

UNii-FOG - fog generators – quick overview

Models

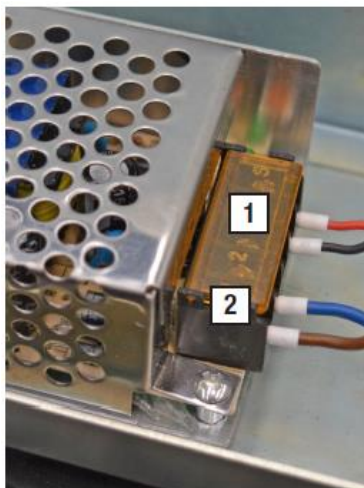
- M200
- F250
- F500
- F1500

Power supply and Battery

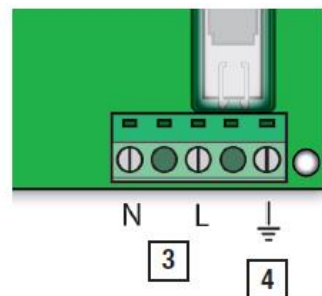
Note:

- M200** After connecting 230VAC it takes about **1 hour** to reach the minimum temperature (+/- 400°) necessary to generate fog. After disconnecting 230VAC the fog generator can still generate fog for **1 hour**.
- F250** After connecting 230VAC it takes about **50 minutes** to reach the minimum temperature (+/- 400°) necessary to generate fog. After disconnecting 230VAC the fog generator can still generate fog for **2 hours**.
- F500** After connecting 230VAC it takes about **1,5 hours** to reach the minimum temperature (+/- 400°) necessary to generate fog. After disconnecting 230VAC the fog generator can still generate fog for **2 hours**.
- F1500** After connecting 230VAC it takes about **2,5 hours** to reach the minimum temperature (+/- 400°) necessary to generate fog. After disconnecting 230VAC the fog generator can still generate fog for **2,5 hours**.

M200



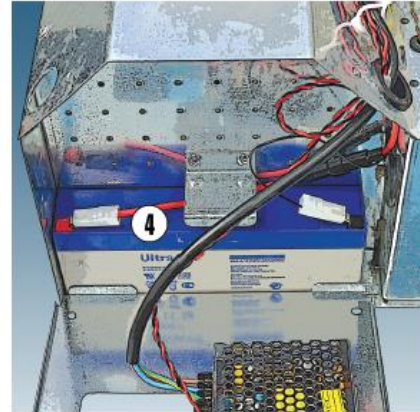
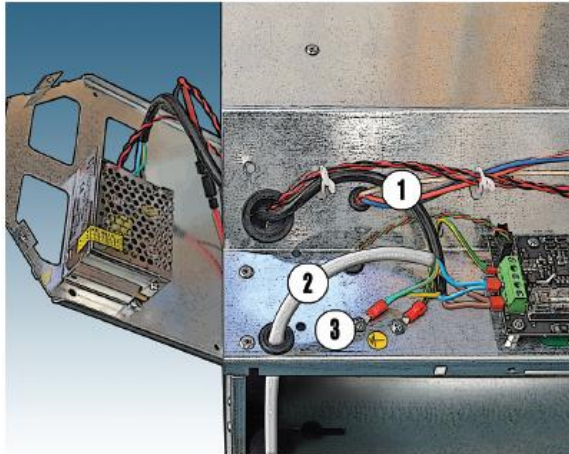
- 1 12V Power supply connection
- 2 230V Power supply connection
- 3 230V Mains power
- 4 Ground connection
- 5 Battery slot (battery not included)



- The battery is essential for the safe use of the device, it is recharged by the board's circuitry
- The predisposition 2A 12V lead-acid battery is lodged below the exchanger
- To gain access to the battery slot it is necessary to remove the plastic front panel and possible stop screw

