

It's recommended to read carefully the safety datasheet UNION SMOKE



ENGLISH MANUAL
SMOKE 100 - 100B



Installation and use manual

UNION SMOKE
SMOKE SECURITY SYSTEMS

1) PACKAGE CONTENT AND WARNINGS

Inside the package you will find:

1. A smoke generator UNION SMOKE 100 or 100B
2. An installation and use manual

The smoke generated by UNION SMOKE does not create problems or injuries for a human being for a short stay in a room with smoke if the system is used according to the manufacturer's recommendations. Generated smoke is certified according to an authorized international certification company. UNION SMOKE is certified respecting 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 info@urfog.com. It is not guaranteed by the manufacturer the use of UNION SMOKE system in the presence of objects that may be damaged anyway by the contact with emitted smoke. Any employee or worker that may be exposed to smoke must be warned in advance and must be checked for any allergy to the substances listed in the safety datasheet. At the date of printing of this manual it has never been pointed out 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. Please refer to UNION SMOKE safety data sheet published on the website and carefully read it at www.unionsmoke.com. Contact a doctor 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 smoke. Keep UNION SMOKE cartridge out of reach of babies and animals. Never use UNION SMOKE products for any purpose that is not related to protection from theft or robbery.

2) INSTALLATION TIPS FOR SMOKE SYSTEMS

1. The device must be installed avoiding to obstruct escape routes.
2. Verify that smoke does not limit the visibility near: stairs, landings, moving objects that may cause: falls, injuries or any damage to persons.
3. In vehicle use is mandatory to avoid emission of smoke while driving as it reduces visibility with consequent dangerous also for other vehicles. During transport the smoke system must not be armed.
4. Always verify that the emitted smoke doesn't obstruct vehicles circulation areas.
5. Always verify that the emitted smoke doesn't cause any danger.
6. Do not look directly into the smoke emission hole.
7. The external cabinet may reach high temperatures, touching it may cause burns.
8. When Union Smoke is armed avoid staying closer than 2,5 m from the smoke emission hole.

sales1@urfog.com

NB, Request the safety datasheet UNION SMOKE writing to the email address:



9. Before testing Union Smoke, remember to notify it in advance the fire department in your area to avoid false alarms. It's also suggested to inform the fire department or other institutions about the installation of a Smoke device.
10. Remember to use warning labels on the windows to indicate the presence of Union Smoke.
11. It's necessary to put a switch to isolate the smoke generator from the main alarm panel, to activate before maintenance or test, to avoid that any activation of the alarm central (for example an output test) may activate the smoke generator.
12. Do not activate the system before the installation is completed.
13. Always make a test of the system, after its installation, without the cartridge.
14. Insert and connect the cartridge only when the installation is completed.
15. Never direct the smoke jet towards an objects, walls or obstacles that may deviate the smoke ejection.
16. Request to UR Fog or its distributors to take part in courses for installers to ensure the optimal installation of the equipment.
17. For any additional clarification, consult the safety datasheet UNION SMOKE.

3) CARTRIDGE REPLACEMENT SMOKE 100 - SMOKE 100B

It's always needed to exchange the cartridge when the smoke machine disconnected.

- a) Disconnect the smoke machine
- b) Wait 60 seconds
- c) Remove the cartridge
- d) Insert the new cartridge
- e) Connect the smoke machine again



Correct name for transportation: articles, pyrotechnics for technical purposes

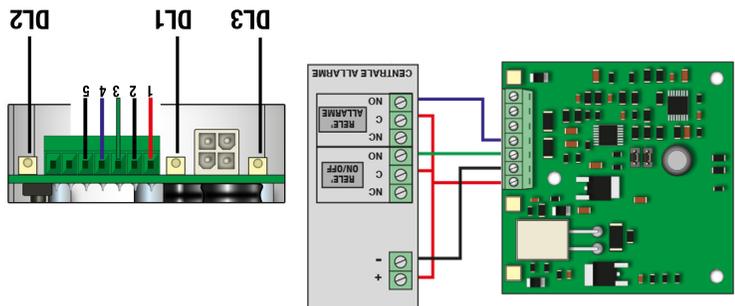
Classification code: 1.4S

Identification number of material: UN 0432



It's recommended to read carefully the safety datasheet UNION SMOKE

4) FRONT LEDS MEANING



SMOKE 100

GREEN LED (DL3): the smoke system is connected (12V), it should always be on.
BLUE LED (DL1): the smoke system is armed.
RED LED (DL2): the cartridge has to be replaced; the LED turns on after each shot.
 the LED turns off if the unit is disconnected.

