BANDIT

The World leader in Security Fogging

Some information about the *BANDIT*

By selecting the **BANDIT 240DB** security fogging system, you have chosen the fastest solution for protecting your business stock and equipment from unwanted intruders or attempted theft.

The **BANDIT 240 DB** consists of a self contained steel enclosure measuring 270 mm width x 365 mm height x 255 mm depth. Visually, the **BANDIT 240 DB** looks very similar to a stereo loudspeaker unit.

The unit is installed on a purpose made mobile support trolley, which allows portability and flexibility of system placement. This means the unit can be placed in a specific location within your premises to provide targeted and effective protection, and then simply moved to a storage location when not required.

When intruders are detected within your premises, the **BANDIT**'s patented high pressure system is capable of instantly delivering dense, visually impenetrable fog at the incredible rate of 28 cubic metres per second. An average sized shop, office or showroom of 140 cubic metres would take just 5 seconds to fill! We are proud to proclaim the **BANDIT 240 DB** as being the fastest system of its kind in the world.

The ejected fog is almost the same as that used in the entertainment industry, only much thicker and produced faster. It has no effect on health, and may be used where computers, photographic equipment, other electrical and electronic equipment, foodstuffs, clothing, etc. are present, although it is recommended that young children and persons suffering from claustrophobia, extreme stress sensitivity and severe asthmatic conditions should avoid staying in the fog as a precaution. Apart from a recommended routine annual check, the **BANDIT 240 DB** is essentially maintenance free.

The **BANDIT 240 DB** can be installed either as a "stand alone" unit, or it can be connected to an existing intruder alarm system. It requires the presence of 1 or a number of separate signal indications to instruct the unit to proceed to "fog ejection" mode, depending on the configuration and requirements.

Your **BANDIT Security Fogging System** will have been configured to your specific needs and requirements, depending on the circumstances relevant to the premises requiring protection.

For further information regarding the **BANDIT** security fogging system, contact your dealer or **BANDIT UK LIMITED.**

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BANDIT 240 DB
(Version 3)

Security Fogging System

Users Guide

Version 3.5

Another *BANDIT* product supplied by:

BANDIT UK LIMITED (Technical Dept.)
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8 Hardwick Avenue
Chepstow
Monmouthshire
NP16 5DJ

Sales Enquiries:	**0844 5577 870**
Fax:	**0844 5577 871**
Technical Support:	**07775 612514**

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Front Indicator Lights

It is very rare for the **BANDIT** to malfunction. However, it would be prudent to check the status of the **BANDIT** on a regular basis (*e.g.* when setting your intruder alarm, once a week, *etc.*). To do this, note the status of the front panel indicator LED's as per the following list.

OK - Permanently ON - **BANDIT** switched ON and operational
Flashing – **BANDIT** is warming up or error reported (see "Failure" light)

Guard - *Guard* mode is activated - When this light illuminates, it means the **BANDIT** has received a signal to enter *"Guard"* mode, which places it into an "armed and ready" condition. In other words, the unit is primed, ready to eject fog should it subsequently receive a confirmed *"Alarm"* signal

Alarm - *Alarm* mode is activated - When this light illuminates, it means the **BANDIT** has received a confirmed *"Alarm"* signal, which will cause the unit to eject fog immediately for a pre-determined time (this time is set during installation, depending on the volume of the area to be protected).

Panic - *Panic* mode is activated - When the *"Alarm"* light flashes, it means the
(Alarm flashing **BANDIT** *has* received a signal to enter *"Panic"* mode, it will cause the unit to eject fog immediately for a pre-determined time (this time is set during installation, depending on the requirements), whether the unit is in *"Guard"* mode or not.

Failure - Internal error (fuse blown, over-temperature, etc.) (Flashes in sympathy with "OK" light – please note number of times the Failure light flashes, as this information may be useful to your **BANDIT** supplier)

HY-3 - Flashing – low **HY-3** fluid, replace **HY-3 Pack** as soon as possible (c. 12 seconds of fog expulsion remaining). At the same time the **BANDIT** will transmit a "Failure" signal to the intruder alarm panel. *NB: this will not flash when the **BANDIT** is in Guard mode, to prevent advertising this fact to the outside world.*

Power ? - Mains power supply interrupted, or fuse blown. **BANDIT** can still produce fog for up to 2 hrs. and the internal electronics will function for 24 hrs.

