Ecosafe
www.ecosafesa.com

User manual
790+Li Series

Safety cabinets for storing lithium-ion batteries

793+Li| 798+Li| 794+Li| 795+Li| 793+LiA2| 798+LiA2| 794+LiA4
795+LiA4| 793+LiX2| 798+LiX2| 794+LiX4| 795+LiX4

2024

CONTENTS

1. GENERAL INSTRUCTIONS AND SAFE USE

- To ensure safety, it is essential to comply with the relevant laws and regulations on handling lithium-ion batteries, as well as the notes in these instructions for use.
- The cabinet must be installed in accordance with the technical and safety regulations of the premises in which it is installed.
- The cabinet must be installed in a location that can support its fully loaded weight.
- Work on electrical installations may only be carried out in a de-energised state and by qualified electricians, in accordance with the applicable accident prevention regulations, VDE regulations and the regulations of the local electricity supply companies.
- General damage to electronic components should be repaired immediately by a TRIONYX employee.
- It is important use only undamaged power cables in impeccable condition chargers and to provide electrical protection in accordance with local standards.
- To ensure safety, it is important to comply with the conditions of installation on site, the instructions of the technical supervision service, the accident prevention regulations and the Workplace Ordinance.
- We recommend that you have your technical safety checked by authorised specialists only, and that you use original spare parts.
- This equipment is for professional use only. Under no circumstances should it be used by children or any other person.
  not being in full possession of their intellectual capacities.
- For obvious safety reasons, it is forbidden to lock a human being in the cupboard.
- The cabinet may only be used in accordance with the instructions and unauthorised persons must be prevented from gaining access.
- Always close the cabinet doors after use. Do not obstruct the opening or closing of the doors.
- The doors are self-closing and must not be closed manually.
- It is important to keep the door swivel area clear at all times and always close the doors.
- By using trained and authorised personnel, malfunctions, damage and corrosion that may occur as a result of incorrect installation/use can be ruled out.
- If enclosure is used in a manner not specified in this manual, safety may be compromised.
  be compromised.
- Do not dismantle all or part of the cabinet except for maintenance purposes.
  carried out qualified and approved personnel.
- Observe the recommended maximum limits for quantities stored. The following substances may not be stored in cabinets fitted with a fire-fighting system: acids, bases, magnesium, other metals (in powder form).
- The cabinet is designed for indoor use. It must not be stored outdoors or under cover.
- Ambient operating temperature: 0°C to 35°C.
- Operating humidity between 30% and 70%.
- In the event of a defect in any safety equipment, the enclosure must no longer be used and must be identified as non-compliant until it has been repaired by a qualified and approved person.
- To avoid an explosive atmosphere and harmful vapours, suitable technical ventilation is strongly recommended.

2. GOLDEN FOR LITHIUM BATTERIES

- Always use the battery terminal caps to prevent external short circuits.
- Inspect each battery regularly (visual+ charge test).
- Do not charge outside the temperatures recommended by the battery manufacturer.
- Do not charge without supervision.
- Store batteries in a dedicated lithium-ion battery storage cabinet when not in use.
- Do not stack batteries on top of each other.
- Strictly comply with the no-drop policy. When a battery is dropped, immediately quarantine it in a dedicated lithium-ion battery storage cabinet.
- Remove damaged or faulty batteries immediately.
- Store damaged or faulty batteries separately from batteries in good condition or new batteries.
- Collect damaged or faulty batteries and dispose of them as soon as possible via a recycling company.
- Do not store damaged lithium-ion batteries inside buildings.
- Store damaged batteries in dedicated lithium-ion battery storage containers in order to
  and placed outside buildings.
- The cabinets are designed to store batteries with a maximum power of 2 kW and a maximum weight of 15 kg.
- Chargers and batteries may only cover a maximum of 60% of the surface area of the shelves / gratings, to ensure that the fire-fighting system functions correctly and that there is sufficient air circulation.
- Technical ventilation (to heat building up inside) must be in constant operation.

3. SPECIFICATIONS

ensure the safety of and property, we have created a safety storage solution for lithium-ion batteries. These batteries present a number of risks, the best known and most frequent of which is thermal runaway, which can be caused by a rise in temperature in the environment, a shock, or a problem with the assembly of the battery. As a result, the battery can ignite dangerously, causing a fire.

Drawing on our experience and expertise in European standard EN 14470-1 90-minute fireproof cabinets, we offer several models in different sizes to meet wide range of storage needs.