RESET PROCEDURE: if for any reason it's not possible to completely disconnect the smoke machine, press the button on the upper part of the electronic board. After RESET procedure the red LED will be off.

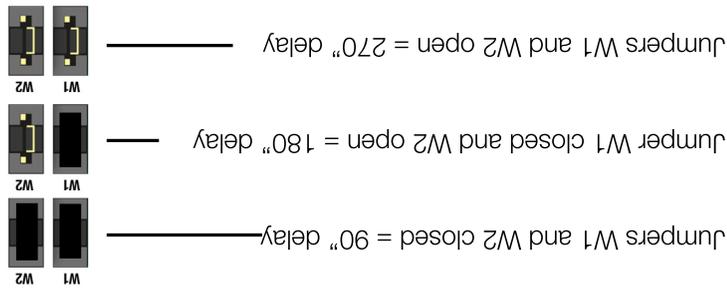
SMOKE 100B

In order to save on the batteries power consumption on SMOKE 100B the LED have the following meaning:

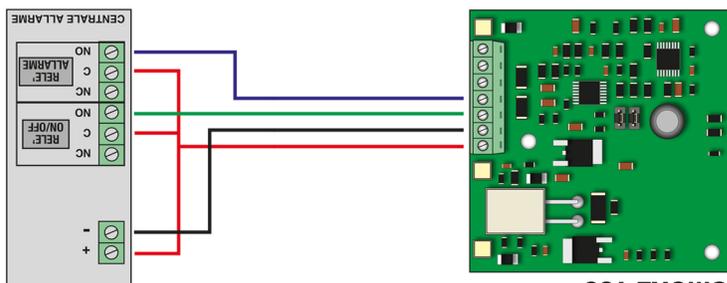
GREEN LED (DL3): 1 blink every 90" if the smoke system is connected (batteries) and not armed.
BLUE LED (DL1): 1 blink every 90" if the smoke system is connected (batteries) and armed.
RED LED (DL2): 1 blink every 90" if the cartridge has to be replaced.
WARNING: 5 blinks (any LED) mean that it's necessary to replace the batteries.

RESET PROCEDURE: Disconnect the battery pack removing the red cable (positive), or remove and reinsert after 1 minute one of the 4 alkaline batteries. After RESET procedure the red LED will be off.

6) MULTIPLE CONNECTIONS SMOKE 100

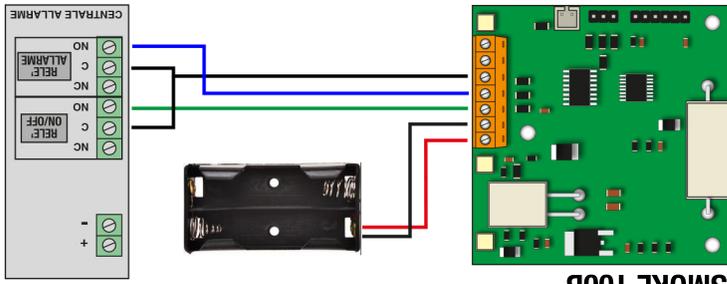


5) SMOKE SYSTEM CONNECTION



SMOKE 100

ARMING - to arm the smoke machine, give 12V on PIN 3
SHOOTING - to shoot, give 12V on PIN 4



SMOKE 100B

ARMING - to arm the smoke machine, close the contact between PIN 3 and PIN 5
SHOOTING - to shoot, close the contact between PIN 4 and PIN 5

WARNING - it's necessary to wait 20 seconds from ARMING to shoot.

7) MULTIPLE CONNECTIONS SMOKE 100B

According to the drawing below:

- Jumper P1 open = 90" delay
- Jumper P1 closed on the left = 180" delay
- Jumper P1 closed on the right = 270" delay

