Foggy

Anti-burglar and anti-robbery fogging system

STOP

BREAKS and BURGLARS in 5 minutes

micronix®

Foggy

The new solution of AVS Electronics to protect your properties. Foggy can create a fog-effect in few seconds, making absolutely impossible to move inside the rooms and obliging the intruder to look for an immediate way out. Foggy, in addition to a burglar alarm system completes the efficiency of the detection with an "active" protection of the site.

The fog generated creates a natural disorientation which prevents the intruders from completing the intrusion. The long experience of AVS Electronics and the know-how acquired in the field of the intrusion prevention, has allowed to develop a system of control activating and managing Foggy only in case of real need. The continuous monitoring of the system keeps the liquid level, the heater temperature, the batteries status and the mains presence under control.

QUICK ROBBERIES OR BURGLARS OFTEN CAUSE WORSE DAMAGE THAN THE BURGLAR ITSSELF. FIGHT THEM WITH AVS SECURITY FOG.

HARMLESS FOR PEOPLE AND PROPERTIES

The fog of Foggy is absolutely harmless and is suitable in residential, commercial, industrial and military applications. Ideal to protect sensitive and value properties such as the goods of jewelries, electronics and informatics shops and warehouses. The fog disperses without leaving any residual . Deep controls made at specialized test laboratories grant that this effect is harmless.

DURATION OF THE FOG EFFECT
Foggy can saturate a room of 200 m³
in only 20 secondsm the density of the fog produced, requires about 20/30 minutes of fresh air to return to complete visibility. In order to obtain a long-lasting fog effect, it is possible to enable a special function activating a maintaining pulsed delivery.

200 m³ = 20"

FOGGY AS ANTI-ROBBERY
The electronic board features a radio receiver integrated.
By acquisition of a **remote control BIP,** it is possible to command directly the activation of Foggy making it especially suitable for the anti-robbery function.
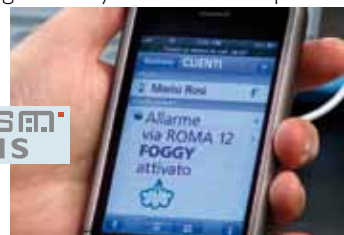
FOGGY WITH ANY ALARM SYSTEM

Foggy can be the natural complement to any alarm system installed. It has predisposition of a certain number of inputs allowing to interface it to any kind of control panel. Foggy has one arming input available allowing to check the status of on/off of the control panel, in order to be granted that it cannot be activated at disarmed system. Furthermore a double consent is present to avoid not desired working in case of false alarm of the alarm system. E.g.: the pre-alarm can be activated using the relay of the control panel and connect the input of the real alarm to an autonomous detector in the area protected by Foggy. Further to these inputs, Foggy has some control dedicated open collector outputs available. **The display integrated on board informs about the system status in real time.**

GSM CONNECTION

It is possible to monitor the system status and to receive technical information of control via SMS, thanks to the GSM connection obtained by the optional module XGSM directly connectable to FOGGY.

FOGGY WITH AVS ELECTRONICS ALARM SYSTEMS

Foggy need a **RS485** connection allowing communication to the AVS Electronics systems. By simply 4 wires it will be possible to have the complete management of Foggy, with regard to 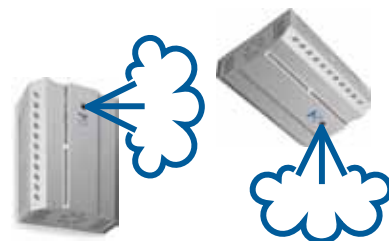both activation and information of technical diagnosis. **In this configuration it will be possible to use the telephone dialer of the control panel, either PSTN and/or GSM in order to monitor Foggy remotely.**

The number of Foggy managed by the serial line depends on the technical features of the control panel

RS485

Xtrea

MOUNTING

Foggy can be installed either to the wall or to the ceiling. Its mounting is simplified by a support bracket to which the central block of Foggy will be hooked.
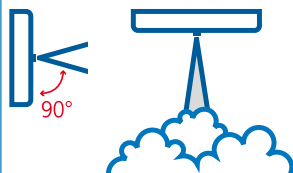An optional pulley kit (Mod. **CFT**), useful for installation to ceiling, allows to reduce the charge to lift of about 80%. In order to grant a small esthetical impact, Foggy can also be installed inside false-ceilings or wall-wardrobes leaving a small opening in correspondence of the nozzle to allow the way out to the fog-jet via an optional lengthener (Mod. **PRL10**).
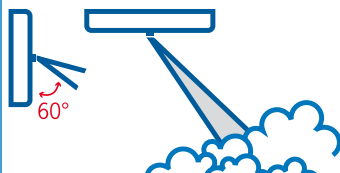
NOZZLES

