600i™ - 1100i™ - 2200i™

Intelligent security fog protection.
Flexible with high performance

PROTECT 600i™, 1100i™, 2200i™

Each model is designed for a different room size – from small office premises to large warehouses. Performance ranges from 290 to 2875 m^3 of fog, and each product is adjustable to its specific task. Please note the turbo function on model 600i™, yielding a full 600 m^3 of fog in only 30 seconds! Model 2200i™ is also the world's most powerful anti-burglary Fog Cannon™ in the world. All three Fog Cannons come with a pulse function, ensuring efficient fog-level maintenance after the first discharge.

After heating up, the power consumption of the Fog Cannons only corresponds to that of an ordinary light bulb. On-site servicing is quick and easy – no Fog Cannon™ disassembly required. PROTECT™ represents high-quality Fog Cannons produced in Denmark, tested and approved by international test institutes and compliant with EU norm EN 50131-8.

The technical features of this series enable the Fog Cannons to yield up to 117% more fog in the same time frame as previous models.

Sturdy fluid container with XTRA$^+$ fog fluid: Extra white and dry fog with very extended dissipation time. Quick and easy replacement without fog fluid spillage.

Four optional nozzles available for the i-series, depending on the task. The cabinet is made from impact-proof metal and is available in white and black.

Scan the code with your smartphone to view a demonstration video of a PROTECT Fog Cannon™!

600i™ - 1100i™ - 2200i™

Specifications:

	PROTECT 600i™	PROTECT 1100i™	PROTECT 2200i™
Performance (fog generation), examples:	30 sec. TURBO: 600 m³ (300*) 60 sec.: 700 m³ (350*) 60 sec. with 9-min. pulse: 1700 m³ (850*)	60 sec.: 1300 m³ (650*). 60 sec. with 4-min. pulse: 1700 m³ (850*)	60 sec.: 2700 m³ (1350*) 70 sec.: 2875 m³ (1435*) 60 sec. with 10-min. pulse: 3700 m³ (1850*)
Fog generation settings:	Can be timed at 3 intervals from 290-700 m³	Can be timed at 4 intervals from 500-1300 m³	Can be timed at 4 intervals from 900-2875 m³
Total capacity (full fluid container):	Approx. 4800 m³	Approx. 4800 m³	Approx. 13200 m³
Fluid container:	1,1 litres	1.1 litres	3 litres
Electronic fluid measurement:	Yes	Yes	Yes
Number of 60-sec. shots in one container:	7	4	5
Pulse function:	Yes, able to shoot several times	Yes, able to shoot several times	Yes, able to shoot several times
Mains connection:	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Power consumption:	1050 W	1350 W	1680 W
Standby consumption after heating up:	60 W (on average)	70 W (on average)	80 W (on average)
Standby consumption when heat is disabled:	5-10 W	5-10 W	5-10 W
Heating time from cold:	15 min.	25 min.	30 min.
Re-heating time after fog discharge:	0-5 min.	0-8 min.	0-14 min.
Operating temperature (min./max.):	5/80°C.	5/80°C.	5/80°C.
Input:	5 signals	5 signals	5 signals
Output:	3 signals	3 signals	3 signals
Control settings for fog time, signals and heating:	On/off DIP switches	On/off DIP switches	On/off DIP switches
Battery backup (2 x 12 V, 1.2 Ah):	Backup of electronics and pump	Backup of electronics and pump	Backup of electronics and pump
Power backup after power failure:	Up to 3 hours	Up to 3 hours	Up to 3 hours
Built-in automatic battery testing:	Yes	Yes	Yes
Signals/Indications:	Optical, audible and electrical	Optical, audible and electrical	Optical, audible and electrical
Status indicator on PCB:	Yes	Yes	Yes
External status indicator:	Yes, red/yellow/green LED	Yes, red/yellow/green LED	Yes, red/yellow/green LED
Data log memory:	Possible with IntelliSuite™	Possible with IntelliSuite™	Possible with IntelliSuite™
Dimensions (mm):	L: 475, W: 332, H: 154	L: 475, W: 332, H: 174	L: 633, W: 352, H: 172
Installation weight:	12.6 kg	16 kg	24.8 kg
4 different angled nozzles and nozzle extension options:	Yes	Yes	Yes
Available in the following colours:	White and black	White and black	White and black
Tested and approved in accordance with EN 50131-8:	Yes	Yes	Yes

Printing errors excepted. Subject to changes to technical data. *M³ in accordance with applicable EU norm EN 50131-8.