3.1. Compliance :

- Cabinets tested and approved for 90 minutes to EN 14470-1 and EN 1363-1 standards.
- These products have a thermal resistance to fire outside inside of 105 minutes according to the ISO 834 curve.
- These products have a fire-stop construction (from the inside out) certified to EI 180min type. A1, in accordance with standard NF EN 13501-2.
- These products comply with standards NF EN 16121+A1: 2018 and NF EN 16122: 2012 level 2.
- These products meet the requirements of EU regulation 2023/1542, article 42-4 concerning the conditions for
  storage capacity of lithium-ion batteries.
- The standardised pictograms comply with ISO 3864, ISO 7010 and EN 14470-1 standards, as well as European Directive 92/58/EEC.

3.2. Technical specifications :

- Steel construction and double triple-wall thermal insulation, with external walls in 12/10 steel, finished in white RAL 9010 epoxy paint and inside walls in white RAL 9010 melamine.
- Thermal insulation panels to reduce thermal bridges.
- Lockable.
- Perforated shelves with load capacity up to 100 kg (Ref: E48LI - E35LI).
- Removable drip tray at bottom (Ref: B148 - B235).
- Ventilation ports with 100 mm diameter ventilation outlet for possible connection to a ventilation system (external outlet / ventilation or filtration box) avoid internal heat build-up or stagnation of vapours in the event of electrolytic liquid leakage.
- Ventilation ducts with thermo-fusing system to isolate the contents of the cabinet in the event of fire.
- Thermo-expanding door seals.
- Self-closing doors.
- Fixing for earthing.

3.3. 790+Li series references

Ref.	Designation	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Unladen weight excluding options
793+LI	2-door counter cabinet to equip	1100 x 1137 x 670 (1)	820 x 1000 x 410	297
798+LI	1-door counter cabinet to equip	1100 x 635 x 670 (1)	820 x 490 x 410 mm	182
794+LI	1-door tall cupboard to be fitted	1950 x 635 x 620 (2)	1620 x 490 x 410	287
795+LI	2-door tall cupboard to be fitted	1950 x 1137 x 620 (2)	1620 x 1000 x 410	453

Ref.	Designation	External dimensions H x W x D (mm)	Weight (kg)
793+LIA2	2-door countertop 90-minute fire cabinet for lithium batteries, pre-fitted with 2 E35LI shelves + 1 x EX100LI (extinguisher)	1100 x 1137 x 670 (1)	299
793+LIX2	2-door counter-top 90-minute fire cabinet for lithium batteries, pre-equipped with 2 E35LI shelves + 1 x VIG190 (visual and audible alarm, control box, self-activating smoke detector, EX100LI fire extinguisher and cable duct at top [ref. PINTOLI])	1100 x 1137 x 670 (1)	302
798+LIA2	1-door countertop 90-minute fire cabinet for lithium batteries, pre-fitted with 2 E48LI shelves + 1 x EX100LI (extinguisher)	1100 x 635 x 670 (1)	184
798+LIX2	1-door countertop 90-minute fire cabinet for lithium batteries, pre-equipped with 2 E48LI shelves + 1 x VIG190 (visual and audible alarm, control box, automatic smoke detector, EX100LI fire extinguisher and cable duct at top [ref. PINTOLI])	1100 x 635 x 670 (1)	187
794+LIA4	1-door high 90-minute fire cabinet for lithium batteries, pre-equipped with 4 E48LI shelves + 1 x EX100LI (extinguisher)	1950 x 635 x 620 (2)	289
794+LIX4	1-door high 90-minute fire cabinet for lithium batteries, pre-equipped with 4 E48LI shelves + 1 x VIG190 (visual and audible alarm, control box, self-activating smoke detector, EX100LI fire extinguisher and cable duct at top [ref. PINTOLI])	1950 x 635 x 620 (2)	292
795+LIA4	High 2-door 90-minute fire cabinet for lithium batteries, pre-equipped with 4 E35LI shelves + 1 x EX200LI (fire extinguisher) and 4 E35LI shelves	1950 x 1137 x 620 (2)	455
795+LIX4	High 2-door 90-minute fire cabinet for lithium batteries, pre-equipped with 4 E35LI shelves + 1 x VIG290 (visual and audible alarm, control box, automatic smoke detector, EX200LI fire extinguisher and cable duct at top [ref. PINTOLI])	1950 x 1137 x 620 (2)	457