F250 and F500

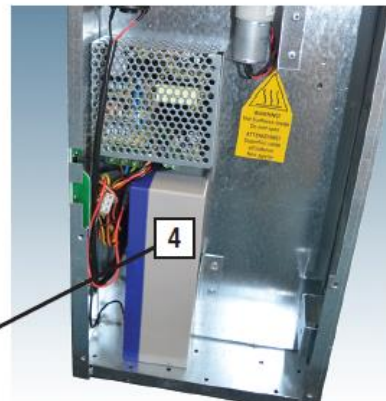
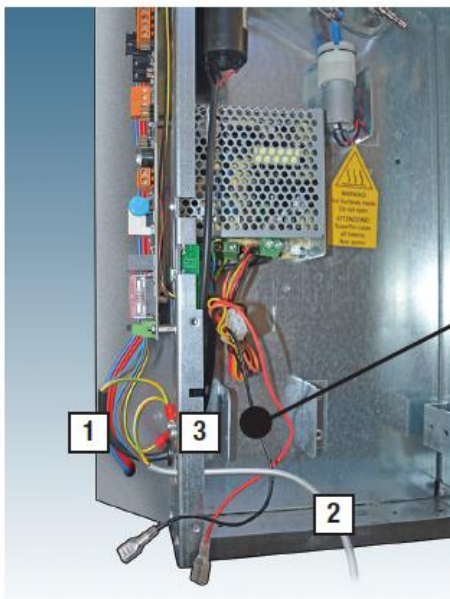
- The battery is necessary to use the system in a safe way.
The battery is recharged by power supply.
- The placing of the lead-acid battery 2 Ah 12 V is in the case under the heat exchanger.
- In order to accede to the battery case is necessary to remove the frontal cover and the 2 locking screws.



- 1** Power supply main connections
- 2** Mains power
- 3** Ground connection
- 4** Battery holder (battery not included)

F1500

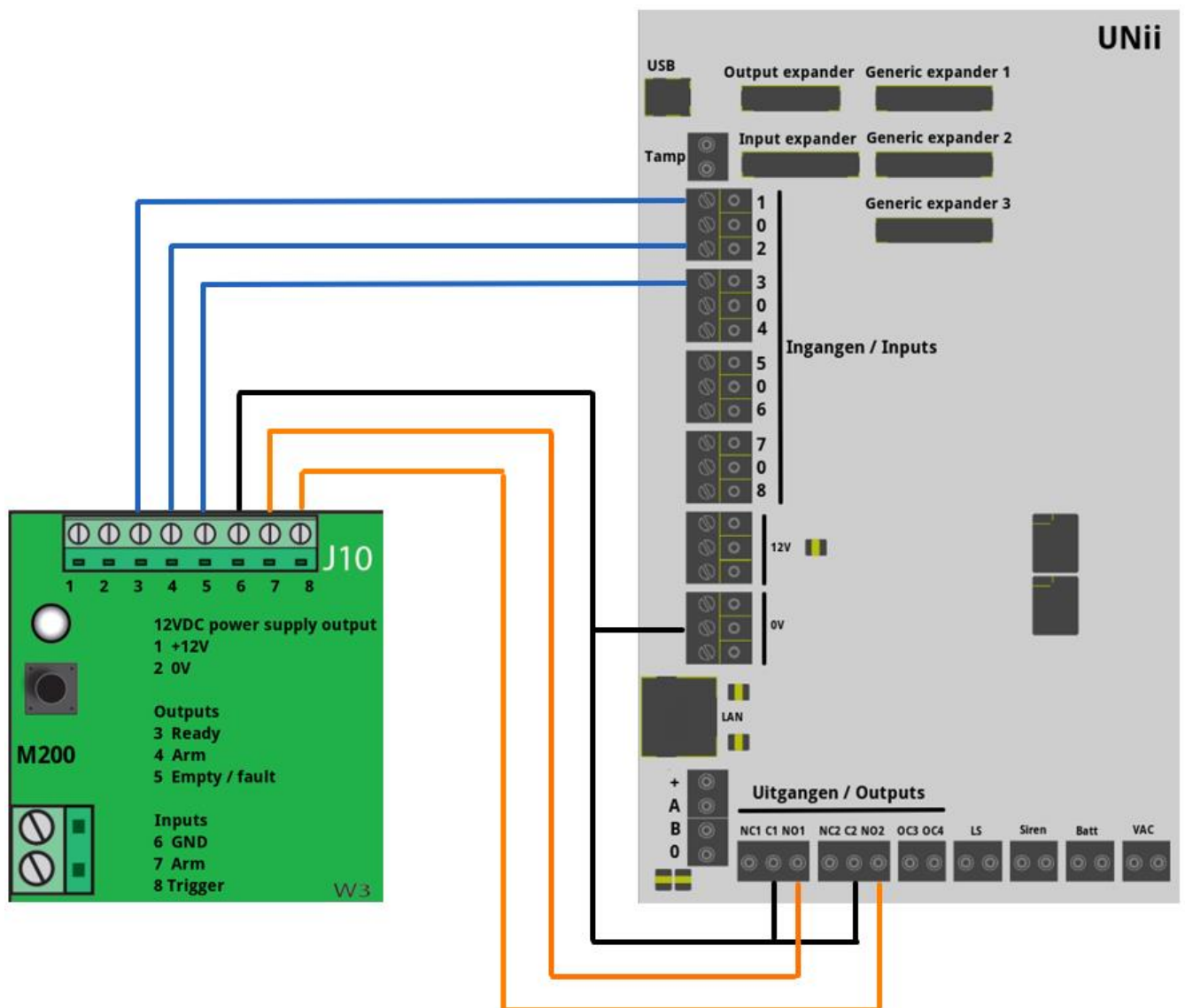
- The battery is necessary to use the system in a safe way.
The battery is recharged by power supply.
- The placing of the lead-acid battery 2 Ah 12 V is in the case under the heat exchanger.
- In order to accede to the battery case is necessary to remove the frontal cover and the 2 locking screws.



