



FAST 01 2C PRO  
PLUS Anti Intrusion  
Fog Systems



# UR FOG FAST 01 2C PRO PLUS Anti Intrusion Fog Systems User Manual

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**UR FOG FAST 01 2C PRO PLUS Anti Intrusion Fog Systems**



## PACKAGE CONTENT

*Inside the package you will find:*

1. The machine FAST 01 2C PRO
2. Two fog cylinders of 600 ml
3. A label to indicate the device presence.
4. Installation and use manual.

## INTRODUCTION OF THE PRODUCT

Thank you for purchasing UR Fog product.

The great patented technological innovations such as the liquid injection system, the disposable cylinders, the fact that they don't need to be refilled, the ecological and economic system for the complete emptying of the cylinders, together with the heating system, all of them make the FAST 01 2C PRO PLUS fog generators the best fog devices with the best performance in the security market.

**Reliable:** There are no high-pressure pumps that lose fluid or tend to stop working.  
There are no high-pressure pumps that must be tested periodically. Double-cylinder technology is guaranteed to work in any condition.

**Competitive:** Complete use of cylinders' liquid avoiding any waste of liquid, thanks to pressure control.  
Low power consumption. Fast and powerful.

**Simple:** Machine easy to install and able to be integrated to any existing alarm system.

## CONDITIONS OF USE AND WARNINGS

The fog generated by UR Fog does not create particular problems or injuries for a human being for a short stay in a fogged room if the system is used according to the manufacturer's recommendations.  
Generated fog is certified as safe for people and animals from an authorized international certification company

and is proved that it does not leave any residual.

UR Fog systems are certified to respect European laws and regulations. Any certifications required in specific countries are a responsibility of the distributor of that specific country.

The documents related to certifications can be requested by mail to [support@urfog.com](mailto:support@urfog.com).

It is not guaranteed by the manufacturer the use of UR Fog system in the presence of objects that may be damaged anyway by contact with substances based on glycol, water and alcohol. Any employee or worker who may be exposed to fog must be warned in advance and must be checked for any allergy to the substances listed above. At the date of printing of this manual, any problem related to any allergy.

UR Fog is in no way responsible for any damage or condition of use that has not been required and specifically approved by any specific written request prior to the installation of its products.

For fog fluid please refer to UR Fog fluid safety data sheet published on the website and carefully read it at [www.urfog.com](http://www.urfog.com).

Contact a doctor if for any reason, you swallow fog fluid or if, after contact with eyes or skin you have any kind of reaction, and in any case wash it immediately with water and soap. Never stay for a long time in a room filled with fog.

Do not use charged cylinders that are not the ones suggested by UR Fog, and never try to recharge them, they are made for a single use. Follow your national rules for the dispose of empty cylinders.

Keep UR Fog cylinders out of reach of babies and animals. The nozzle may be hot and touching it may cause burns.

Do not look directly into the nozzle.

Never use UR Fog products for any purpose that is not related to protection from theft or robbery (the choice of the conditions of use in case of robbery will be suggested by your security consultant).

Never use different fog fluids or add any other substance into the cylinders.

Do not use or keep charged UR Fog machines in vehicles and do never transport UR Fog before 24 hours since it has been shut off. During transport, it must be not armed.

## **INSTALLATION TIPS FOR FOGGING SYSTEMS**

**Please observe the following instructions for installing UR Fog:**

- The machine must be installed avoiding to obstruct escape routes.
- Verify the fog does not limit the visibility near: stairs, landings, moving objects that may cause: falls down, injuries or any damage to persons.
- Do not look directly into the nozzle. Do not add any other substance into the cylinders.
- The nozzle may reach high temperatures, touch it may cause burns.
- When UR Fog produces fog avoid staying closer than 1 meter from the machine.
- When UR Fog is armed avoid staying closer than 50 cm from the nozzle.
- Before testing UR Fog, remember to report it in advance to the firefighters in your area to avoid false alarms.
- Remember to put warning labels about the presence of UR Fog on the windows.
- Report its installation to the firefighters in your area and eventually to other institutions if needed.
- It is necessary to add an external switch to separate the fog generator from the alarm system and it should be activated before the maintenance to avoid that input tests, for example, can activate the fog generator.
- Never direct the fog jet towards an object or a wall less than 2 meters away and if possible increase the suggested minimum distance. Thanks to the power of the jet, UR Fog reaches and exceeds more than 10 meters away in the first 3 seconds from the point where the machine is installed.

- Setting the shooting time interval between the minimum and maximum shown in the time table, avoid “overshooting” even if the produced fog is dry and generally doesn’t leave residue.

