ONE MODEL FOR EVERY NEED

The Defendertech Fog Cannons range is the most complete on the market, consisting of three different control electronic versions and four power sizes.

❯ FOUR POWER SIZES

DT-200 (up to 200 m³), **DT 401/400/400Lan** (up to 415 m³),
DT 801/800/800Lan (up to 830 m³), **DT 1601/1600/1600Lan** (up to 1660 m³)

BASIC SERIES > DT-200 DT-400 DT-800 and DT-1600
Essential Fog Cannons rich in electronic functions for maximum versatility
of interfacing with any alarm control panel.

LAN SERIES > DT-400Lan DT-800Lan and DT-1600Lan
Fog Cannons with Ethernet connectivity, totally manageable remotely, both individually and in groups
with dedicated software for control rooms.
Equipped with internal safety timer and different levels of protection from accidental triggering.

AUTONOMOUS SERIES WITH INTEGRATED ALARM CONTROL PANEL > DT-401 DT-801 and DT-1601
ALL IN ONE fog cannons, able to manage all types of sensors in full autonomy, do not need to be connected
to traditional alarm control units.
Fully programmable and expandable with a rich optional electronic equipment.

HYBRID SERIES EX-i50 / EX-i100 / EX-i200 and EX-i50.L / EX-i100.L / EX-i200.L
Dual Use Automated Devices: Anti-theft + Sanitizer.
Capable of automatically switching from Anti-theft mode to Sanitizer mode, allowing you
to protect environments from theft and viruses, in a simple and immediate way.

VEHICULAR SERIES
Fog Cannons designed for the protection of vehicles: security carriers vans, freight trucks, taxis, etc.

❯ MAXIMUM INSTALLATION VERSATILITY

Thanks to the complete line of mechanical accessories available for the whole Defendertech range:
- Various directional nozzles for optimal fog orientation
- Nozzle extensions up to **50 cm** `UNIQUE`
- Kit to **hide the fog cannon behind the wall** and make it invisible
- Kit to protect **2 rooms with only 1 fog cannon** `UNIQUE`

❯ FREE REMOTE MANAGEMENT SYSTEM

Innovative tool that allows you to remotely manage all the Defendertech / Extrafog / Sanytech devices,
of the LAN series, both individually and in groups. Arm-disarm, check anomalies, liquid level,
set automatic timers and much more, wherever you are from your PC.

❯ AUTONOMOUS ACCESSORIES

All devices are equipped with 12V output, with which it is possible to power external sensors, radio kits or home automation, to make them completely independent from the alarm control panel.

❯ LOWER MAINTENANCE COST

- Liquid with **no expiry date**, it does not contain alcohol or solvents
  (characteristics that make the liquids of other brands volatile and subject to expiration)
- Easily **refillable tank** at any time
- Tests can be carried out **with water instead of liquid**;
  avoid unnecessary saturation of homes and shops during testing
- One shot has an average cost of **2 euros** (retail price)
- Standard backup battery, easily available for independent purchase. No extra costs for custom batteries.

