Testing the Alarm
Press and release the test button to test the alarm. The alarm should sound three times with a flashing red light then stop.

After testing check that the red light flashes approximately every minute. Test the alarm once a week to ensure correct operation.

WARNING: The electronic test button provides a full test of the alarm's functionality. Do not try to test the alarm using either heat, smoke, or naked flame as damage will occur.

6. USER INFORMATION

Protect your Home Against Fire
Contact you local Fire Brigade for a home safety check, this information is free and will identify potential fire hazards in and around your home.

Make sure all occupants of the home know what a fire alarm sounds like. Prove and practise a fire escape plan and arrange a suitable and safe assembly point.

What to Do if the Alarms Sound
Alarms sounds are as follows:

Full alarm indicating smoke and fire	Repeating series of 3 beeps every 4 seconds with flashing light	••• ••• ••• •••
Low battery	Single beep every minute	• • • •
Test button jammed	One beep every 11 seconds	• • • •
Fault	Double beep every minute	•• •• •• ••

Ensure everyone leaves the building as soon as possible.
- Do not run.
- Do not stop to collect belongs.
- If it is safe to do so, close all windows and doors as you escape to prevent the spread of fire.
- Smoke is the main cause of death from fire. If trapped inside the building, cover your mouth, conserve breath and crawl to safety.

Do not silence a fire alarm until you know the cause of the alarm and when all occupants are safely outside the building.

7. ALARM MAINTENANCE

A regular program of fire alarm maintenance will help to keep your alarm in good working order.

- Test the alarm monthly making sure that all interconnected alarms in the system sound within 10 seconds.
- Vacuum the alarms every six months and wipe them with a damp cloth.
- Do not paint the alarm.

A smoke alarm is a sensitive life-saving device. The life of this alarm can be significantly reduced by adverse environments, incorrect location and a failure to regularly clean and maintain it according to the instructions. Incorrect location and a lack of reasonable care may also cause it to malfunction and will invalidate the warranty.

8. TROUBLESHOOTING

The battery will last 10 years and is not replaceable. At the end of its life the alarm will beep once every minute for a minimum of one month.

The life of the battery can be significantly shortened by periods of storage or use in temperatures below 5°C or above 30°C. It will also be shortened by frequent or extended periods in full alarm often caused by conditions such as cigarette smoke, steam, aerosol spray and condensation. In these circumstances the warranty will be void.

If this happens at night you can press the test button to silence the battery warning for 10 hours. Replace the alarm as soon as possible.

Problems are indicated in five ways:

- The alarm beeps twice every minute indicating a malfunction.
- The alarm beeps once every minute indicating a low battery.
- The full alarm sounds for no reason. (A repeating series of three beeps with flashing light)
- The alarm does not sound when pressing the test button.
- The test button light remains steadily on or off. (i.e. does not flash approximately once every minute, when the unit is not in alarm)

Inspect for obvious damage. Check that the alarm has been installed in accordance with the instructions. In the case of repeated nuisance alarms, check that it is free from dust, cobwebs and external contamination from such things as cigarette smoke, drying paint, spray from household aerosols and steam that will ultimately shorten the life of the alarm and invalidate the warranty.

If this does not correct the problem, do NOT attempt to repair. There are no user serviceable parts internally. If the smoke alarm is within the warranty period and terms, indicate the nature of the problem and return the unit with proof of purchase to the address at the end of this manual. Units beyond warranty cannot be economically repaired.

9. PRODUCT WARRANTY

UltraFire guarantees to you, as a purchaser, that the enclosed fire alarm will be free from defects in material, workmanship or design under normal use and service for a period of 10 years.

This Guarantee is not assignable. Our liability to you, under this guarantee is limited to repairing or replacing any part which we find to be defective in material, workmanship or design, free of charge to the customer, upon sending the alarm with proof of date of purchase, postage paid to UltraFire, 33 West Street, Alford, Lincolnshire, LN13 9FX, United Kingdom. The terms of this guarantee will not apply in the following circumstances: If the alarm has been modified, dismantled, contaminated, damaged, neglected or otherwise abused or altered following the date of purchase, or if it fails to operate due to incorrect siting, installation, maintenance or inadequate or over voltage AC electrical power, or damage caused by failure to abide by the instructions supplied. It is specifically drawn to the users attention that substantial periods in alarm will shorten alarm life, during which time the fire alarm will have provided valuable protection; no Claim under the guarantee will be entertained.

The liability of UltraFire, arising from the sale of this alarm or under the terms of this guarantee shall not in any case exceed the cost of replacement of the alarm. In no case, shall UltraFire be liable for consequential loss or damage resulting from the failure of the alarm or the breach of this or any other guarantee, express or implied or for damage caused by failure to abide by the instructions supplied.

This guarantee does not affect your statutory rights.