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FOQUS™

Compact Fog Cannon™ for very small rooms.
Includes unique pulse function

PROTECT FOQUS™

This Fog Cannon™ is the smallest and most compact in the product series. It is designed for security fog protection in small rooms up to 25 m^2. Its flexible settings enable it to cover rooms as small as 8 m^2. Unique pulse function enables long-term fog-level maintenance in the room.

Thanks to its compact and lightweight design, FOQUS™ is well suited for server rooms, bank vaults, ATM rooms and small domestic rooms and offices.

After heating up, FOQUS™ consumes less power than an ordinary light bulb.

FOQUS™ uses XTRA$^+$ fluid, producing a dense, white and impenetrable fog that lingers in the room for a long time.

FOQUS™ has a power consumption of 700 watts and only needs 7 min. to get ready after power connection.

The fluid container contains enough for 20 discharges. This container is also used in models 600/600i/1100 and 1100i. Quick and easy replacement without fog fluid spillage.

FOQUS™ has two nozzle options: Straight and 30°. The cabinet is made from impact-proof metal and is available in white.

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FOQUS™

Specifications:

PROTECT FOQUS™

Fog generation: Rooms up to 25 m²	**Input:** 5 signals
Fog production settings: Three possible durations (8, 16 and 25 m²)	**Output:** 3 signals
Pulse mode: Yes, can shoot several times (3 settings)	**Control settings for fog time, signals and heating:** On/off DIP switches
Fog fluid container: 1.1 litre (same as model 600/600i and 1100/1100i)	**Battery back up (2 x 12 V, 1.2 Ah):** Electronics and pumps
Shots per container: Min. 20	**Power backup after power failure:** Up to 1 hour
Electronic fluid measurement: Yes	**Built-in automatic battery loading:** Yes
Mains connection: 230 V, 50 Hz z	**Signals/Indicators:** Audible, optical, and electrical
Power consumption: 700 W	**PCB status indicator:** Yes
Standby consumption (after warm up): 55 W	**Data log memory:** Yes, optional with IntelliSuite™
Standby consumption (when heat is disabled): 5 – 10 W	**Dimensions (mm):** L: 400, B: 240, H: 135
Warm-up time from cold: 7 min.	**Installation weight:** 7 kg
Warm-up time after fog discharge: ½ – 3 min.	**Possibility of 2 different angled nozzles:** Yes (straight ahead and 30˚)
Operation temperature (min./max.): 5/80˚ C.	**Metal casing colour:** White

Printing errors excepted. Subject to changes to technical data.

Scan the code with your smartphone to view a demonstration video of PROTECT FOQUS™.

QUMULUS®

Elegance and efficient security in one.
For private residences and exclusive offices

PROTECT QUMULUS®

Extra attention has been given to the exterior details – without compromising on the quality and reliability inside. QUMULUS® is of the same high standard as all the other PROTECT™ Fog Cannons, but this unit is specifically designed for private residences and offices where elegant and aesthetic design is a priority.

QUMULUS® includes flexible setting options, allowing you to dose the fog as required. Despite its slender design, the Fog Cannon™ will quickly cover a living room of up to 50 m². Like all other PROTECT® Fog Cannons, QUMULUS® also includes pulse functions to extend the time of optimum fog in the room.

QUMULUS® uses XTRA⁺ fluid, producing a dense, white and impenetrable fog that lingers in the room for a long time. The fluid container contents are sufficient for four full discharges and can be easily and quickly replaced by the user.

In addition to blending well with modern interior design, QUMULUS® is also designed for environmentally conscious consumers. It has a power consumption corresponding to that of a regular light bulb, and only when the alarm is connected.

QUMULUS® is designed for private residences and will quickly cover a large living room of 40-50 m².

The 0.4 l fog fluid bag can be easily replaced by the user. QUMULUS® is delivered with fluid and a straight nozzle.

QUMULUS® boasts elegant design and thus elevates the Fog Cannon™ standard – but it is still exceptionally efficient in the event of burglary.