KEY FEATURES

- ✔ 100% Made in Italy
- ✔ **The only one with double Function: Anti-theft + Sanitizer** **NEW**
- ✔ **Vehicle version available for vehicle protection** **NEW**
- ✔ Ready response Customer support
- ✔ Maximum versatility of installation interface and handling
- ✔ Different levels of protection from accidental triggering
- ✔ Ready settings for network connectivity
- ✔ Fast and reliable communication protocol
- ✔ **Free Management Software to manage one or more LAN line devices,** **UNIQUE** **wherever you are, comfortably from a PC**
- ✔ Integrates with third party software
- ✔ Automatic pump maintenance function
- ✔ **Exclusive post-shot / anti-drop system (no drip or residue)**
- ✔ Nozzle extensions up to 50 cm
- ✔ Kit to **hide the fog cannon behind the wall** and make it invisible
- ✔ Kit to protect **2 rooms with only 1 fog cannon** (Front and Back Shot) **UNIQUE**
- ✔ Easily **refillable tank** at any time
- ✔ Liquid with **no expiry date**
- ✔ One shot has an average cost of **2 euros** (retail price)
- ✔ Several Fog Shots available: within 5 to 7 minutes for total releases
- ✔ Dense, Heavy and Persistent Fog
- ✔ Ready to fire in 10/20 minutes from completely cold (stand-by)
- ✔ Consumes only when armed, average electrical absorption max 45 W/h **UNIQUE**
- ✔ Standard backup battery easily available everywhere
- ✔ Capable of firing after 1 hour of power failure
- ✔ Boiler GUARANTEED for 5 YEARS
- ✔ Cold cover even with active device
- ✔ Compliance with standard EN 50131-8
- ✔ **NON-FLAMMABLE Liquid and Fog, the tank WILL NEVER DETONATE**
- ✔ **Non-dangerous liquid** certified by the National Poison Control Center
- ✔ **100% SAFE fog** on people, animals and objects. Does not contain solvents.
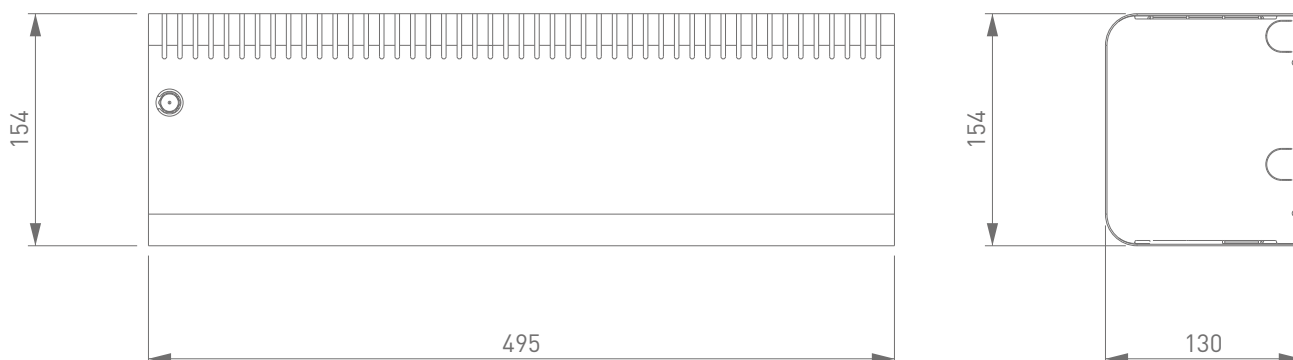
CHARACTERISTICS AND PERFORMANCE	DT-200 Turbo recommended for 25 sqm H3
Volume saturated with each shooting cycle	25 sqm h.3 - 200 m³ in expansion
Fog shooting time	Adjustable from 1 - 30 sec.
Forced pause time between one shot and the next one	Adjustable from 0 to 5 minutes
Total delivery time achievable	7 shots of 30" (with full tank)
Warm-up time	10 to 15 minutes
Tank capacity	0,5 Lt. (Refillable)
Response time	5 Ms
Burner power supply	220 Volts
Electronic part power supply	12 Volts
Rated power absorbed when starting	500 Watts only for the first 10/15 minutes
Power absorbed in stand-by	12V 5mA
Power absorbed during the shot	12V 4Watt
Average hourly energy consumption	40w/h only when "Armed"
Autonomous 12V power supply stage (can be integrated inside)	Yes, "DT-power200" optional
Integrable backup battery	Yes, "DT-power200" optional
Autonomy of the burner in the absence of electricity	Within 1 hour it can carry out a 60 second shot
Failure reporting system	Yes (visual) + 5 wired outputs
N.O./N.C.Input	1 for heating activation and 1 for shot activation
N.O./N.C. Output	5 for Battery status - Fault - Liquid level - Heating - Armed on/off on/off
Directional nozzles for optimal fog orientation	2 models: 1x45° adjustable and already installed - 1x0° optional
Nozzle extensions	Front and rear, from 200mm to 500mm (DT-U200P - DT-U500P)
Types of possible installations	Wall-Floor (horizontal / vertical) - Ceiling with optional DT-SP2
Weight	8 Kg with full tank
Dimensions	L.495 x H.150 x Sp.130 mm
Color	White Ral 9010

