

# DEFENDER

DETER-DETECT-DEFEND

Defender is a compact and cost-effective security fogging device powered by 12VDC. Producing a unique blue fog to differentiate it from smoke, the devices are very quick and simple to install and are easy to integrate into an existing alarm system.

The units come with a canister and spare canister as standard so the system can be immediately re-armed after any activations.



## Key features include:

- 12VDC supply and highly energy efficient
- Compact and lightweight design – between 8 and 34kg lighter than competitors
- Unique blue fog for differentiation from smoke
- Boxed and ready to install
- Up to 10 units can be linked together for greater coverage
- Easy to integrate into existing alarm systems
- Saturation area up to 100m<sup>3</sup> in 25 seconds
- Comes with replacement canister
- No maintenance contracts
- European manufactured, with CE mark

## Recommended applications:

- Back-offices
- Remote locations
- Transportation
- Warehouses
- Storage areas
- Loading bays
- Cash offices
- Vulnerable access points
- Vaults & strong room protection
- Home garages
- Outbuildings
- Fallow locations

Contact us for more information

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## Technical Data

Time of smoke	25 Secs
Saturable volume	Max 100m <sup>3</sup>
Power supply	Not included / Power can be by alarm system
Activation voltage	1.5 – 12 VDC
Ignition impulse (guaranteed activation)	2.5 mJ / Ohm
Current (4mSec) for guaranteed activation	2 Ampere
Safe current 0.36 A (max 5 minutes)	0.36 A
Dimensions (mm)	110 x 190 x 130 (W x H x D)
Weight	Canister 400 grams / Housing 905 grams
Operating temperature	-20°C / +75°C
Relative humidity with seal	90%
Fog colour	Blue
Housing colour	White

This device has been designed to comply with BS/EN 50131-10-2014 paying particular attention to tamper detection, mounting and documentation. For further information please contact us.

## Comparison with competitor products

Technical Data	Defender	FOS Pro	FOS Easy	Fog Bandit 240	Bandit 320
Saturable volume	100m <sup>3</sup>	600m <sup>3</sup>	200m <sup>3</sup>	6m in first 2 secs in 60° spread	
Power supply	Not Included / Power can be by alarm system 12v	Mains 240v	Mains 240v	Mains 240v	Mains 240v
Dimensions (mm)	110 x 190 x 130 (W x H x D)	305 x 190 x 390	395 x 200 x 272	270 x 365 x 255	197 x 410 x 145
Weight	1.3kg	15kg	10kg	35kg	9kg
Fog colour	Blue	White	White	White	White
Heat Up Time	N/A	90mins	40mins	50mins	30mins
Power Consumption	12 volts (4 mSec @2 amps)	40W	40W	40W Hr	23W Hr



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