

DIAGRAM 1

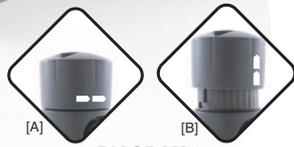


DIAGRAM 2

WARNING - Batteries: Insert batteries (+/-). Keep away from children. Do not swallow, open, recharge or expose to water, fire or high temperature: may explode, leak and cause damage.

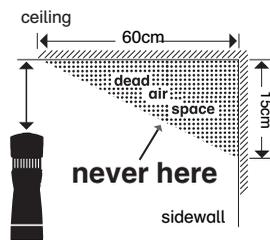


DIAGRAM 3

Distance to smoke chamber no more than 30cm (1 foot)

FlareSafe has been designed, developed and tested to pass stringent safety requirements. This unique device is manufactured using military-grade plastics, and has advanced battery management software. Let us know what you think of it at flarebrands.com.

GENERAL INFORMATION

Avoid leaving FlareSafe where it may be subject to extremes of temperature, ingress of dust, etc. If you intend to store it for any length of time, you should remove all of the batteries.

FlareSafe contains a magnet. Therefore do not place it near items that might be affected by magnets, and do not place it near strong magnets.

FlareSafe is water-resistant at all times, except when the smoke detector is armed.

ASSEMBLY: Unscrew the unit at the torch end. FlareSafe will separate allowing you to insert the three batteries. Make sure the batteries are inserted with the correct polarity (+/-) observed (see Diagram 1).

RE-ASSEMBLY: Align the Guide Fin with its corresponding slot. The 3-pin plug will automatically engage with the 3-pin socket. Screw the unit a quarter turn until it is secure. Do not over-tighten the unit. Be careful not to lose the thin black O-ring, as this creates the waterproof seal.

When replacing the AA alkaline batteries, always replace both at the same time and use batteries from a reputable manufacturer. After fitting the batteries, and every time that you replace exhausted batteries, you should test the unit to ensure all of its functions are working properly.

IN-BRIEF OPERATING GUIDE (SEE BACK COVER FOR GRAPHIC INSTRUCTION - DIAGRAM 4)

1 SMOKE DETECTOR: Arm smoke detector by twisting rear cap, which will pop up. You will hear one BEEP.

2 SOS ALARM: Push buttons D1 and D2 at the same time. To turn off the alarm wait 2 seconds then press

buttons D1 and D2 simultaneously, holding them down for 2 seconds.

3 TORCH: Push button D1 for torch functions.

SMOKE DETECTOR

The smoke detector is only armed when you set it. Our advice - set it every time you go to bed. The software in FlareSafe has been designed to improve the long term reliability of the smoke detector. It does this by recalibrating the smoke chamber every time the smoke detector is armed. This helps to minimize 'nuisance' alarms.

SETTING THE SMOKE DETECTOR - To arm the smoke detector, twist the rear cap anti-clockwise [A - see Diagram 2]. The rear cap will pop up and expose the smoke chamber underneath [B]. At the same time, you will hear the unit BEEP once. That single BEEP sound tells you it is armed.

When armed, FlareSafe checks for smoke every five seconds. If it detects increasing amounts of smoke for more than 15 seconds then it will sound the alarm.

To disarm, push the cap down and twist the cap clockwise until you feel it lock into position. The rear cap now covers the smoke chamber, and the unit will not detect smoke until you arm it again. Note that you will NOT hear a BEEP when you disarm the smoke detector. We recommend that each week you routinely test the smoke detector for correct operation by arming it and ensuring it BEEPs once.

PLACEMENT - Smoke rises, so place your armed FlareSafe as close as possible to the ceiling (see Diagram 3), but not in corners because smoke avoids corners (dead air space) or more than 30cm (one foot) below the ceiling. Use the lanyard to secure FlareSafe in position.

Maintain a clear space around your armed FlareSafe. To avoid 'nuisance' alarms, do not place it closer than 45cm (1.5 feet) of the following: vents used for forced air heating and air conditioning; ceiling fans and other high airflow areas; bathrooms which contain a bathtub or shower (this can generate excessive humidity or steam); fluorescent lights. Do not place your armed FlareSafe inside your mosquito net.

If FlareSafe's smoke detector goes off, assume there is a fire. Do not panic - those who panic in fires are far more likely to die. Leave your possessions, raise the alarm, alert others, and get out fast. In the event of an alarm, ensure that someone in authority contacts the local fire brigade. Most fire victims die from smoke inhalation. Smoke and heat rise and force oxygen to the floor, so keep low.