A shot that goes far beyond the recommended seconds can create a residue problems in the room

- UR Fog continues to be effective for up to 2 hours without 230 V or 120 V main power thanks to the insulation system which maintains the temperature in the heating system.
- Install at an height of about 2,5 meters not to let it be reached, avoiding possible tampering.
- Install with a maximum inclination of 20°.
- Do not move the machine when it is still hot.
- The main body of UR Fog, which has the heating system enclosed inside a metal frame, should not be opened unless by specific and authorized service centers. Do not open and touch for any reason the insulation before 24 hours UR Fog has been shut off. The internal part may reach really high temperature.
- Do not activate the UR Fog machine before the installation is completed.
- Insert the cylinders as the last procedure and verify the anti-tampering function.
- When the installation is finished, always test the system.
- From the moment of UR Fog activation, at least one hour is necessary to reach the minimum temperature needed for the fog shooting.
- Install UR Fog avoiding any obstacles in front of it which can prevent the spreading of the fog.
- The external temperature of UR Fog can change from room temperature to 50 °C.
- The tip of a stranded conductor should not be soft-soldered where the conductor is subjected to contact pressure.
- The UR Fog machine should not be exposed to water spray or dripping.
- Request to UR Fog or its distributors to take part in courses for installers to ensure the optimal installation of the equipment.

## TECHNICAL SPECIFICATIONS

* Industrial standard as from other manufacturers	FAST 01 2C PRO PLUS
Weight without tanks	22 Kg
Max fog emission in a single shot	1200 m3
Total fog emission capacity	1400 m3
Fog tanks capacity	2 x 600 ml
Working time without mains power	about 2,5 hours
Max power on heating system	2 x 300 W
Average power consumption during heating time	540 W
Max heating time	about 2,5 hours
Max consumption at 12 V	60 W
Power consumption at 12 V	500 mA while shooting, 60 mA in stand by
Battery type (not included)	Pb 2 Ah 12V
Door tamper	Tamper screw
Anti-tear off and anti-shift	Accelerometer

The “empty” signal doesn’t mean only that the bag is empty, but also warns you that the system has shot at least 35 seconds.

For this reason is very important to make the “reset” only when you actually exchange the bag or you will lose the seconds counting. (See paragraph 13)

#### **WARNING:**

- Loosened ferrule can cause dropping
- Do not disconnect the machine immediately after the shot
- Change the battery every two years
- Change the cylinder as soon as the “empty” signal appears

#### **HOW TO ACTIVATE THE SYSTEM**

It is always recommended to fix the fog generator to a wall even when it is placed on a flat surface. The optional bracket, is always recommended to simplify the installation, allowing to use back holes for the passage of cables. Remember to use the fixing screw placed in the cylinders compartment.

Always verify that the bracket or the support surface are suitable for the weight of the machine.

It is suggested not to install the machine behind walls in a limited closed area without a specific ventilation, in order to prevent a possible overheating.