DIMENSION

154 | 495 | 154 | 130

White Ral9010

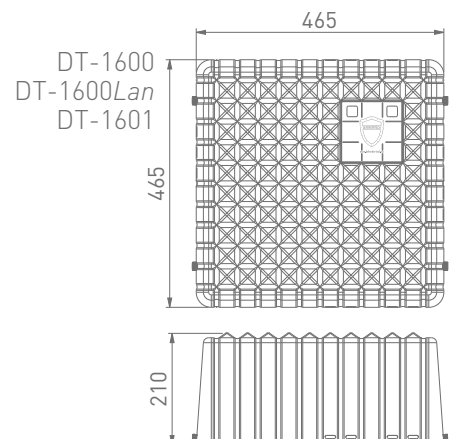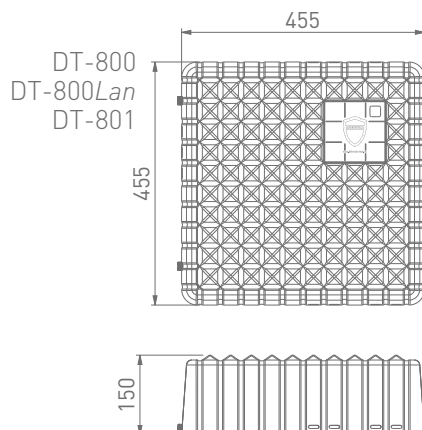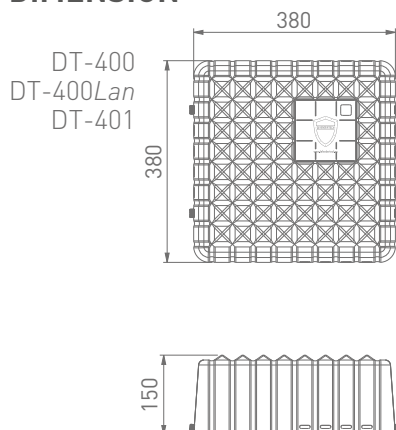● CHARACTERISTIC PRESENT   ○ CHARACTERISTIC NOT PRESENT

* The manufacturer reserves the right to make changes to the technical specifications of the device