- 1** Power supply mains connections
- 2** Mains power
- 3** Ground connection
- 4** Battery holder (battery not included)

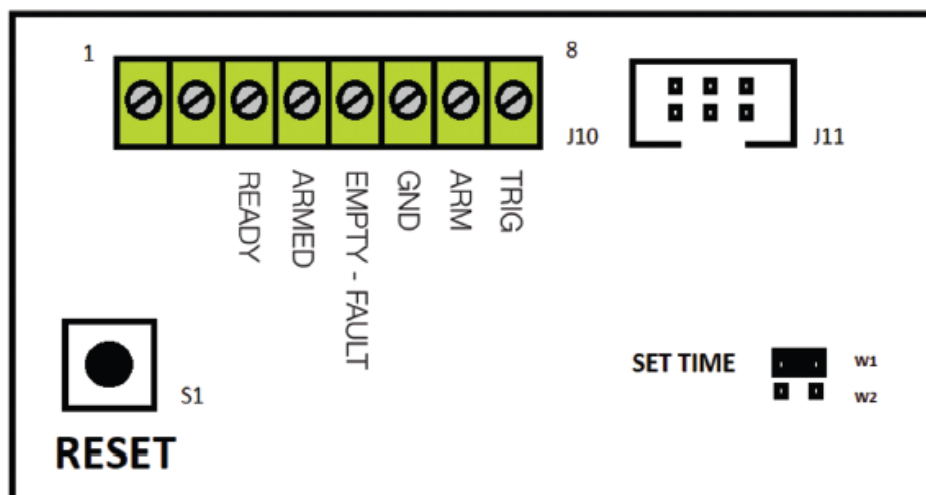
Connect inputs and outputs to a UNii alarm system

M200



Set fog shooting time

M200

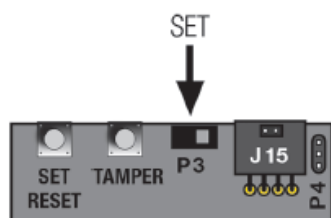


To set the shooting time, after opening the front panel, you must close the jumper W1 in SET position as shown in figure, then, holding down the button S1 "RESET", the green led on the front will flash and each flash is equivalent to one second. If you press the button again, the shooting time is not added to the one previously set, but will restart from zero. Notice: each blink equals 1 second.

If RESET button is kept pressed for a time longer than the shooting time allowed for the unit, shooting time will be set to the maximum.

Shooting time can be set according to desired seconds, but to correctly activate the bag reserve in full security, it must be set minimum 4 seconds of shooting

F250, F500 and F1500



To set the shooting time, after opening the bag compartment door, at the top of the PCB, facing the board you must move the jumper in left position P3 (closer to the buttons S1/S2). Then, holding down the button S1 "SET", 6 leds on the front will flash and each flash is equivalent to one second.

If you press the button again, the shooting time is not added to the one previously set, but will restart from zero.