UltraFire
33 West Street, Alford, Lincolnshire, LN13 9FX, United Kingdom
Telephone: 0800 978 8262
Email: support@ultra-fire.co.uk

UltraFire
ULLS10 2797-CPR-749677
BS EN 14604: 2005 KM 623822

DOC 1303 - V1.3

10 Year Battery Life
10 Year
10 Year Battery Life

Optical Smoke Alarm

UltraFire

USER MANUAL

ULLS10 OPTICAL SMOKE ALARM

1. ULLS10 PRODUCT OVERVIEW

All UltraFire Photoelectric type smoke alarms are approved to EN14604-2005, the most recent and rigorous European Smoke Alarm Standard. The unique X-Profile Photoelectric sensing chamber is particularly sensitive to slow smouldering fires typically originating in living rooms, bedrooms and hallways whilst being highly resistant to nuisance alarms.

The alarm and sealed-in battery are guaranteed for the 10-Year life of the product, including routine weekly testing. However, its life can be significantly reduced by adverse environments, incorrect location and a failure to regularly clean and maintain it according to the following instructions. Incorrect location and a lack of reasonable care may also cause it to malfunction and will invalidate the warranty.

Product Features

- Sealed in 10 year battery.
- Approved to EN14604:2005, Smoke alarm devices.
- Unique X-Profile detection chamber with insect screen.
- Bespoke software maximises detection ability, false alarm rejection and Alarm Silence operation.
- Power automatically switched on as a detector is installed onto its mounting plate and automatically switched off when detector is removed.
- Red LED flashes approximately every minute confirming unit is receiving power and ready to detect fire conditions. (Quiescent Mode)
- Low Battery Warning - End of alarm life, alarm gives one beep every minute.
- Low Battery Warning Silence - Low battery warnings often start at night.
- Silence the audible warning for ten hours by pressing the test button, thus avoiding removing the alarm from its mounting plate. The alarm can then be replaced when convenient the following day.
- Extra Large Test Button for ease of use, tests sensitivity, circuitry, battery and alarm sounder.
- Loud 85 Decibel Piezo Electric Alarm - Automatically resets when hazardous condition has passed and chamber is clear.
- Alarm Silence - Silence your smoke alarm by momentarily pressing the test button. Ideal in non-emergency situations where nuisance alarms may have been created, for example, by steam. The red light flashes every 12 seconds to remind you that the smoke alarm has been silenced and will automatically reset to quiescent mode in 10 minutes.
- Approved for use in Leisure Accomodation Vehicles.

2. CHOICE AND LOCATION OF ALARMS

Photoelectric (Optical) Smoke Alarms are best for sensing smouldering fires and are therefore most suitable for rooms containing soft furnishings, carpets bedding and clothes, such as hallways, living rooms and bedrooms.

Heat alarms are most suitable for kitchens, boiler rooms workshops and garages where dirt and dust contaminate smoke alarms causing nuisance alarms and in some cases a failure to detect a fire early.

NOTE: When installing heat alarms in living and working accommodation they should always be interlinked to smoke alarms and should not be used in escape routes from the building.

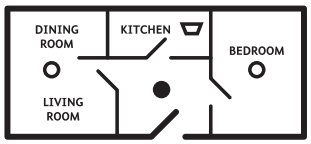
Ionisation Type Smoke Alarms are best at detecting fast flaming fires such as loose burning paper; however their operation can be significantly delayed the farther they are from the source of the fire and smoke, according to recommendations in BS5839 pt 6.

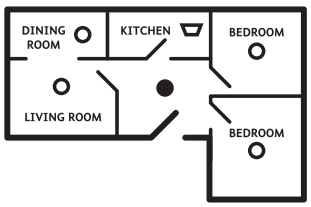
Unless there is significant risk of fast clean burning fires in a particular area, photoelectric alarms are recommended by that standard for living accommodation where most fires are started by electrical equipment and smouldering material such as soft furnishings, clothing, curtains and carpets.

For minimum protection install at least one smoke alarm in the escape route from each floor of your home and within 3 metres of all bedroom doors, see diagrams.

Recommended siting of smoke and heat alarms in:

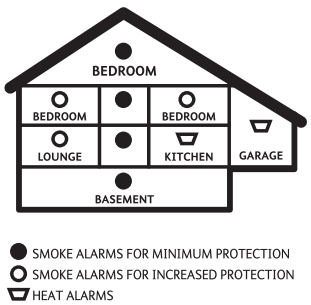
SINGLE STOREY HOME WITH ONE SLEEPING AREA

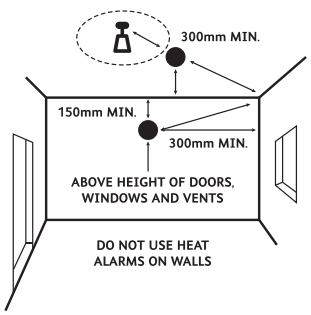




SINGLE STOREY HOME WITH TWO SLEEPING AREAS

MULTIPLE STOREY HOME WITH MULTIPLE SLEEPING AREAS





Recommended position of alarms in a room, corridor or escape route:

Recommended position of alarms on apex ceilings:

3. AVOID THE FOLLOWING LOCATIONS

The life of this alarm can be significantly reduced by adverse environments, incorrect location and a failure to regularly clean and maintain it according to the following instructions. Incorrect location and a lack of reasonable care may also cause it to malfunction and will invalidate the warranty.