- If the *"Failure" or "HY-3"* LED is illuminated or flashing, or a "failure" or "tamper" notification is shown on your alarm panel, contact your **BANDIT** supplier immediately. Your Efficacy Insurance protection may be affected if this is not reported without delay.

- If the *"Power ?"* LED is illuminated, first check mains power supply is present (*e.g.* there may have been a power cut, or main fuse blown) – await reconnection of supply. If power supply is OK but *"Power ?"* LED is still illuminated, contact your supplier immediately.

Important note when using Panic Attack Buttons to activate the *BANDIT*:

If Panic Attack Buttons are installed in order to instruct your intruder alarm system and/or the **BANDIT** to activate in "Panic" mode, the standard configuration of these items is that they lock themselves on once operated (indicated by the presence of a small window on the face of the button unit, that turns red when operated). It should be noted that, once activated, the **BANDIT** will subsequently be unable to make further fog ejections until the Panic Attack Button(s) are "unlocked" back to normal, using the small key provided with them, and then operated again if necessary.

Post Activation

The Bandit is designed in such a manner that when installed and operated correctly in typical working conditions, it leaves no residue following a fog ejection caused by a break in. However, in very exceptional circumstances such as multiple, successive activations normally caused by faulty intruder alarm system sensors, no ventilation for many hours after activation or where fast flowing, re-circulating air conditioning systems are operating, residue can occur. If this should occur, the resultant fine deposit is however minimal and harmless and can be easily removed using a clean cloth dampened with a little water and detergent.

The ejected fog has no effect on health, although it is recommended that young children and persons suffering from claustrophobia, extreme stress sensitivity and severe asthmatic conditions should avoid staying in the fog as a precaution.

Typically the fog will remain in a protected area for anywhere between 20 to 45 minutes or more depending on the size of vent generated by the intruder in proportion to the size of the room filled with the fog. In an area with no ventilation the fog will typically remain for an hour or more before dispersing and evaporating away.

Recommendations

Air conditioning and fan units **must** be turned off during hours when the **BANDIT** is being used to provide the required protection. Failure to do so could substantially reduce the **BANDIT's** effectiveness and will invalidate efficacy insurance provided by Bandit UK Ltd. Following a fog activation, dispersal is assisted by opening doors and windows. Creating a through draught will allow the fog to disperse even quicker. In cases of false alarms where a room may not be vented at all, it is recommended that upon attendance the key holder vents the room at the earliest opportunity.

HY-3 Fluid Cylinder Replacement Ordering Procedure

Once the **BANDIT** indicates the **HY-3 Fluid** is low (identified by the flashing **"HY-3"** light, as explained above), the **HY-3 Cylinder** will require replacement at the earliest opportunity to ensure full protection is maintained. At this point, there will still be enough fluid remaining for the **BANDIT** to produce one further fog ejection, if required.

Orders for replacement **HY-3 Refill Cylinders** should be placed with your **BANDIT** supplier – for further information regarding the **BANDIT** security fogging system, contact your dealer of **BANDIT UK LIMITED**.

Do's and Don'ts for the *BANDIT 240 DB*

To ensure your **BANDIT 240 DB** system is able to operate effectively when required, there are a few simple checks to be regularly carried out and environmental criteria to be familiar with:-

- Do ensure that air conditioning and fan units are always turned off during hours when the **BANDIT** is being used so as to provide the required protection.
- Do not place any objects within ~ 6 metres directly in front of the unit (stacked boxes, shelving, cupboards, etc.). Any such objects create an obstruction for the ejected fog and might reduce effective dispersion within the area to be protected.
- Do not place any objects immediately next to, or touching, the unit. Good airflow around the **BANDIT** is required to maintain efficiency of the internal heat exchanger.
- Do not expose the unit to rain or moisture.
- Keep heat sources (radiators, heating elements, *etc.*) away from the unit. Above 50° C the system may malfunction.
- During and immediately after a fog ejection the front ejection nozzle can become very hot. Avoid direct contact with the nozzle until it has cooled down (minimum 2 minutes).
- Only use a clean, damp cloth to clean the outside of the unit. DO NOT use volatile fluids or cleaning chemicals such as alcohol, thinners, petrol or spirit.
- Don't forget to reset any Panic Attack Button that may have been operated at the time of a "Panic" activation.