

FireCell Optical Smoke Detector

- Wireless activation
- Third party approved (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 model FCX-100-001 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 Apollo and complies with EN54 Part 7 and 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 address module 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 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 a 5 year life at normal conditions (15-35°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.

Specification

Dimensions:	106x75 mm with transmitter/address module Weight.0.35Kg
Operating Temperature:	-10 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 ENTSI 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 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: Firecell 2, v1.4