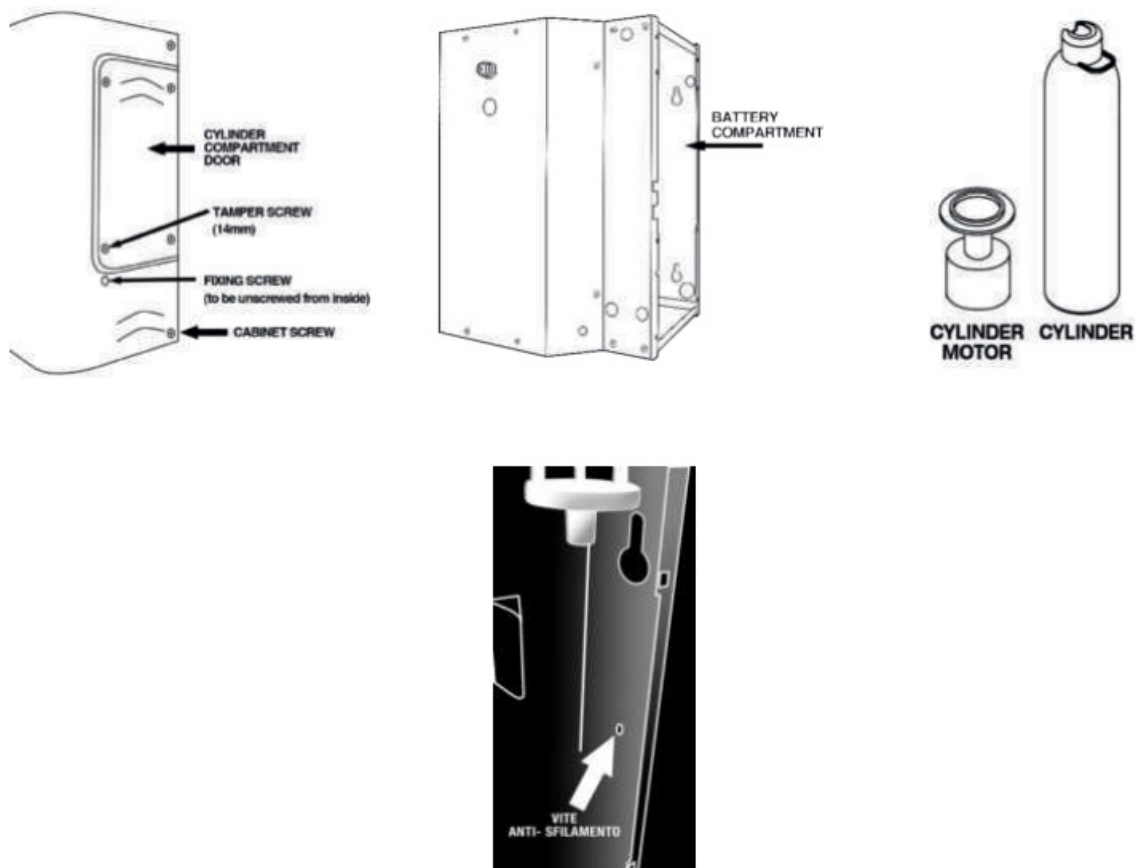
**CAUTION:** to avoid injuries please securely fix the fogging machine to the wall according to the installation instructions. In case of installation behind a wall, it is possible to request a nozzle extension, 7 cm.

After removing the machine from the package, unscrew the two screws that stop the right side panel and remove it. Remove tamper screw and shell screws from inside.

At this point it is possible to remove frontal shell and see electronic circuit, from here on called PCB. The screw in lower left part of cylinders' compartment door is longer than the others and its removal activates the tamper output.

It is recommended to install the fogging system Fast 01 2C PRO PLUS vertically. If it is needed to install Fast 01 2C PRO PLUS horizontally, it is necessary to order a special machine prepared for such installation and strictly follow the installation instructions.

After the screw has been positioned correctly, the machine emits 4 beeps and deactivate tamper output.



## Main POWER SUPPLY

The heating element is rated at 600 W, at the very beginning, power consumption is about 500 W and in some minutes it goes down, reaching an average consumption of about 110 W.

Do not use an inverter or UPS if you are not sure that they generate a true sine wave, not a rebuilt one. Please ask to the UPS manufacturer the correspondence of such features before proceeding with the connection.

- The max current to be considered for the system is 6 A for the 120 V or 3 A for the 230 V
- The connection to the 230 V electricity grid must be performed by a qualified technician
- Connect the equipment to the electricity grid only after you have completed the installation
- It is necessary to connect the ground terminal.


PLEASE NOTE THAT, AS ALL POWERED EQUIPMENT FROM THE ELECTRICITY GRID REQUIRES INSTALLATION, IT IS SUBJECT TO COMPLIANCE WITH THE RULES OF THE COUNTRY IN WHICH IT IS INSTALLED

For sections and types of wires, fuses, suitability of materials to installation sites etc..

IF YOU NEED TO REPLACE THE FUSE, USE ONLY FUSE WITH THE FOLLOWING SPECIFICATIONS:

- FOR 230 V MAINS VOLTAGE: CERAMIC BODY FILLED WITH QUARTZ, REF. STD. EN60127-2-3/DIN41660, 6.3 A, H 1500 A (EXAMPLE OMEGA GT520231)
- FOR 120 V MAINS VOLTAGE: CERAMIC BODY FILLED WITH QUARTZ, REF. STD. EN60127-2-3/DIN41660, 10 A, H 1500 A

## Documents / Resources

 <p>The image shows the cover of the 'UR FOG FAST PRO PLUS' installation and use manual. It features the product name in bold, a small image of the device, and the text 'INSTALLATION AND USE MANUAL' and 'ENGLISH MANUAL'.</p>	<p><a href="#">UR FOG FAST 01 2C PRO PLUS Anti Intrusion Fog Systems</a> [pdf] User Manual FAST 01 2C PRO PLUS Anti Intrusion Fog Systems, FAST 01 2C PRO PLUS, Anti Intrusion Fog Systems, Intrusion Fog Systems, Fog Systems</p>
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## References

- [User Manual](#)

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