WHAT WILL HAPPEN IN A FIRE? - When your armed FlareSafe detects a fire, the siren will sound. At the same time the torch will automatically switch on to full beam. The smoke detector siren emits a repeating sequence of 4 high pitched BEEPs followed by a pause. To turn off the siren, push down the rear cap, and twist it clockwise. The rear cap will lock into place, and the siren will switch off. The torch light will remain ON, allowing you to find your path away from the fire. To turn OFF the torch light, push button D1 until the light has turned OFF. The torch light will automatically turn OFF after 30 minutes.

FlareSafe uses an optical smoke chamber to detect smoke. FlareSafe has passed the key fire and smoke tests in the rigorous British Safety standard BS 5446-1:2000. If the smoke detector fails to operate correctly, you should seek advice from FlareBrands Limited. The lanyard contains important instructions and therefore is an integral part of the smoke detector. It should not be removed.

TROUBLE-SHOOTING

"My FlareSafe didn't make a BEEP sound when I armed it. Why not?"

Answer: The BEEP sound lets you know that the unit is armed and ready to detect smoke. If ever it does not make a BEEP sound, you must assume that the unit has NOT armed itself.

Solution 1: Disarm the unit by pushing the rear cap down and twisting it clockwise until it clicks into place. Leave the unit for ten seconds, then re-arm the unit. It should now BEEP.

Solution 2: If Solution 1 does NOT work, then the lithium battery AND the AA batteries are exhausted. Open the unit and replace all three batteries with fresh batteries. Test to ensure the unit now works properly.

"My FlareSafe made seven BEEP sounds when (or shortly after) I armed it/makes a BEEP sound every 20 minutes when armed. Why?"

Answer: FlareSafe monitors the level of power left in the back-up battery, the lithium CR123A. If it detects that this battery is running low on power, you will hear seven BEEP sounds. (You will also hear seven BEEPs if you install the lithium battery the wrong way round.) You will hear seven BEEPs the first time it detects this condition, and every subsequent time that you arm the smoke detector. FlareSafe will also emit a single BEEP approximately every 20 minutes when the smoke detector is armed if it detects that the lithium battery is running down.

Solution: Remove the lithium battery, and replace with a fresh battery from a reputable manufacturer. Test to ensure the unit now works properly.

"Why does my FlareSafe siren keep going off when the smoke detector is armed, but there is no evidence of a fire?"

Answer: If the siren sounds you should always assume there is a fire, and you should always evacuate the building. However, once a thorough check has been made, consider where you positioned the armed FlareSafe. Excessive dust in the smoke chamber may cause this, although the advanced software means that is unlikely to be the reason.

Solution: Re-arm FlareSafe and reposition it carefully so that it is not too close to any of the above items that might accidentally set it off.

SOS ALARM

There are two buttons [D1 and D2] on the main body of the unit (see Diagram 4). If you are attacked, then press both of these at the same time. This will set off the piercing siren and automatically activate the torch strobe. The SOS alarm siren emits a shrill continuous noise. To turn off the SOS alarm, wait two seconds then push and hold down buttons D1 and D2 at the same time for two seconds. You can activate the SOS alarm at any time, even when the smoke detector is armed.

The rear button [D2] is also useful as a locating device, or 'SoundFlare'. If you wish to sound the unit to let someone see/hear where you are, then simply hold down the rear button. The alarm will sound and the torch light will strobe for as long as the button is held down.

NOTE: You may notice the pitch wavering when you set off the smoke or SOS alarm. This is normal - it is simply the sounder finding its natural pitch. **WARNING:** The siren is extremely loud, so when familiarizing yourself with these functions make sure you test the alarm outside, at arm's length, and with the sounder facing away from you, otherwise you risk damaging your hearing.

TROUBLE-SHOOTING

"The SoundFlare [button D2] does not work?"

Answer: The SoundFlare siren and strobe will not work when the smoke detector is armed.

Solution 1: Disarm the smoke chamber by pushing the rear cap down and twisting it until it clicks into place. Now operate the SoundFlare.

Solution 2: If all three batteries are exhausted, none of the torch functions will work. Remove the exhausted batteries and replace with fresh batteries from a reputable manufacturer. Test the unit to make sure it is working properly.

"The SoundFlare light flashes, but there is no siren sound. Why?"

Answer: The AA batteries are exhausted, and the unit will only run certain emergency functions off the back-up lithium CR123A battery. It will allow the SoundFlare to flash, but will not power the siren for the SoundFlare.

Solution: Replace both AA batteries with fresh batteries from a reputable manufacturer. Test the unit to make sure it is working properly.

