

Quick Start Guide – Wired webeyeFOG

Features

- Standalone or central triggered.
- Very low energy consumption.
- Activation via single or double confirmation.
- Non-toxic incense-based smoke.
- No dust or residuals left.
- Permanent smoke presence (1 hour minimum).

Contents

The product comes with a complete sensor and accessories (tamper springs are inserted). In the bag you will find:

- Securing screw.
- Validation card (Validation card must be inserted into **M1**).
- Jumper socket.
- Tamper buttons.

Installation Hints

1. Avoid direct sunlight.
2. Avoid aiming directly at air conditioning or heating vents.
3. Avoid vapour or high humidity that may cause condensation.
4. Do not smoke during installation.
5. Do not install outdoors.
6. Install between 1.8m - 2.4m from the floor.

Description of LED Indication & Siren Key

LED	State	Action
Green	Alarm not activated	On
Blue	Missing, used or dead cartridge / card not recognised	Flash 3 times every 5 seconds
Red	Alarm activated	On
	Alarm occurred	Flash 1 time every second
	Pre-Alarm occurred	Flash 1 time every second**
Siren	Forced activation*	2 tones
	Alarm occurred	Continuous sound for 2 minutes*
	Pre-Alarm occurred	1 tone every second for 20 seconds**

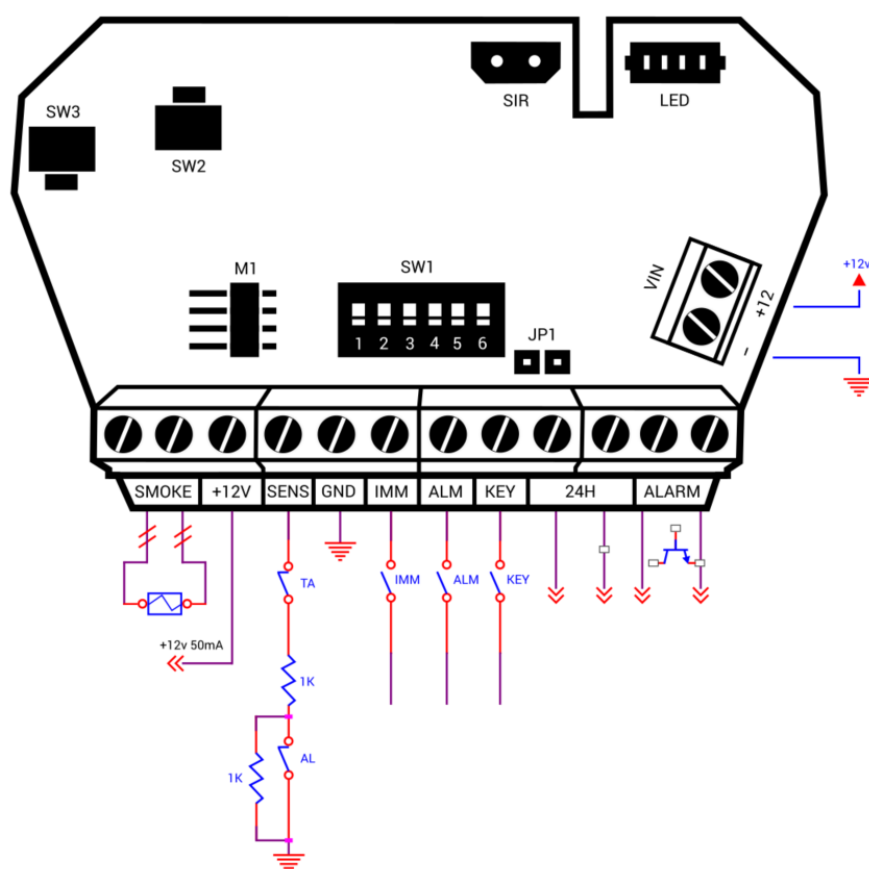
* Forced activation means try to activate system while input (SENS, ALM) is open.

