensing				
Alarm Condition	2.4% obscuration per metre		Fixed heat trigger @57°C	Fixed heat trigger @90°C	Rate of rise or fixed heat trigger @ 57°C
Coverage	100m <sup>2</sup>		50m <sup>2</sup>		
IP Rating	IP43				
Start-up Time	10 Seconds				
Size (with Base)	100 x 48 mm	101 x 64 mm	100 x 48 mm		100 x 48 mm
Weight (with Base)	75g (133g)				