



Wireless Solutions for Fire & Security

FireCell Optical Smoke Detector

- Wireless activation
- Third party certified (EN54)
- 2-way radio communication
- Protected sensing chamber
- 5 year battery life at normal conditions
- Universal transmitter module
- Detector / transmitter tamper
- Range in excess of 150 metres



Overview

The FCX-100-001 is an Optical Smoke sensor bayonet fitted to a radio base, incorporating alkaline batteries and supplied with a surface-mount fixing plate. Removal of the detector or radio base will indicate a fault condition. The sensor is manufactured by Apollo and complies with EN54 Part 7 and the radio base is fully compliant with EN54 part 25.

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 base is programmed to report at regular intervals of less than 300 seconds.

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

The radio base 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 a 5 year life at normal conditions (15°C-35°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.

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Specification

Dimensions:	106mm x75mm with radio base
	Weight.0.35Kg
Operating Temperature:	-10°C to 70°C
Humidity:	Up to 95% non-condensing
Supply:	6 x AA cell Duracell Alkaline batteries
IP Rating:	IP23
Operating Frequencies:	868 MHz
Output Transmitter Power:	Variable 0-14dBm
Standards:	Third party certified to: EN54 part 7 EN54 part 25 ETSI EN 300 220

Ordering Information

Detector/address module complete	Part Number FCX-100-001
Head only	Part Number FCX-177-001
Detector base	Part Number FCX-170-001



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 certified company



Part No: Firecell 2, v1.6

Dealer Information:

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