** First 20 sec siren tone will occur, after 20 seconds siren stops, red LED will blink for additional 20sec.

PCB Layout

VIN	12V DC Input connector
LED	LED connector
SIR	Internal siren connector
JP1	Test mode and programming jumper
SW1-DIP Switch	For setting
*M1	Validation card connector
SW2	Tamper switches – Wall sensor
SW3	Tamper switches – Cover sensor

***M1:** Without validation card or invalid card, the cartridge cannot be activated.



PCB Outputs & Inputs

SMOKE	Capsule terminal: join same colours wires and connect to same terminal
+12V	VIN output (only for testing, do not use POWER SUPPLY)
SENS	Pulses count sensor input; set parameter with DIP-Switch 5 & 6
IMM	Immediate alarm input; Priority over KEY settings
ALM	Pre-Alarm Sensor input
KEY	ALARM insertion input (setting through DIP-Switch 3 & 4) - 24H
24H	Free contact tamper output (anti-sabotage) activated through SW2 or SW3
ALARM	ALARM: OC anomaly output (negative pull) activated on *Invalid card or missing, used or dead cartridge * Alarm will stay "open" until reset
VIN	12v dc power supply

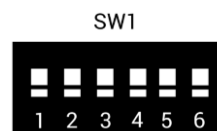
TA (optional) tamper is intended as the series of all the tampers, included alarm central tamper.

AL is intended as a sensor input on which we want to set a pulse count and confirmation role.

DIP-Switch Settings

With DIP-Switches 1- 6 it is possible to set the various options described in the previous section.

- Remove jumper socket on JP1 (if inserted).
- Set DIP-Switches as required.
- Insert jumper on JP1. This will confirm and activate the settings.



Capsule Deadline Prog			Wired line setting valid for Key, IMM & ALL Inputs			SENS Pulse Count Selector			
DIP 1	DIP2	YEARS	DIP3	DIP4	INPUT	DIP5	DIP6	PULSES	ACTION TIME
OFF	OFF	1	OFF	OFF	Negative to push (NO)	OFF	OFF	1	400 ms
OFF	ON	2	OFF	ON	Negative to pull (NC)	OFF	ON	2	400 ms
ON	OFF	3	ON	OFF	Positive to push (NO)	ON	OFF	3	400 ms
ON	ON	4	ON	ON	Positive to pull (NC)	ON	ON	5	1ms