(1) Depth including rear connecting sleeve. Depth without sleeve: 620 mm
(2) Height including top connecting sleeve. Height without sleeve: 1900 mm

4. INSTALLATION AND COMMISSIONING SERVICE

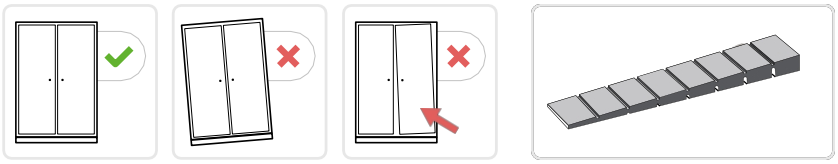
4.1. Transport and handling

The safety cabinet you have just received has been protected and transported in optimum conditions to ensure that it is not damaged during transport. The safety cabinet must only be lifted from below using an appropriate means (suction cup, strap, etc.).

It must be transported in an upright position and never lying down. It is essential to avoid tilting it when it is being lifted and transported. This could cause damage that could impair the correct operation of the safety systems fitted to the enclosure.

Furthermore, if this cabinet has to be moved, it must be placed on a pallet and strapped down in order to to prevent falls.

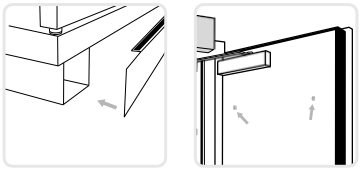
4.2. Installation



The cabinet must be installed on a perfectly flat surface that can bear the weight of the cabinet when fully loaded. Make sure that whole cabinet is properly wedged to prevent it from tipping over and that the automatic door closing system operates correctly (this system is checked before dispatch). Any levelling and shimming must be carried out by the user.
Correct levelling of the enclosure must eliminate any deformation of the frame, enable the doors to be strictly parallel to the frame and prevent the doors from rubbing against the cabinet frame. The cabinet must be installed in a place that ensures :

- It must not be exposed directly or indirectly to any source of heat.
- It must be protected from humidity and the ambient temperature where it is located must not be too high. no lower than -5°C and no higher than +40°C.

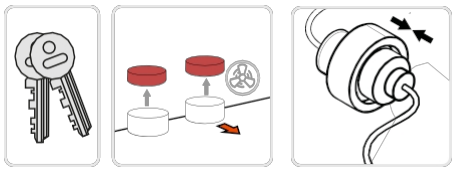
To secure the cabinetuse the small brown shims supplied with your cabinet. (see above)



Once the cabinet is properly secured, the plinth should be fitted to the bottom of cabinet (see above).
The plinth is supplied inside the cabinet and hides the cabinet base.
It slides along the front until it is in contact with the cabinet legs. The seal should be on the top. For
To remove the skirting board, simply pull on both sides.

Once your wardrobe has been properly secured, the small pegs should be screwed into the doors.
.

4.3. Commissioning



After unpacking the cabinet, check that you have received a set of 2 keys to operate the lock. Remember also to remove the red plugs fitted to the cabinet's two ventilation holes.
Before the enclosure is put into service, it should be inspected to ensure that no damage has occurred to the safety systems. The condition of the seals must therefore be checked, as well as that of the ventilation outlets, the door closing system, etc.). The cabinet should only be used if it is in perfect condition.
To complete the commissioning of your enclosure, please connect it to the mains supply using the plug (depending on the model). Your safety cabinet must be installed, used and maintained in such a way as to guarantee the protection of users.

4.4. Swing doors

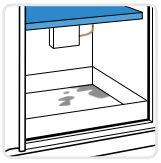
The hinged doors are opened by pulling the handle towards you. The automatic closing system ensures that the doors always close again after each use.
Cabinet doors must be kept closed when no-one is to have access to the contents.
of it. Be careful not to obstruct the opening or closing of doors.
To ensure that the door latch works properly, it is essential regularly apply an anti-slip primer.
Penetrating oil on the door hinges.

4.5. Automatic bulb extinguisher

For cabinets fitted a self-contained extinguisher with a thermal bulb, once the cabinet has been properly installed, the safety pin on the extinguisher should be removed to allow it to operate correctly (see below, pin circled in red).
If the pin is , the extinguisher will not work in the event of a fire in the cabinet.

