



Wireless Optical Smoke Detector

✓ Key Features



EN54-25 approved



868 - 870 MHz operating frequency



Powered by lithium metal batteries



Modern design



360 degree LED indication



Overview



The Wi-Fyre Wireless Optical Detector consists of a ProFyre optical smoke detector head combined with a Wi-Fyre wireless base. The Wi-Fyre Optical Smoke Detector uses a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.



Approvals

All Wi-Fyre Devices are fully certified to EN54-25 - the European product standard for wireless fire alarms, which necessitates third party assessment to confirm that it meets very specific requirements.

Wi-Fyre also complies with ENTSI 300:200 - the standard requirements for the Radio Equipment Directive (RED), and BS 5839-1 - the code of practise for design, installation, commissioning and maintenance of fire alarm systems in non-domestic premises.



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Tech Specs

Radio

 Operating Frequency	868 - 870 MHz, 14dBm
 Range	150m open area

Detection

 Detector Class	Optical Smoke
 Alarm Condition	2.4% obs/m
 Coverage	100m ²

Electrical

 Power Source







4 x Lithium AA Cell (Saft LS14500)

 Battery Life

Up to 3 years

Environmental

 Operating Temperature	-10 to +50°C
 Humidity	93% rH (non-condensing)
 Ingress Protection	IP21
 Design Environment	Indoor use only

Mechanical

 Housing Material

Polycarbonate and ABS

 Colour



White



Tech Specs

Size & Weight

Size



Weight

0.31kg (0.68 lbs)

Ordering Information

Part Code	Description
10-010	Wireless Optical Smoke Detector with Batteries
10-080	Wireless Detector Lithium Metal Battery Pack
10-084	Wireless Detector Base without Batteries
10-085	Wireless Optical Smoke Detector Head