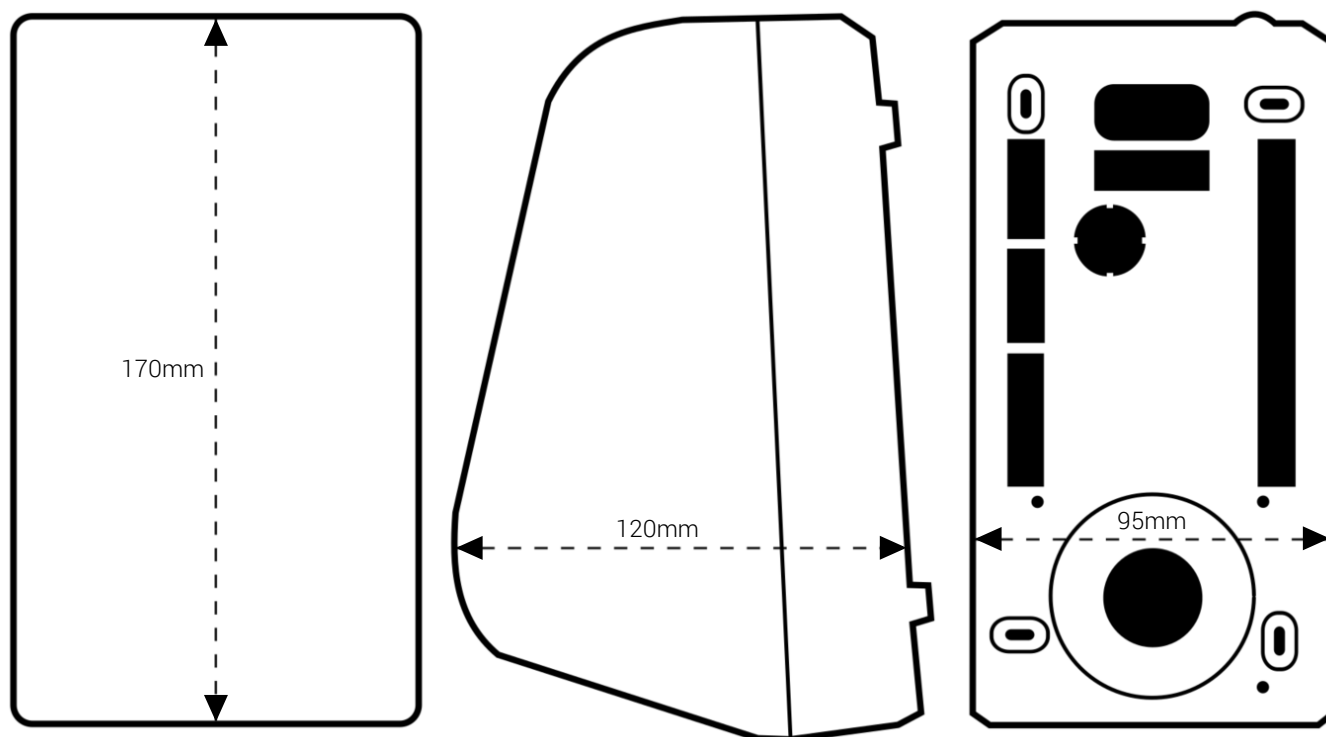
Installation Procedure

1. Unscrew fastening screw and remove the cover.
2. Remove the plastic sticker on the bottom of the cartridge.
3. Pull out the jumper on JP1.
4. Set DIP switches based on your requirements, as described in DIP Switch Settings.
5. Insert jumper socket on JP1 to confirm and activate settings.
6. Walk test unit prior to activation; pull out jumper socket on JP1, perform walk test, then insert jumper on socket JP1.
7. Once jumper socket JP1 is in place, attach the cover and screw into place within 4 minutes. During these 4 minutes, the red LED will flash. After 4 minutes, the red LED will stop flashing and the system is enabled.

Technical Specifications

Dimensions (H W D)	170 x 95 120 mm
Weight	1 kg (including capsule)
Power Supply	12v dc
Consumption (standby)	85 – 220µa
Maximum consumption	200 mA
Instantaneous absorption	Up to 200 mA (100 ms)
Filling capacity	150 - 250 m³
Smoke emission	Approx. 30 sec
Alarm state duration	2min
Protection level	IP44
Temperature range	-20 C to 80 C
Capsule standby live time	3 years
Coating	ABS
Colour	White

Dimensions



Certifications

Pyrotechnic articles: Category P1	Generic Type Smoke Generator: Subtype-Variants 3
Commercial Name: webeyeFOG	
webeyeFOG Compliance with R.E is based on compliance with the following documents:	
EN 50130-4: 2012, ENE 55022: 2009, EN 6100-4-2: 2011, EN 61000-4-3: 2007, EN 61000-4-4: 2006+EC: 2008 +A1: 2010, EN 61000-4-5: 2007, EN 61000-4-6: 2010, 61000-3-2: 2007+A1/A2: 2011	
EN 301 489-3v1.4.1: 2002, EN 301 489-1V1.9.2: 2011, EN 300 220-1 V2.4.1: 2012, EN 300 220-2 V2.4.1: 2012, EN 300 330-1V 1.5.1: 2006, EN300 330-2 V1.3.1: 2006	
EN 16263-1: 2015, EN 16263-2: 2015, EN 16263-3: 2015, EN 16263-4: 2015, EN 16263-5: 2015	
No-toxicity: D.Lgs. 81/2008 UNI EN 481: 1994, UNI EN 482: 1998, UNI EN 689: 1997, UNI EN 1076: 1999, UNI EN 1231: 1999, UNI EN 1232: 1999, UNI EN 1540: 2001	

Warnings

Please read the instructions for use and observe the safety warnings. In the event that the safety warnings contained in these instructions are not observed, we assume no responsibility for any damage to property or persons. In addition, the following warnings should be observed:

Generalities

- Keep the product away from extreme temperatures, direct sunlight, strong vibrations, water, excessive moistures, flammable gases, vapour's or solvents.
- Do not expose the product to mechanical stress.
- If it is no longer possible to use in complete safety, disconnect it from mains power immediately. The safety of use is no longer guaranteed if the product:
 - Presents visible damage.
 - It does not function correctly.
 - Stored for prolonged periods under unfavourable environments.
- Do not store objects within 1 meter of the smoke outlet.
- The capsule and metal container are very hot after each delivery. Be careful not to touch parts until they have cooled.
- Do not stand for long in smoke-filled rooms.
- Ventilate the rooms until the smoke disappears before entering.
- Do not smoke during installation and handling of the product.
- The use of the product is expressly forbidden to minors under 18 years.

Electrical safety

- In order to ensure perfect system operation, we recommend using original batteries.

Maintenance & Cleaning

- Do not use strong detergent, alcohol and chemical solvent, to avoid surface damage and device functionalities.
- Use a dry rag for cleaning.

Disposal

- It is forbidden to dispose in domestic waste.
- The product must be disposed in compliance with the codes and law in force.