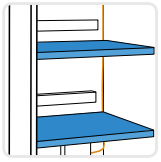
5. INTERIOR FITTINGS FOR L'ARMOIRE

5.1. Retention bin



According to **EN 14470-1**: A floor retention tank must always be installed below the lower storage level. The floor retention tank must have a minimum capacity of 10% of all the containers stored in the cabinet, or at least 110% of the capacity of the largest single container, whichever greater.

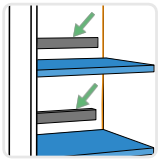
5.2. Perforated shelves



Perforated blue shelf with a load capacity of 100 kg, evenly distributed (ref. E48LI and E35LI).

Ref.	Designation	Weight (kg)	Cabinet(s) concerned
E48LI	Perforated shelf for 1-door wardrobe	5	798+LI and 794+LI
E35LI	Perforated shelf for 2-door wardrobe	7	793+LI and 795+LI
B148	Retention bin for 1-door cupboard	5	798+LI and 794+LI
B235	Retention bin for 2-door cupboard	10	793+LI and 795+LI

5.3. Characteristics of power strips



- Type of profile: Anodised aluminium
- Power supply: 2 m H05VVF cord - 3 x 1.5 mm² with moulded E+F Franco-German plug 16 A - 250 V
- Socket type: E+F, 2-pole+ earth 16 A - 250 V with honeycomb plugs, 45° orientation
- Number of sockets: 8
- Colour: Black

Ref.	Designation	Weight (kg)	Cabinet(s) concerned
PRISELI	Rack of 8 electrical sockets (220 volts - 4000 watts - 16 amps - 50hz)	2	All models
PRISELIF	Rack of 8 type F sockets (Germany)	2	
PRISELICH	Rack of 8 type J sockets (Switzerland)	2	
PRISELIUK	Rack of 7 type G sockets (United Kingdom)	1,7	
PRISELICC	Rack of 6 electrical sockets fitted with a circuit-breaking magneto-thermal circuit breaker	-	All models

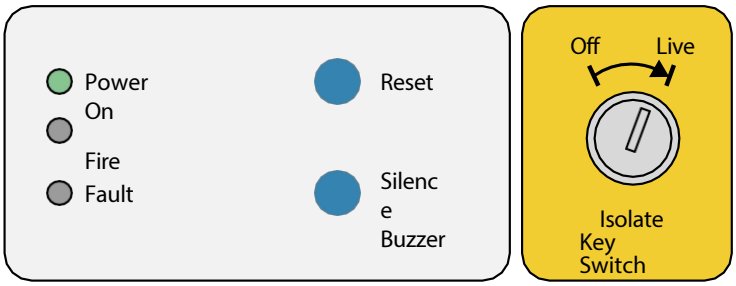
6. CONNECTING THE AUDIBLE AND VISUAL ALARM BOX

6.1. Overview

The control panel of the central unit detects a fire in an electrical or computer cabinet using a linear heat cable or smoke , and extinguishes it using an aerosol generator.

The control unit has an input for connecting the linear heat detection cable or smoke detectors or a combination of the two. It continuously checks the connection of the detection devices. There are four outputs for connecting and controlling aerosol dispensers. Disconnection of any one of them will indicate a fault.

The control unit requires a 24V DC power supply capable of delivering 1.6A for a short period to operate the aerosol . It must be powered by an additional back-up battery (not supplied) to cope with a power cut. Terminals are provided for connection to and from the 24V DC power supply. The cabinet is fitted with a 220V AC -> 24V DC transformer which must be connected to the mains. Dry contacts are available to signal fire conditions and/or faults in the control panel or monitoring equipment. By selecting the appropriate jumper cable arrangement, it is possible to signal an addressable input module via a simple 2-wire link.



6.2. How it works

Power On

Under normal circumstances, only the green LED is lit, none of the aerosol outputs are switched on and the buzzer is silent. Operating the keyed isolation switch by turning the key anti-clockwise from "Live" to "Off" isolates the four extinguisher outputs, preventing discharge, the yellow error LED lights up and the internal buzzer sounds (audible alarm). This mode should only be used for servicing, maintenance or temporary purposes. In the "Off" position and when the detection circuit is activated, the fire extinguisher outputs do not function. In normal operation, the key must be turned to "Live".

