Ei Electronics®
fire + gas detection

Ei3024 - Multi-Sensor Fire Alarm

Mains Powered 230V~
Rechargeable Battery Back-up

Key Features

- Contains both optical and heat sensor
- Complies with all fire tests: TF1-TF6 & TF8
- SmartLINK compatible
- AudioLINK data download
- Automatic dust compensation
- Hardwire interconnect
- Wireless interconnect (with Ei3000MRF module)
- Easy to use large Test / Silence button
- Memory function
- Easi-fit base
- Energy efficient and low power consumption
- 5 year guarantee

Product Description

The Ei3024 is a Multi-Sensor Alarm containing 2 separate sensing elements, intelligently monitored, in order to detect the presence of fire. Using its intelligent dual monitoring, it responds much faster to all fire types (TF1 to TF6 & TF8) than a traditional single sensor Alarm. In addition, the chamber design, integrated insect screen and unique dust compensation algorithm reduce the risk of false alarms.

The Ei3024 is powered by 230V AC mains. In the event of mains failure, the rechargeable 10 year built in tamper-proof lithium cells will provide up to 3 months power supply in the case of a wireless RF installation or up to 6 months in any other case.

The AudioLINK feature facilitates acoustic download of the Alarm parameters and status using the Ei Electronics AudioLINK app.

The Ei3024 can operate as a standalone Alarm or can be interconnected either by hard-wire or wirelessly (using the EI3000MRF module) enabling it to communicate with compatible Ei Alarms and accessories. Up to 12 devices can be interconnected.

The Ei3024 self-checks its sensors, battery voltage and internal circuitry every 48 seconds. Any fault condition found will be indicated by a combination of yellow LED flashes and chirps.

The memory feature allows an Alarm that has previously activated to be easily identified (through the red flashing LED).

The Ei3024 fitted with the Ei3000MRF module can be connected to the SmartLINK Cloud Portal via the installation of the Ei1000G Gateway enabling live monitoring, details of system installations and notifications of Alarm activations and system events via alert, text message or e-mail.

Technical Specification

Sensor Type:	Photoelectric & Thermistor (Class A1 detection. Trigger temperature 58°C ± 4°C)
Supply Voltage:	230V AC, 50Hz
Power Consumption:	0.25W (standby)
Battery back-up:	Tamper-proof Rechargeable lithium cells
Interconnectable:	via hardwire (wireless optional with Ei3000MRF)
Sound Level:	85 dB(A) at 3m
Button Test:	Checks sensors, electronics & horn
Silence function:	Silences alarm for 10 minutes Silences fault chirps for 12 hours
Live monitoring:	Via the Ei3000MRF module & the Ei1000G Gateway
Data download:	Via the AudioLINK App
Indicator LED's:	**Green LED** - Power
	Red LED - In alarm (if coincides with horn sounding), in hush mode or memory
	Yellow LED - Fault
Memory Feature:	Records last alarm event
End of Life:	Audible and visual indicators (3 yellow flashes and 3 beeps)
Insect screen:	Fine Mesh
Fixing:	Screw fixing and Easi-fit base supplied
Temperature Range:	-10°C to 40°C [1]
Humidity Range:	15 % to 95 % RH (non-condensing)[1]
Plastic material:	UL94VO flame retardant
Dimensions:	Product - 150mm x 66mm
	Package - 180mm x 155mm x 70mm
Weight:	346g (Pack +66g)
Warranty:	5 year (limited) warranty
Approvals:	

CE

KM 522831 & KM 83678
EN14604:2005
BS 5446-2:2003

Manufactured to ISO 9001 quality standards
Specifications are subject to change

1. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.