UNBEATABLE FOG SECURITY

PROTECT®

QUMULUS®

Specifications:

PROTECT QUMULUS®

Performance (fog generation):	60 sec.: 400 m³ (200*)
Fog generation settings:	Can be timed at 3 intervals from 140 – 400 m³
Total capacity (full fluid bag):	1800 m³
Fluid bag:	0,4 litres
Electronic fluid measurement:	No
Number of 60-sec. shots in one bag:	4
Pulse mode:	Yes, can shoot several times (2 sittings)
Mains connection:	230 V, 50 Hz
Power consumption:	1050 W
Standby consumption after heating up:	60 W (on average)
Standby consumption when heat is disabled:	5-10 W
Heating time from cold:	8-10 min.
Re-heating time after fog discharge:	0-5 min.
Operating temperature (min./max.):	5/80˚ C.
Input:	5 signals
Output:	2 signals
Control settings for fog time, signals and heating:	On/off DIP switches
Battery backup:	Yes. Please notice: QUMULUS® is delivered without batteries
Power backup after mains connection loss:	Up to 1 hour (requires batteries, which are not delivered as standard).
Signals, indicators:	Yes, optical, audible and electrical (Note: No signal for low fluid level)
Status indicator on PCB:	Yes
External status indicator:	No
Data log memory:	Possible with IntelliSuite™
Dimensions (mm):	L: 580 x B: 140 x H: 148
Installation weight:	8 kg
Possibility of 2 different angled nozzles:	Yes, straight ahead and 30˚
Compatible with PROTECT's nozzle extension:	No
Metal casing colour:	White

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Security Sounder™

Stun the burglar's senses.
Unbearable noise stops the burglar!

PROTECT Security Sounder™

A siren is a discreet, but extremely efficient protection device which, particularly in combination with PROTECT's Fog Cannons and PROTECT Security Strobe™, provides the ultimate burglary protection the first seconds after a burglary. PROTECT Security Sounder™ emits an unbearable, but harmless, noise that attracts attention and forces the burglar to flee.

PROTECT Security Sounder™ has integrated rechargeable battery, suitable for all AIA panels, vandalism-proof with impact-resistant front and is for both wall and ceiling mounting. Intensity: 120 dB.

Can you steal while holding your fingers in the ears?

The siren is perfect in combination with fog protection.

A PROTECT Security Sounder™ puts the burglar under stress at the maximum!

UNBEATABLE FOG SECURITY

PROTECT®

Security Sounder™

Specifications:

PROTECT Security Sounder™

Acoustic intensity:	120 dB (A)
Power connection:	12 V, 1 A
Rechargeable:	Yes, integrated, rechargeable battery
Function time:	30 sec. – 8 min. (5 settings)
Delay:	Available (3 settings)
Dimensions (cm):	L: 40.5 x D: 4.2 x W: 15.9
Weight:	2 kg
CE marked	

We reserve the rights to modify due to misprint or changes in the technical data.

Security Strobe™

Stun the burglar's senses.
Strobe lights stop the burglar

PROTECT Security Strobe™

A strobe is a discreet, but extremely efficient protection device which, particularly in combination with PROTECT's Fog Cannons and PROTECT Security Sounder™ (siren), provides the ultimate burglary protection the first seconds after a break-in.
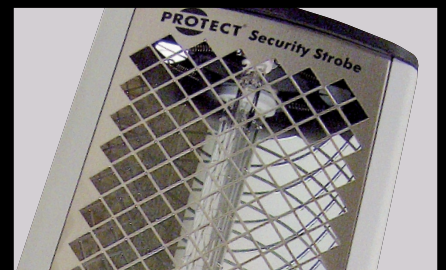
PROTECT Security Strobe™ puts extra pressure on burglars by emitting fast, annoying flashes, shocking even a hardened burglar. The burglar is put under maximum pressure and will escape the same way he came in.

Who can steal anything with both hands covering their eyes?

The strobe is perfect in combination with security fog protection.

A PROTECT Security Strobe™ helps to put maximum pressure on the burglar.

Security Strobe™

Specifications:

PROTECT Security Strobe™

Power consumption:	1100 W
Flash frequency/performance (recommended):	4-6 flashes per sec.
Mains connection:	230 V, 50 Hz
Input:	Galvanically isolated optocoupler. 9-15 VDC, 12 VDC/7 mA
Standby consumption:	< 5 W
Weight:	5 kg
Dimensions:	L: 40.5 x D: 8.0 x W: 16.0
Bracket for easy installation	
CE marked	

Printing errors excepted. Subject to changes to technical data.

Scan the code with your smartphone to view a demonstration video of the PROTECT Security Strobe™!