Fault

The wiring of the detection circuit and the power supply to the aerosol dispensers is supervised. Any disconnection of the wiring is indicated by the yellow error LED on the front panel and the activation of the internal buzzer (audible alarm).
If the electrical circuit is opened (cable break, incorrect tightening, etc), the internal dry contact fault is activated.
Internal indicators are provided to indicate a problem with the wiring of the detection circuit or that of the aerosol dispensers.
The audible alarm can be deactivated by pressing the "Buzzer Silence" button.
If the key-operated isolation switch is in the Off" position, servicing, maintenance or other purposes, it must be turned off.
temporarily, the yellow error LED lights up and the internal buzzer sounds (audible alarm).

Fire

When a fire is detected, the red fire indicator lights up, the aerosol cans immediately discharge into the protected area, the internal buzzer sounds, the external visual and audible alarm goes off and the fault indicator lights up, indicating that the aerosol cans have been triggered and must be replaced.

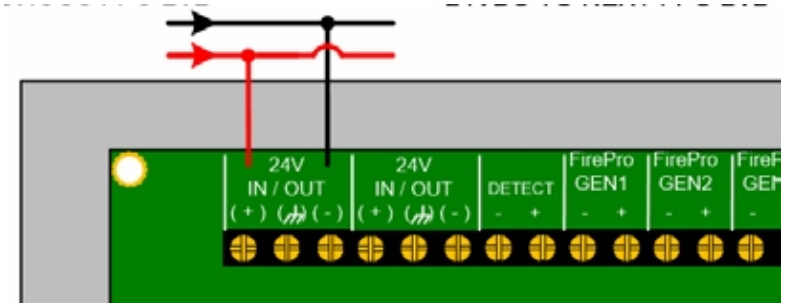
The internal dry contact relay operates and signals the fault remotely.
The audible alarm can be deactivated by pressing the "Buzzer Silence button.
When key isolation switch is in the "Off" position and the detection circuit is activated, the internal dry contact continues to operate (switching). The "Reset" and "Buzzer Silence" buttons remain operational when pressed.

After fire has been activated and the aerosol replaced, the system can be put back into operation.
normal operation by pressing the reset button on the front of the controller.

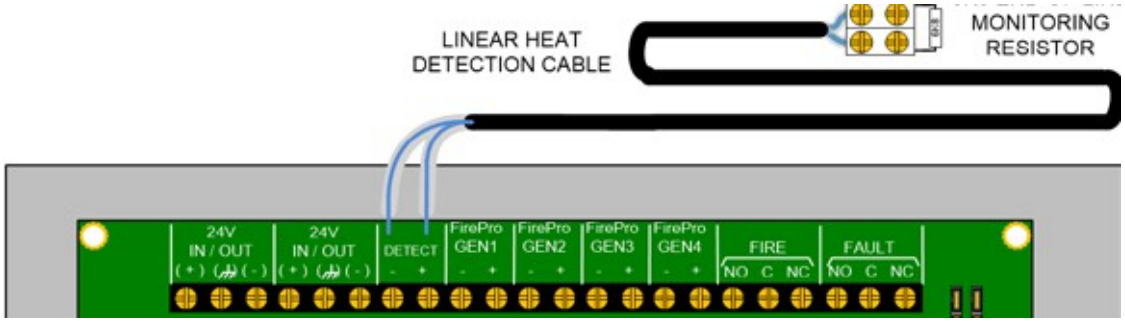
Note 1
The control box will remain in fault mode until the aerosol dispenser is replaced.

Note 2
Fires are generally triggered by a short-circuit, an overheated cable or a component that is poorly powered. As soon as the aerosols are triggered, we recommend cutting off the electricity supplying the equipment so as not to maintain the cause of the fire.

