

Kidde Fyrnetics Spec Sheet



10Y29 Sealed Lithium Battery
10 Year guaranteed alarm
4" diameter
Separate fixing base

A state of the art Optical Smoke alarm designed for easy installation & a Guaranteed 10 Years life.

- New** small diameter reduces storage space needs.
- New** "reduced sound" feature when testing alarm.
- New Silent** visual early low battery "pre warning".

Optical sensor is the best technology to detect slow smouldering, large particle fire events eg furniture fires.
Easily installed by non electricians.

Standard Approval:

BS Kitemarked & CE Marked, Optical to BS EN14604.

Applications:

Suitable for fire brigade use operating under CFS initiatives.
Local Authority & Housing Association use, often as a temporary measure until hard wired alarms can be installed.

Features:

Small footprint; **diameter of just 104mm.**

Early (silent) low battery warning; via LED flashing, with no chirping.
After 30 days, alarm then chirps for 30 days more to indicate end of life.

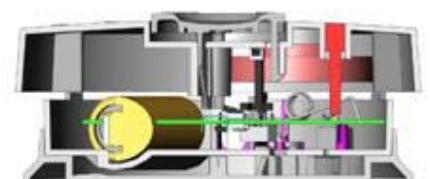
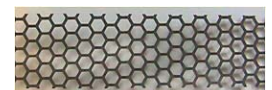
Ramp up sounder, means ear protection from full 85db sound level when Testing

Tamper proof high performance **FDK (Fuji)** Lithium battery
Soldered on PCB. *The battery specification is critical to long term performance.*

Battery **not activated** until alarm mounted on base plate to preserve freshness.

Bug screen to minimise nuisance alarms

Auto resets after alarm activation
Flashing red LED indicates alarm is operating
85db audible alarm sound level at 3 metres



(Features continued)

1 **central Test/Hush** button; easy to operate, especially for those with impairments/ elderly. Test Button checks sounder/battery & electronic circuits

- Large Test & Hush button for testing /silencing nuisance alarm from steam etc.
- Battery deactivation feature included, to disable alarm at end of life.
- Each alarm individually serial numbered; may be useful for audit purposes

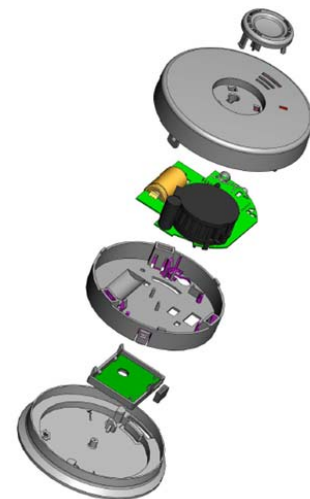
or the alarm. If cleaning does not return the alarm to normal operation, the alarm must be replaced.

S/N: 1 0 0 0 2 5

- Separate **base plate** once installed to prevent tampering



35mm wide



Installation:

Comprehensive fixing/siting instructions included.
[also available as pdf from web site]

Avoid dead air spaces as detailed in manual and minimum distance recommendations from sources of steam. Do not install in an area where the temperature may fall below 0°C (32°F) or rise above 40°C (104°F),

Supplied with:

Fixings + screws; Sticky pads are available as an accessory.
Separate base plate, which can be affixed to ceiling first.
Owner's manual



Alarm Benefits:

Silent Low Battery warning Signal:

We know how annoying it is to have a smoke alarm start beeping in the middle of the night, indicating the battery will soon need replacement.

Or imagining that you hear something go beep in the night!

The European Smoke Alarm Standard (BSEN 14604), requires alarms to beep for 30 days, once a minute, when battery voltage drops to a certain level, & normally associated with it approaching the end of its life.

This designed so that the user either changes the batteries, or in the case of a sealed in alarm like this one, changes the alarm.

However, very low temperatures can also cause this on a temporary basis ie when the battery still has plenty of service life left.

Colder Winters:

Kidde's **Ten4 silent alert** designed in a feature that will be a **real benefit when** low ambient temperatures occur as forecast for **the winter of 2011**, which may cause low battery voltage mechanisms to activate, whilst the low temperatures remain. *Typically this stops when the properties heating comes on.*

Energy costs; Fuel Poverty Implications:

Additionally with ever increasing energy prices, it may not just be the elderly on low incomes, those in **fuel poverty** etc who decide to only heat one or two rooms in their property.

Alarms are often sited in hallways & bedrooms which may now remain unheated.

Kidde's innovation is to introduce an additional visual alert, 60 days before the alarm needs changing; additional red led flashing will give the user an early indication, but without the audible alert.

The reason why alarms may beep in the small hours, is that the low temperatures that may occur at this time will drag the battery temperature down and therefore, its voltage; by the time the heating is operating, the battery and its voltage will have moved above its low battery voltage threshold.

Reduced sounder output when initially pushing Test Button:

When in alarm, the sounder emits an 85dB warning and why ideally you should cover your ears when standing close to the alarm, and pressing the TEST button.

With the new Ten4 alarm from Kidde, for the first 4 seconds you press the Test Button, a reduced level sound will be emitted, and then ramp up to the full 85dB after that.

In alarm state it will always sound at full level.

Compact Size:

Feedback received clearly shows that users expect electronic products in the home to be both smaller than in the past, yet to have more features. At just over 4" wide the **Ten4** alarm meets that requirement.

Electrical Rating/Operating Range:



80mA max per alarm

0 deg C to 40.

Flame retardant plastic UL certified

R Humidity up to 85%

Packaging/Dimensions:

104mm x 41mm (Depth)

Weight, 105 gms; inc carton, manuals, fixings: 135gms Optical.

Packed in cartons; outers of 6

1 Pallet= 260 cases or 1560 units

Type selection/Guarantee:

For maximum protection fit one alarm per floor, giving priority to sleeping areas.

Optical alarms are best at detecting slow smouldering fires eg cigarette in furnishings; this type of alarm is also known as "photo electric".

Support:

Kidde will meet your Best Value criteria. *Alarms are made in our own ISO 9000 factory.*



Customer Support Help Line available to solve any issues that may arise post installation; if we cannot solve on phone, a new replacement will be mailed with a Freepost jiffy bag for return of the old alarm.

Fire Brigades will be issued with our **freephone** number (Usable from UK & Eire) for clients to use should any queries arise during ownership.

Kidde Safety Europe Ltd
Mathisen Way, Colnbrook, SL3 0HB, UK
Tel: +44 0 1753 685148 fax: 685096.
<http://Ten4.kiddefyrnetics.co.uk>