DEFENDERTECH FOG CANNONS DATA SHEET
Basic Version

CHARACTERISTICS AND PERFORMANCE	DT-400 recommended for 50 sqm H3	DT-800 recommended for 100 sqm H3	DT-1600 recommended for 200 sqm H3
Volume saturated with each shooting cycle	50 sqm h.3 - 415 m³ in expansion	100 mq h.3 - 830 m³ in expansion	200 mq h.3 - 1660 m³ in expansion
Fog shooting time	1-40 sec.	1-60 sec. (120 sec in pulses)	1-60 sec. (120 sec in pulses)
Forced pause time between one shot and the next one	1 to 60 minutes	1 to 60 minutes	1 to 60 minutes
Total delivery time achievable	5 minutes (with full tank)	6,5 minutes (with full tank)	6,5 minutes (with full tank)
Total saturable volume	2.075 m³ (with full tank)	4.980 m³ (with full tank)	9.960 m³ (with full tank)
Warm-up time (from completely cold)	Max. of 25 minutes	Max. of 12 minutes	Max. of 12 minutes
Response time	200 Ms	200 Ms	200 Ms
Power supply	220 Volts	220 Volts	220 Volts
Rated power absorbed when starting	600 Watts	1750 Watts (reducible to 50%)	3500 Watts (riducible to 25-50-75%)
Average hourly energy consumption	40 w/h	45 w/h	50 w/h
Power absorbed in stand-by	120 mA	120 mA	120 mA
Dimensions	492×290×150 mm	554x310x150 mm	460x460x205 mm
Integrable backup battery	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)
Autonomy of the burner in the absence of electricity	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot
Failure reporting system	Yes	Yes	Yes
Liquid level reporting system	Yes	Yes	Yes
Anti-opening protection tamper	Yes	Yes	Yes
12V DC output for external sensors	500 mA	500 mA	500 mA
Color	White, Silver, Gold, Anthracite	White, Silver, Gold, Anthracite	White, Silver, Gold, Anthracite
Weight	10 Kg with full tank	14 Kg with full tank	22 Kg with full tank
Tank capacity	0,5 Lt	1,5 Lt	3 Lt
OPTIONALS			
Dual mode option: Anti-theft + Sanitizer **NEW**	●	●	●
8 nozzles for the orientation of the fog shot: 1×0° 1×45° 1×90° 2×45° 3×0° 3×45° 2×0°2×0°/45°	●	●	●
Nozzle extension, adjustable length from 200 to 500 mm	●	●	●
Deviation Kit, to hide the fog cannon behind the wall and make it invisible	●	●	●
Splitting kit, to divide the fog jet, 50% passes through the wall behind the device and 50% in front (covering 2 adjacent rooms)	●	●	●
ELECTRONIC FUNCTIONS			
Event log saved on the device	○	○	○
"Safe Shot" function (double consent is required to shoot)	○	○	○
Automatic update of date and time, referring to two programmable NTP web servers	○	○	○
"Arming lock" function of the appliance on a programmable time slot	○	○	○
Monitoring, activation and programming of the device through the Web (LAN)	○	○	○
Physical outputs for signaling: status, liquid level, boiler ready, shooting in progress	● (2)	● (2)	● (2)
3 different levels of access password protected that can be modified	○	○	○
Unlimited Tank function (allows you to extract the fluid from larger tanks)	●	●	●
INPUTS - OUTPUTS - SIGNALS			
1 input for fog cannon activation (arm)	●	●	●
Programmable "N.C.-N.O. AND-OR" inputs for firing activation	● (1)	● (1)	● (1)
Programmable relay outputs for signaling the liquid level / failure of the appliance	● (2)	● (2)	● (2)
O.C. outputs to signal "burner ready / firing in progress"	○	○	○
6 LED lights that signal operations / failures	●	●	●
1 coded acoustic signal to signal operations / failures	●	●	●
1 ethernet connector for remote monitoring and management of the appliance	○	○	○