N.B. Before opening side door ensure that the control panel is set to "service", so that the opening of "anti-sabotage or tamper" circuit does not cause any shooting.

N.B. Shooting time can be set according to wished seconds, but to correctly activate the bag reserve in full security, it must be set minimum 4 seconds of shooting.

Shooting tables - how many seconds of fog ejection per m3

M200

SHOOTING TABLE MODULAR 200 (max 28 sec.)

m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission
25 (75*)	4	75 (225*)	11	150 (450*)	21
50 (150*)	7	100 (300*)	14	200 (600*)	28

F250

SHOOTING TABLE FAST 250 PUMP PRO PLUS

m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission
8-15 (45*)	1	88-109 (327*)	11	168-200 (600*)	21
16-25 (75*)	2	96-119 (357*)	12	176-209 (627*)	22
23-35 (105*)	3	104-128 (384*)	13	184-218 (654*)	23
31-45 (135*)	4	112-137 (411*)	14	192-227 (681*)	24
36-55 (165*)	5	120-146 (438*)	15	200-236 (708*)	25
46-65 (195*)	6	127-155 (465*)	16	208-245 (735*)	26
56-75 (225*)	7	136-164 (492*)	17	215-254 (762*)	27
64-85 (255*)	8	144-173 (519*)	18	224-263 (789*)	28
72-95 (285*)	9	152-182 (546*)	19	232-272 (816*)	29
80-100 (300*)	10	160-191 (573*)	20	240-281 (843*)	30

F500

SHOOTING TABLE FAST 500 PUMP PRO PLUS

m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission
17-33 (99*)	1	187-203 (609*)	11	357-373 (1119*)	21
34-50 (150*)	2	204-220 (660*)	12	374-390 (1170*)	22
51-67 (201*)	3	221-237 (711*)	13	391-407 (1221*)	23
68-84 (252*)	4	238-254 (762*)	14	408-424 (1272*)	24
85-101 (303*)	5	255-271 (813*)	15	420-440 (1320*)	25
102-118 (354*)	6	272-288 (864*)	16	430-450 (1350*)	26
119-135 (405*)	7	289-305 (915*)	17	440-460 (1380*)	27
136-152 (456*)	8	306-322 (966*)	18	450-480 (1440*)	28
153-169 (507*)	9	323-339 (1017*)	19	460-490 (1470*)	29
170-186 (558*)	10	340-356 (1068*)	20	480-510 (1530*)	30


F1500
SHOOTING TABLE FAST 1500 PUMP PRO PLUS

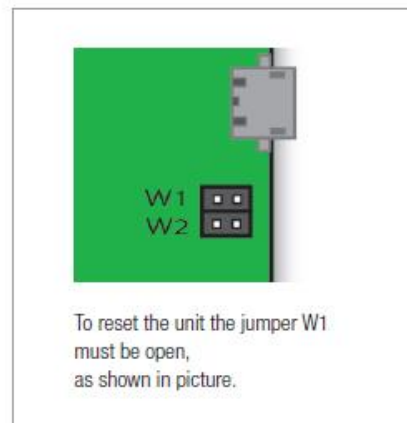
m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission	m ³ to protect	Seconds of emission
21-25 (75*)	1	525-630 (1890*)	25	1029-1235 (3705*)	49
42-50 (150*)	2	546-655 (1965*)	26	1050-1260 (3780*)	50
63-76 (228*)	3	567-680 (2040*)	27	1071-1285 (3855*)	51
84-101 (303*)	4	588-706 (2118*)	28	1092-1310 (3930*)	52
105-126 (378*)	5	609-731 (2193*)	29	1113-1336 (4008*)	53
126-151 (453*)	6	630-756 (2268*)	30	1134-1361 (4083*)	54
147-176 (528*)	7	651-781 (2343*)	31	1155-1386 (4158*)	55
168-202 (606*)	8	672-806 (2418*)	32	1176-1411 (4233*)	56
189-227 (681*)	9	693-832 (2496*)	33	1197-1436 (4308*)	57
210-252 (756*)	10	714-857 (2571*)	34	1218-1462 (4386*)	58
231-277 (831*)	11	735-882 (3477*)	35	1239-1487 (4461*)	59
252-302 (906*)	12	756-907 (2721*)	36	1260-1512 (4536*)	60
273-328 (984*)	13	777-932 (3477*)	37	1281-1537 (4611*)	61
294-353 (1059*)	14	798-958 (2847*)	38	1302-1562 (4686*)	62
315-378 (1134*)	15	819-983 (2949*)	39	1323-1588 (4764*)	63
336-403 (1209*)	16	840-1008 (3477*)	40	1344-1613 (4839*)	64
357-428 (1284*)	17	861-1033 (3099*)	41	1365-1638 (4914*)	65
378-454 (1362*)	18	882-1058 (3477*)	42	1386-1663 (4989*)	66
399-479 (1437*)	19	903-1084 (3252*)	43	1407-1688 (5064*)	67
420-504 (1512*)	20	924-1109 (3327*)	44	1428-1714 (5142*)	68
441-529 (1587*)	21	945-1134 (3477*)	45	1449-1739 (5217*)	69
462-554 (1662*)	22	966-1159 (3477*)	46	1470-1764 (5272*)	70
483-580 (1740*)	23	987-1184 (3552*)	47		
504-605 (1815*)	24	1008-1210 (3630*)	48		

