



Wireless Solutions for Fire & Security

FireCell Heat Detector

- Wireless activation
- 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-120-001 radio heat 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 5 and EN54 Part 25.

The heat detector operates on a highly sensitive thermistor, which measures actual temperature and the rate of temperature rise change. At regular intervals, the detector carries out a self test that checks and verifies every function, including the thermistor and sensitivity to temperature. Any failure is automatically reported to the control panel.

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-every 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 battery 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, leaving approximately 30 days for the battery pack to be changed.



Specification

Dimensions:	106 x 75 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:	EN54 part 5 EN54 part 25 ENTSI 300:220

Ordering Information

Detector/address module complete	Part Number FCX-120-001
Heat Head only (Class CS)	Part Number FCX-176-001
Heat Head only (Class A1R)	Part Number FCX-175-001
Detector base	Part Number FCX-170-001



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Dealer Information:

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