



Wireless Solutions for Fire & Security

FirePoint Optical Detector Features

- Analogue/addressable
- Proprietary sensor
- Protected sensing chamber
- Universal transmitter module
- Up to 5 Years battery life
- Detector / transmitter tamper
- Range in excess of 250 metres



Overview

The model 53-5100 Analogue Addressable Optical Smoke Detector is bayonet fitted to a radio address/transmitter module, incorporating alkaline batteries and supplied with a surface-mount base unit. Removal of the detector or address/transmitter module will indicate a fault condition. The detector is manufactured by Ziton and complies with BS5839 Part 5 and EN54 Part 7.

The Optical Smoke Detector operates on an advanced light scattering principle, using a wide-angle light beam together with an extra high sensitivity photodiode receiver. An internal polling system checks for smoke particles every 5 seconds, initial detection of smoke traces accelerates polling to every 2 seconds. The alarm is verified twice to ensure freedom from false alarms.

The detector incorporates a selectable automatic lock, which, if enabled locks it into its base when plugged in, preventing unauthorised removal. Each unit has a unique address configured during manufacture and is individually addressable by the system controller. The radio address module is programmed to report at regular intervals of 5 – 9 minutes.

Designed and manufactured using the latest techniques and surface-mount technology ensures component count is kept to a minimum, thereby maximising reliability.

The address/transmitter module is powered by a low-voltage dual supply alkaline battery pack. The battery pack condition is continually monitored. The battery pack has been tested to provide up to 5 years life at normal site operations (10 - 30°C). The system indicates remaining battery capacity and a low battery condition is indicated to the controller as a fault, allowing 30 days for the battery pack to be changed before unit failure.

5000
FirePoint

Specification

Dimensions:	106x75 mm with transmitter/address module
Weight:	119g
Operating Temperature:	-10 to 85 °C
Humidity:	Up to 95% non-condensing
Supply:	6 x 1.5 volt alkaline AAA cells Battery life up to 5 years (at normal site conditions 10 - 30°C)
Operating Frequencies:	VHF - 173.2 MHz -173.5 MHz (transmitter)
Channel Spacing:	25 kHz
Output Transmitter Power:	1 mW ERP
Outputs:	Detector alarm – Fire and Fault Detector identity Battery condition Auto report signal
Standards:	Designed to comply with relevant parts of BS5839 and EN54

Ordering Information

Detector / address module complete: Part Number **53 - 5100**



EMS Group Head Office
Technology House
Sea Street
Herne Bay
Kent CT6 8JZ
England
Tel: +44 (0) 1227 369570
Fax: +44 (0) 1227 369679
Email: enquiries@msgroup.co.uk

www.msgroup.co.uk

An ISO9001:2008 approved company



Dealer Information:

The information contained within this literature is correct at time of publishing. The EMS Group reserves the right to change any information regarding products as part of its continual development enhancing new technology and reliability. The EMS Group advises that any product literature issue numbers are checked with its head office prior to any formal specifications being written.

Part No: FirePoint 2, v1.2