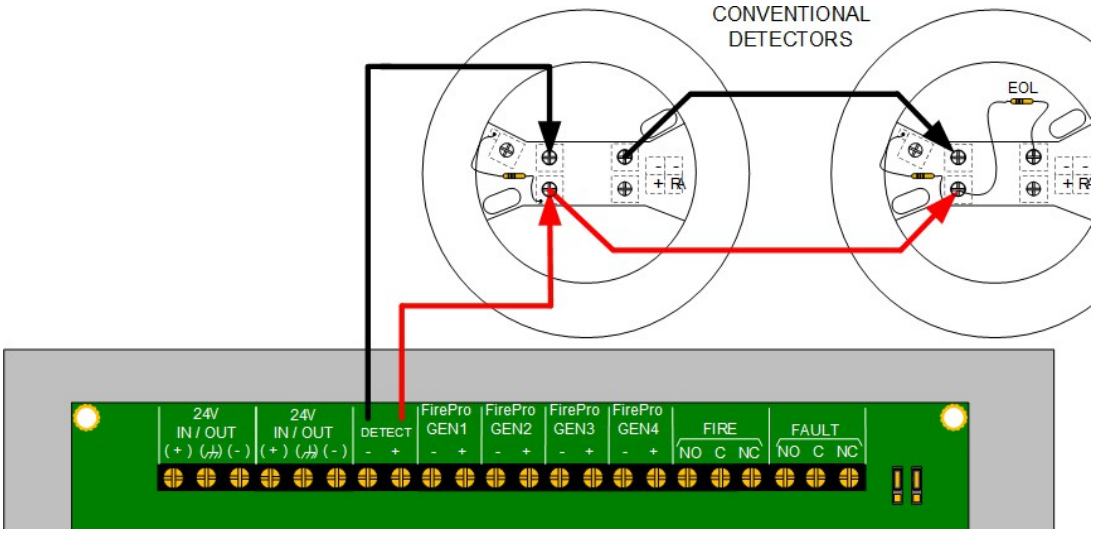
6.3. Connecting the terminal block to the board

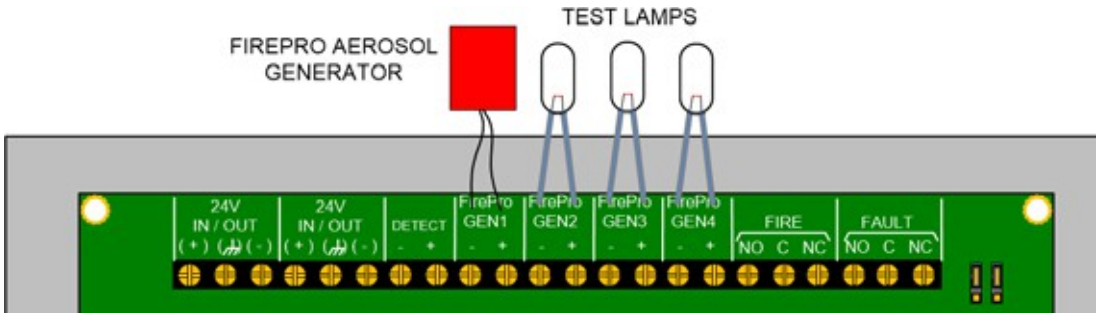


24V IN / 24V OUT
These are the power supply terminals. The polarity of these terminals is very important. The 24V DC IN is for connecting power from a previous unit or 24V supply and the OUT is for connecting to other VIG290 units. Use a minimum cable size of 1.5mm2 and a maximum cable length of 100 metres or a maximum cable size of 2.5mm2 and a maximum cable length of 160 metres.



Detection
These terminals are dedicated to the connection a conventional 24V DC smoke detector or other sensing device such as a linear heat sensing cable. A 6.8K line monitoring resistor should be fitted to the end of the detector. This should be removed from the terminal block to provide open circuit monitoring for the sensing cable.



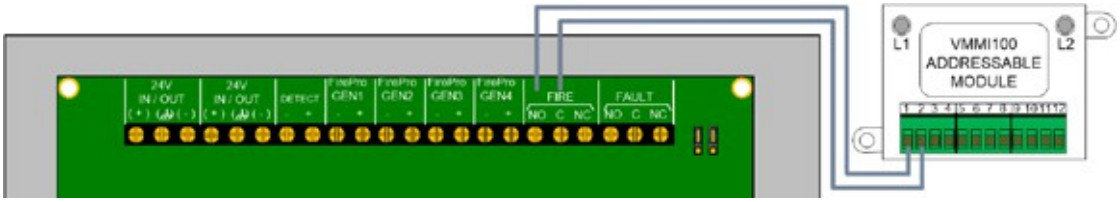


Note:
Automatic smoke detectors are sensitive polarity, which must be respected.

If a short-circuit occurs on the detection line (either activation of the linear heat detector or activation of the smoke detector [470 Ohms] or by accident) the control unit will immediately activate the aerosol generators.

Connections to aerosol dispensers

These terminals are for connecting aerosol dispensers. Test lamps are supplied with the control unit to enable the system to be tested before the aerosol dispensers are connected. These test lamps must be removed from the terminals if an aerosol dispenser is connected. Any supply output for aerosol dispensers that is not in use must be left with a test lamp connected.