DIMENSION

DT-400
DT-400*Lan*
DT-401
380 / 380 / 150

DT-800
DT-800*Lan*
DT-801
455 / 455 / 150

DT-1600
DT-1600*Lan*
DT-1601
465 / 465 / 210

DEFENDERTECH FOG CANNONS DATA SHEET
Ethernet Version

CHARACTERISTICS AND PERFORMANCE	DT-400Lan recommended for 50 sqm H3	DT-800Lan recommended for 100 sqm H3	DT-1600Lan recommended for 200 sqm H3
Volume saturated with each shooting cycle	50 sqm h.3 - 415 m³ in expansion	100 mq h.3 - 830 m³ in expansion	200 mq h.3 - 1660 m³ in expansion
Fog shooting time	1-40 sec.	1-60 sec. (120 sec in pulses)	1-60 sec. (120 sec in pulses)
Forced pause time between one shot and the next one	5 to 20 minutes	5 to 20 minutes	5 to 20 minutes
Total delivery time achievable	5 minutes (with full tank)	6,5 minutes (with full tank)	6,5 minutes (with full tank)
Total saturable volume	2.075 m³ (with full tank)	4.980 m³ (with full tank)	9.960 m³ (with full tank)
Warm-up time (from completely cold)	Max. of 25 minutes	Max. of 12 minutes	Max. of 12 minutes
Response time	200 Ms	200 Ms	200 Ms
Power supply	220 Volts	220 Volts	220 Volts
Rated power absorbed when starting	600 Watts	1750 Watts (reducible to 50%)	3500 Watts (riducible to 25-50-75%)
Average hourly energy consumption	40 w/h	45 w/h	50 w/h
Power absorbed in stand-by	120 Ma	120 Ma	120 Ma
Dimensions	380×380×145 mm	450×450×145 mm	465×465×205 mm
Integrable backup battery	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)
Autonomy of the burner in the absence of electricity	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot
Failure reporting system	Yes	Yes	Yes
Liquid level reporting system	Yes	Yes	Yes
Anti-opening protection tamper	Yes	Yes	Yes
12V DC output for external sensors	500 mA	500 mA	500 mA
Color	White, Silver, Gold, Anthracite	White, Silver, Gold, Anthracite	White, Silver, Gold, Anthracite
Weight	10 Kg with full tank	14 Kg with full tank	22 Kg with full tank
Tank capacity	0,5 Lt	1,5 Lt	3 Lt
OPTIONAL			
Dual mode option: Anti-theft + Sanitizer **NEW**	●	●	●
8 nozzles for the orientation of the fog shot: 1×0° 1×45° 1×90° 2×45° 3×0° 3×45° 2×0°2×0°/45°	●	●	●
Nozzle extension, adjustable length from 200 to 500 mm	●	●	●
Deviation Kit, to hide the fog cannon behind the wall and make it invisible	●	●	●
Splitting kit, to divide the fog jet, 50% passes through the wall behind the device and 50% in front (covering 2 adjacent rooms)	●	●	●
ELECTRONIC FUNCTIONS			
Event log saved on the device	●	●	●
"Safe Shot" function (double consent is required to shoot)	●	●	●
Automatic update of date and time, referring to two programmable NTP web servers	●	●	●
"Arming lock" function of the appliance on a programmable time slot	●	●	●
Monitoring, activation and programming of the device through the Web (LAN)	●	●	●
Physical outputs for signaling: status, liquid level, boiler ready, shooting in progress	● (4)	● (4)	● (4)
3 different levels of access password protected that can be modified	●	●	●
Unlimited Tank function (allows you to extract the fluid from larger tanks)	●	●	●
INPUTS - OUTPUTS - SIGNALS			
1 input for fog cannon activation (arm)	●	●	●
Programmable "N.C.-N.O. AND-OR" inputs for firing activation	● (2)	● (2)	● (2)
Programmable relay outputs for signaling the liquid level / failure of the appliance	● (2)	● (2)	● (2)
O.C. outputs to signal "burner ready / firing in progress"	● (2)	● (2)	● (2)
6 LED lights that signal operations / failures	●	●	●
1 coded acoustic signal to signal operations / failures	●	●	●
1 ethernet connector for remote monitoring and management of the appliance	●	●	●

COLORS DT400/800/1600

Gold

Silver

Anthracite

White

DEFENDERTECH CANNONS DATA SHEET
Hybrid Version - Dual Use BASIC OR ETHERNET `NEW`

CHARACTERISTICS AND PERFORMANCE	DT-i400 DT-i400.Lan recommended for 50 sqm H3	DT-i800 DT-i800.Lan recommended for 100 sqm H3	DT-i1600 DT-i1600.Lan recommended for 200 sqm H3
Volume saturated with each shooting cycle	50 sqm h.3 - 415 m³ in expansion	100 mq h.3 - 830 m³ in expansion	200 mq h.3 - 1660 m³ in expansion
> For other features see the **BASIC** or **ETHERNET Version** table			
FEATURES AND PERFORMANCE OF THE SANITIZER MODE			
Volume saturated with the delivery of enriched steam	30 m² h.3 - 90 m³ in 80 seconds (immediately replicable)	60 m² h.3 - 180 m³ in 100 seconds (immediately replicable)	120 m² h.3 - 360 m³ in 100 seconds (immediately replicable)
> To find out more about the Sanitization method, request the SanyTech Sanitizers Technical Data Sheet			
OPTIONAL			
> See the **BASIC** or **ETHERNET Version** table			
ELECTRONIC FUNCTIONS			
> See the **BASIC** or **ETHERNET Version** table			
INPUTS - OUTPUTS - SIGNALS			
> See the **BASIC** or **ETHERNET Version** table			

DEFENDERTECH FOG CANNONS TECHNICAL DATA SHEET
Alarm Version with integrated alarm control panel