1. Do not locate near fans or extractors. These can pull smoke and heat away from the alarms.

2. Do not install in or near high humidity areas such as showers, bathrooms or kitchens where humidity levels exceed 85% or the room temperature exceeds 40° or falls below 0°C. These may cause nuisance alarms and damage the detector.

3. Do not install in the peak of an 'A' frame or sloping ceiling. This may delay smoke and heat reaching them due to the presence of dead air.

4. Do not install less than 300mm from walls and light fittings when mounted on the ceiling where heat and dead air may prevent smoke reaching the alarm.

5. Do not install in insect infested areas.

6. Do not install in areas subjected to heavy concentrations of cigarette smoke that will cause nuisance alarms and the alarm to become contaminated.

7. Do not install smoke alarms in kitchens, boiler rooms and garages where fumes and dust may cause nuisance alarms.

8. Do not install on poorly insulated walls and ceilings where cold air boundary layers could prevent smoke reaching the alarm.

9. Do not install near objects that could prevent smoke and heat reaching the alarm.

10. Do not install within 1500mm of fluorescent light fitting that could trigger nuisance alarms.

11. Do not paint the alarm.

The location of the alarms must be in accordance with applicable building regulations. Further help and guidance can also be found in BS5839 part 6.

4. FURTHER DETAIL ON ALARM LOCATION

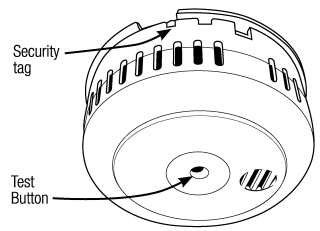
Details

1. At least one smoke alarm should be installed in the escape route on all floors of the building.
2. The detection element of smoke alarms should be between 25mm and 600mm below the ceiling, or in the case of heat alarms between 25mm and 150mm.
3. Smoke and heat alarms should be at least 300mm from any wall or light fitting.
4. If ceiling mounting is impractical smoke alarms may be installed on walls provided that the area is no longer or wider than 10 metres and the total area does not exceed 50m2 and that:
   a. The detection element is between 150mm and 300mm below the ceiling.
   b. The bottom of the detection element is above openings such as vents, doors and opening windows
   c. They are not mounted close to or above heaters or air-conditioning vents.
5. Where smoke alarms are located in a hallway, corridor or landing, the alarm should be no further than three metres from any bedroom door to assist audibility behind closed doors.
6. No point on the ceiling in any room, hallway or corridor should be further than 7.5 metres from any smoke alarm.
7. Heat alarms should not be used in escape routes from the building. Where used in other areas, heat alarms should be no more than 5.3 metres from other heat or smoke alarms.
8. Do not install heat alarms in sleeping areas; for example, bedrooms, nurseries, playrooms or areas where the elderly and disabled may spend long periods of time.
9. Do not install heat alarms on walls.
10. To give the earliest warning of a developing fire, smoke and heat alarms (as appropriate) should be installed in all rooms of your home and interlinked.

5. INSTALLATION PROCEDURE

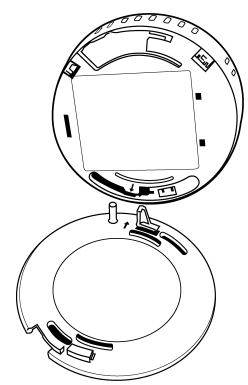
Do not store alarms in temperatures below 5°C and above 30°C; this may cause beeping and nuisance alarms when first installed. These will clear after a short time when the alarm has become acclimatised. Extended periods under these conditions will reduce the life of the alarms and invalidate the warranty.

Separate the alarm from the mounting plate. The product is shipped with the batteries disconnected and the mounting plate loose. If the product has been activated prior to installation, depress the small security tag, located in the side wall as shown here and turn the alarm clockwise while holding the mounting plate.



Select desired location, refer to the Section above. You need to ensure surfaces do not contain hazardous materials e.g. asbestos. Screw fittings are suitable for use on wood, plaster and plasterboard but on other surfaces such as concrete adhesive material or adhesive pads may be better. For certain applications, the installer may need to source own fixings. Screw the mounting base to ceiling using the fixings provided. You may also use two half-moon shaped and double-sided fixing pads available from UltraFire. Alternatively, you may use any proprietary builders fixing adhesive normally used to fix skirting boards and other light building components to walls etc. When using the pads or adhesives make sure the surfaces are flake free, clean, dry and flat.

Take care to use all appropriate Health and Safety precautions when fixing the mounting plate and alarm to their surface - in particular use appropriate access equipment, protect yourself from dust and wear eye protection. Line up the arrow on the back of the alarm with the arrow inside the mounting plate and mount the alarm.



Once the alarm is on the mounting plate twist it clockwise to lock it into place until the security tag clicks in to place. The sealed in battery will be automatically switched on and the alarm powered up.