Light contact for remote signalling

A relay with a potential-free dry contact state each time the system has detected a fire condition. This contact is rated for a maximum of 30V DC and 1 Amp. These specifications must not be exceeded.

Fault contact for remote signalling

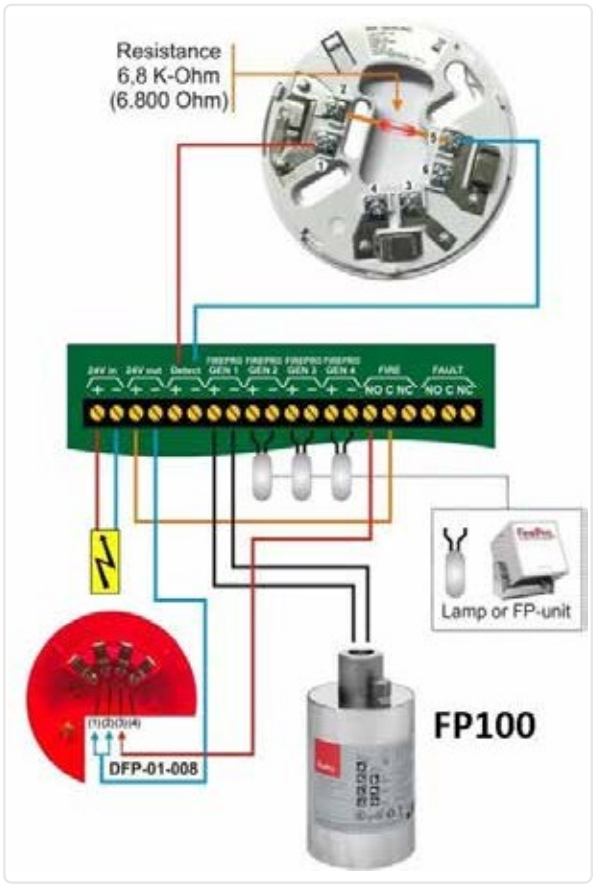
A relay with a potential-free dry contact changes state each time the system is faulty. This contact is designed for a maximum of 30V DC and 1 Ampere. These specifications must not be exceeded.

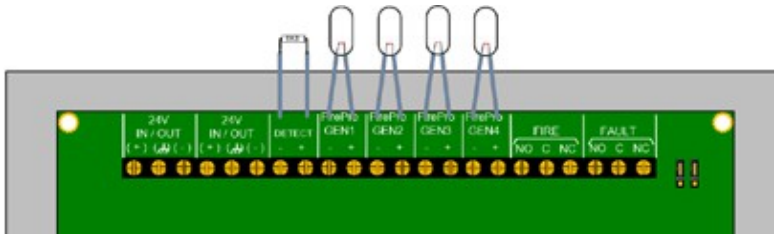
Connection to addressable modules

The FPC-2V2 panel can be configured to trigger a VMMI1000 addressable module with fire and fault signals via the FIRE and FAULT relay contacts. To make the FPC- 2V2 compatible with the addressable input module, move the jumper cables J1 and J2 from their default position (position A) to position B.

The FIRE NO and C terminals can now be connected directly to the addressable input module, as shown in Figure 8. Alarm and fault conditions will be indicated on an appropriately addressed fire alarm control panel.

Note:
The dry contacts cannot be used for anything else when the contacts are connected to the addressable input module.





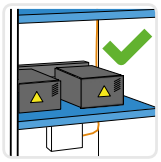
Testing and commissioning

Disconnect AEROSOL generators before testing.

- Check that all aerosol dispensers are disconnected from the control unit. Make sure that the
  The test leads supplied with the device are connected to terminals GEN1, GEN2, GEN3 and GEN4.
- When the device is powered up and all connections are correct, only the green LED should be lit. If a fault indicator is lit, the wiring of the appropriate input or output must be checked and any faults eliminated before proceeding.
- Ensure that the isolation key switch is in the "Live" position. Trigger the detection input by activating a smoke detector or a linear heat detector. Ensure that the test lamps connected to the GEN terminals light up immediately, red fire LED lights up on the front panel, the yellow fault LED lights up and the buzzer sounds. Press the buzzer silence button to stop the audible alarm and then press the Reset button.
- Disconnect the detector wiring and check that the yellow LED on the front panel and the internal yellow LED marked DEL4 are lit and that the buzzer sounds. Press the silence buzzer button to stop the alarm. Reconnect the detector cable and ensure that the fault indication disappears.
- Disconnect one of the test lamps and ensure that the yellow LED on the front panel and the internal yellow LED marked LED5 are lit and the buzzer sounds. Press the buzzer silence button to stop the alarm. Reconnect the test lamp and ensure that the fault indication disappears.
- Set the isolation key switch to the "Off" position and ensure that the yellow LED on the front panel and the internal yellow LED marked LED5 are lit and the buzzer sounds. Turn the isolation key switch to the "Live" position and ensure that the fault indication disappears.