CHARACTERISTICS AND PERFORMANCE	DT-401 Recommended for 50m² H3	DT-801 Recommended for 100m² H3	DT-1601 Recommended for 200m² H3
Volume saturated with a 60 seconds shot	50 m² h.3 - 415 m³ in expansion	100 m² h.3 - 830 m³ in expansion	200 m² h.3 - 1660 m³ in expansion
Duration time of 1 fog shot	1-60 sec. + Maintenance function	1-60 seg. + Maintenance function	1-60 seg. + Maintenance function
Time of each forced pause	1 to 60 minutes	1 to 60 minutes	1 to 60 minutes
Total time of all shots	5 minutes (with full tank)	6.5 minutes (with full tank)	6.5 minutes (with full tank)
Total volume saturated performing all shots available with a full tank	2.075 m3 (with full tank)	4.980 m3 (with full tank)	9.960 m3 (with full tank)
Fog Maintenance function	Yes, with programmable shots	Yes, with programmable shots	Yes, with programmable shots
Heating time	Max 25 minutes	Max 12 minutes	Max 12 minutes
Reaction time	200 Ms	200 Ms	200 Ms
Power supply	220 Volt	220 Volt	220 Volt
Nominal power consumed when starting	600 Watt	1750 Watt (reducible to 50%)	3500 Watt (reducible to 25-50-75%)
Management of electricity consumption	Yes, smart and configurable	Yes, smart and configurable	Yes, smart and configurable
Power absorbed in stand-by phase	120 mA	120 mA	120 mA
Device measurement	380×380×145 mm	450×450×145 mm	465×465×205 mm
Built-in backup battery	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)
Autonomy of the boiler in the absence of electric current	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot
Bug reporting system	Yes	Yes	Yes
Liquid level indicator	Yes	Yes	Yes
Anti-opening protection tamper	Yes	Yes	Yes
12V DC output for external sensors	500 mA	500 mA	500 mA
Colors	White, Silver, Gold, Anthracite	White, Silver, Gold, Anthracite	White, Silver, Gold, Anthracite
Weight	10 Kg with full tank	14 Kg with full tank	22 Kg with full tank
Tank capacity	0,5 Lt	1,5 Lt	3 Lt
Capacità serbatoio	0,5 Lt	1,5 Lt	3 Lt
OPTIONALS			
Dual use option: anti-theft + sanitizer	●	●	●
8 nozzles for the orientation of the fog shot: 1×0° 1×45° 1×90° 2×45° 3×0° 3×45° 2×0°2×0°/45°	●	●	●
Nozzle extension, with adjustable length from 200mm to 500mm	●	●	●
Redirection Kit, the shot passes through the wall where the device is installed	●	●	●
Splitting Kit, 50% of the shot goes to the back and 50% to the front (to protect 2 adjacent rooms with only 1 device)	●	●	●
FUNCTIONALITY OF THE INTEGRATED ALARM CONTROL UNIT			

6 inputs / 2 relay outputs + 2 open collectors for home automation applications / event log / USB port for programming via PC with proprietary software / Canbus communication ports for connection of optional peripherals / Daily, weekly, holiday timer for programming / Wide possibility of creating macros, actions, events / "Contact id" protocol to communicate with the surveillance (GSM-GPRS)/ Teleservices and updates of firmware, system and peripherals

ELECTRONIC OPTIONALS

GSM-GPRS card / Lan card to interact with the entire system / Integrable siren / 8in + 4out expansion (3OC, 1 relay) / speech synthesis module / Radio module for sensors and remote controls (handles up to 64 radio peripherals 433-868 MHz) / Bi-directional dual frequency remote control / External keypad with proximity RF key reader / Radio motion sensors, volumetric sensors, infrared motion detector / Radio switch, transmitter and magnetic contact / pulse counter for use with shutter sensors

THE FOG CANNON

NON
EXPLOSIVE
FLAMMABLE
TOXIC
CORROSIVE
ENERGYINTENSIVE

THE SECURITY AT 360°

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