Placing and replacing the fluid bag

M200



Insert the bag in place as show in picture.



- Insert a new bag and push metal connector till a 'click' is heard

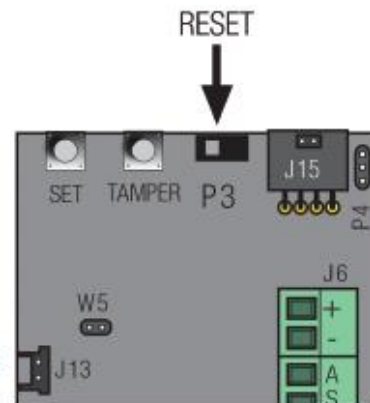


- Press button S1 "Reset"

F250, F500 and F1500



Insert the plastic bag in the compartment as shown in the picture



In order to make the reset the jumper P3 must be on the right position as you can see in the picture.

After that, insert a new bag until you hear the "click" of the metal plug (pictures at page 17) entering in its housing, then close the door.



N.B. When you close the door, the buzzer will make a sound to confirm the tamper is closed.
Attention: Before opening the side doors, make sure that the alarm control panel is in "service" mode, so that the opening of the "anti-sabotage or tamper" circuit does not cause any alarm.

- Insert a new bag and push metal connector till a 'click' is heard



- Press button S1 "Set"



Meaning of front LEDs

M200



**EMPTY
RESERVE**

RED LED (right)

ON: Error (Empty bag or low fluid , Mains power off/Battery low) or Fault
OFF: No error condition.



**ARM
FAULT**

BLU LED (center)

ON: Unit is armed and ready to shoot (with green led ON).
OFF: Unit is disarmed, shot not possible.



HEATING

GREEN LED (left)

ON: Unit has reached the correct temperature.
OFF: Unit is warming , no shot possible.



The EMPTY signal also means that fluid is going LOW.
It means that the unit has shot at least 100 seconds since last reset (Modular 200).



The central RED low power light means unit is powered on.
The RED FAULT led is on the top of the board.

F250, F500 and F1500



**ARM
FAULT**

BLUE LED

When on: the machine is armed and, if hot, it's ready to shoot.

When flashing: something is wrong (see paragraph 16 "DEFECTS AND POSSIBLE SOLUTIONS")



**EMPTY
RESERVE**

RED LED

When on: the bag is empty or it is in reserve.

When flashing: something is wrong (see paragraph 16 "DEFECTS AND POSSIBLE SOLUTIONS")



HEATING

GREEN LED

When on: the machine is hot and ready for the fog emission.

When flashing: the heating process is in progress. In this step the machine is heating but is not ready to shoot.



**IF THE BLUE LED IS FLASHING, TOGETHER WITH A CONTINUOUS SOUND FROM THE BUZZER,
A PROBLEM IS DETECTED. SEE PARAGRAPH 16**



The symbol of empty bag, has the meaning of "RESERVE"

It means that, since the last bag reset the machine has shot at least 100" (PUMP 250) or 60" (PUMP 500).



The symbol of empty bag has the meaning of "RESERVE" too.

It means that since the last bag reset the machine consumed at least 50% of the estimated range of the bag.
The machine already shot for 35 seconds.