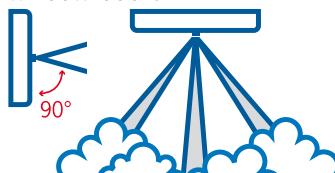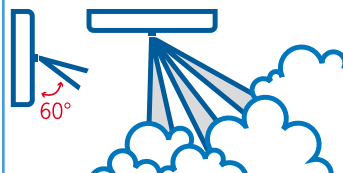| ER190 (1x90°):	ER160 (1x60°):	ER390 (3x90°):	ER360 (3x60°):
STANDARD: it makes a straight long-ray jet.	OPTIONAL: it delivers a long-ray jet with 60° inclination, this kind of nozzle allows to install Foggy in different positions.	OPTIONAL: it allows a short-ray delivery in 3 different directions; it delivers two jets with 30% inclination and one with 90% inclination. This type of nozzle allows to install Foggy creating a curtain-effect protection, e.g. to protect window-doors.	OPTIONAL: it allows the delivery of a triple short-ray jet featuring diffusion of fog effect in uniform way.
90°	60°	90°	60°

TANK

The tank grants wide autonomy for many activations; it is made of steel and it is easily rechargeable. Liquid is not under pressure but kept vacuum, in order to safeguard its duration in time and not to alter its chemical properties.
The liquid level is constantly monitored thanks to a microprocessor "talking" to the electronic board and warning in case of low level.

Versions available:

FOGGY 50A
Color: anthracite grey

FOGGY 50G
Color: grey

FOGGY 50W
Color: white

TECHNICAL FEATURES	FOGGY 50	FOGGY 30
Coverage volumes	• 20'' activation: 200 m³ • 40'' activation: 400 m³ • 60'' activation: 600 m³ • 60'' + pulsed activation: up to 1300 m³	• 10'' activation: 100 m³ • 20'' activation: 200 m³ • 30'' activation: 300 m³ • 10'' + pulsed activation: up to 400 m³
Tank capacity	• 1,3 liters	• 1 liters
Number of activations	• 35 activations of 20'' each • 11 activations of 60'' each	• 50 activations of 10'' each • 16 activations of 30'' each
Special function	• Wireless anti-robbery with integrated board	• Wireless anti-robbery with integrated board
Nozzles available	• n. 1: curtain 90° with one jet (included in the packaging) • n. 3: with different angles and deliveries (optional) • n. 1: lengthener (optional)	• n. 1: curtain 90° with one jet (included in the packaging) • n. 3: with different angles and deliveries (optional) • n. 1: lengthener (optional)
Nozzle protection	• Yes	• Yes
Supplying	• 220 Vac	• 220 Vac
Consumption during heating	• 1000 Watt	• 600 Watt
Consumption during maintenance	• 60W - 200 W	• 60W - 120 W
Back-up battery)	• Yes – n. 2 12Vdc 1,2 Ah (not included)	• Yes – n. 2 12Vdc 1,2 Ah (not included)
Time of initial heating	• 20 minutes	• 12 minutes
Heating time after an activation	• Max 5 minutes	• Max 3 minutes
Functioning in case of mains 220 Ac absence	• Max 1 hour	• Max 1 hour
Status indication	• Via Led and Display	• Via Led and Display
Inputs	• System arming: follows alarm system on/off • First stage: pre-alarm • Second stage: alarm; jet activation	• System arming: follows alarm system on/off • First stage: pre-alarm • Second stage: alarm; jet activation
Outputs	• Delivery on – tamper – liquid level • Technical damage: mains absence – battery level – faulty battery – pump malfunctioning – board temperature – heater temperature	• Delivery on – tamper – liquid level • Technical damage: mains absence – battery level – faulty battery – pump malfunctioning – board temperature – heater temperature
12Volt output	• Yes	• Yes
Connections	• Universal standards • RS485 serial dedicated to AVS systems	• Universal standards • RS485 serial dedicated to AVS systems
Events memory	• Yes – 1000 in non-volatile memory	• Yes – 1000 in non-volatile memory
Status verification	• Yes – USB local connection • Yes – GSM remote connection with optional board mod. XGSM	• Yes – USB local connection • Yes – GSM remote connection with optional board mod. XGSM
Firmware updating	• Yes	• Yes
Size (LxHxD) mm	• 480 x 353 x 166	• 358 x 264 x 166
Weight kg.	• 22	• 15
Versions	• Foggy 50A: anthracite-grey color • Foggy 50G: grey color • Foggy 50W: white color	• Foggy 30A: anthracite-grey color • Foggy 30G: grey color • Foggy 30W: white color

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Foggy

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