"The SOS distress siren has gone off, and I can't turn it off. Why not?"

Answer: The SOS alarm siren is activated by pressing both buttons [D1 and D2] on the body at the same time. It is designed so that the only way to turn off the siren is to wait two seconds then push and hold down buttons D1 and D2 at the same time for two seconds.

Solution: Wait two seconds, then push and hold down buttons D1 and D2 at the same time for two seconds.

LED TORCH

To turn on the torch, push button D1.

The torch has four settings (approximate battery life in brackets): ON at full power (10 hours); ON at low power to conserve energy (50 hours); ON strobing alert [frequency 1Hz] to signal distress (100 hours); and OFF. If the torch is on any setting for more than five seconds, the next push of D1 will turn it OFF.

The torch uses four white LED bulbs - LEDs are robust, very efficient, and last for around 100,000 hours. It has a 20 metre effective range and a two kilometre signal visibility. **WARNING:** Do not shine the torch directly into your eyes or the eyes of others as it may cause injury.

TROUBLE-SHOOTING

"Why won't the torch turn ON?"

Answer: The two AA batteries may be drained. The software will only allow the lithium battery to power the torch in the emergency modes.

Solution: Open the front, remove the two AA batteries and replace with a fresh set of AA batteries from a reputable manufacturer.

FIRE SAFETY - Please download the comprehensive and free Fire Safety Guide on our website - knowing what to do in a fire could save your life.

PERSONAL SAFETY - FlareSafe should not be relied upon as the sole means of preventing attack - use it along with precautionary measures that reduce risks. Carry FlareSafe ready for use whenever you go out; plan your route/journey; tell someone where you are going; use well-lit roads; avoid badly-lit short cuts, deserted stations, etc; wear appropriate clothing; be alert; and trust your instincts.

POWER INFORMATION - The two 1.5V AA alkaline batteries power the unit. The 3V lithium battery (CR123A) is purely a back-up for the emergency functions. Under normal circumstances the device is solely powered by the two AA batteries. When you notice the torch light getting rapidly dimmer, you should be ready to replace the two AA batteries ONLY. Once the two AA batteries are exhausted, the LED torch and the siren aspect of the 'SoundFlare' will not function until both AA batteries are replaced. This should be done immediately.

As part of the safety design, the lithium battery will take over full operation of the emergency functions - namely the smoke detector, the SOS alarm and the strobing aspect of the SoundFlare - until you replace both AA batteries. This means FlareSafe will work as normal in an emergency, assuming you activate it. If you replace the exhausted AA batteries promptly, the lithium battery will last several years.

TECHNICAL DETAILS - Optical scatter smoke detector has passed the key fire and smoke tests contained in BS 5446-1:2000. LED torch with four white LEDs (11,000-15,500 mcd each). Sounder (Piezo type): SOS alarm - measured at 110dB at source (sweep frequency 12Hz). Smoke detector - measured at 90dB at 3m (pulsed output: 0.25s ON [4 sweeps] with a 0.5s period). Power: Two AA type batteries (1.5V each) and one lithium CR123A battery (3V). FlareSafe has passed EMC testing. Casing - glass-infused ABS.

GUARANTEE Our guarantee is to repair or replace your device if it is found to be defective due to faulty materials, workmanship or function within one year of purchase. It is your obligation to provide proof of purchase and to supply us with the defective device. It shall be our decision whether or not to repair or replace your device at our sole discretion.

This guarantee will not cover devices for fair wear and tear, accidental damage, faults caused by negligence, misuse or neglect or for any use other than strictly in accordance with any instructions or guidance provided by us. Furthermore, this guarantee shall not cover you for any use of this device other than use for its intended purpose. The guarantee will also not cover you where any maintenance or repairs have been made to the device by any third party other than ourselves or any party authorised to do so by ourselves. Any devices or parts of devices replaced by us will become our property.

DISCLAIMER Nothing in this disclaimer shall limit or exclude liability for death or personal injury caused by FlareBrands Limited's negligence or any other liability which by law FlareBrands Limited cannot limit or exclude and your statutory rights shall remain unaffected.

Subject to the above, FlareBrands Limited's liability shall not exceed the cost of the replacement of the relevant device and in no case shall FlareBrands Limited be liable for indirect or consequential loss or damages in relation to a device or for breach of any warranty, express or implied, even if the loss or damage is caused by FlareBrands Limited's negligence.

NOTE The product enclosed may differ in appearance from that on the packaging, as FlareBrands Limited is continuously engaged in making improvements to our products.