Ref.	Designation	Weight (kg)	Cabinet(s) concerned
EX100LI	Fire extinguisher automatically triggered at 79°C by special lithium thermal bulb	2	All models except 795+LI
EX200LI	Self-activating fire extinguisher at 79°C with special lithium thermal bulb for 795+LI	3	795+LI
VIG190	Security and alarm package including visual and audible alarm, control box, automatic smoke , EX100LI fire extinguisher and cable ducting	5	All models except 795+LI
VIG290	Security and alarm package including visual and audible alarm, control box, self-activating smoke detector, EX200LI fire extinguisher and cable duct for 795+LI	6	795+LI

7. STORAGE



This cabinet is exclusively intended for storing and/or recharging lithium-ion batteries in work areas. Under no circumstances should it be used to store chemical products (acids, bases, magnesium, other metals (in powder form)). Recharging a lithium-ion battery generates heat!

We remind you that the storage of corrosive products can alter the correct operation of safety cabinets. We would also like to remind you that damage due to incorrect use of the cabinet, and in particular to corrosion, is not covered by our manufacturer's warranty.

When storing batteries in the safety cabinet, we recommend that new and used lithium-ion batteries are not stored on the same level.

The shelves / gratings should only be covered to a maximum of 60% of their surface by the lithium batteries, to ensure that the fire-fighting system functions correctly and that there is sufficient air circulation.

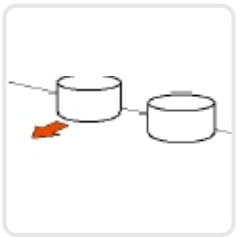
The surface area of a storage level must not be completely occupied.

A technical area without batteries must be maintained at the top of enclosure. No batteries should be installed less than:

- 335 mm from the roof for a cabinet fitted an EX100LI extinguisher (385 mm from the roof for an EX100LI extinguisher fitted with a thermal bulb),
- 375 mm from the roof for a cabinet fitted an EX200LI extinguisher (425 mm from the roof for an EX200LI extinguisher fitted with a thermal bulb).

When charging lithium-ion batteries, heat is generated and mechanical ventilation must be maintained. in operation at all times (heat build-up inside).

8. VENTILATION

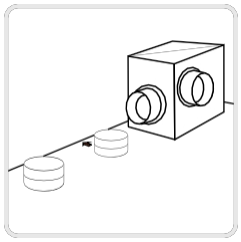


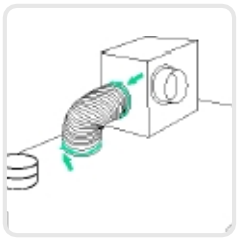
8.1. Introduction

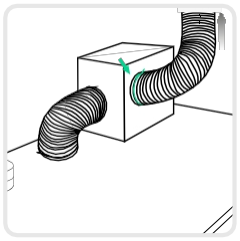
First of all, remove the red plugs fitted to the two ventilation holes in the cabinet. To evacuate the vapours, connect the sleeve marked with a red arrow marked "OUT".

We recommend that you connect your safety cabinet to a forced ventilation system in order to evacuate any vapours contained in it (please contact your usual retailer if you have any questions on this subject).

8.2. Connection to a ventilation system







The ventilation boxes are connected to the enclosure using a connection kit (comprising a connection sleeve, two hose clamps and one metre of flexible duct).

The fan included in the casing ventilates the interior of the cabinet, drawing in hot air to prevent heat build-up when charging the batteries, and discharging the hot air outside the building via a roof or wall exhaust.

Air renewal must be at least 10 times the volume of the cabinet per hour, with the door(s) closed. The forced ventilation must operate 24 hours a day without interruption.

8.3. Operation without forced ventilation

It is possible for your safety cabinet to operate without ventilation. However, your cabinet must be placed in a room with its own forced ventilation (at least 5 times the volume of the room per hour).

If there is no connection to mechanical ventilation, the area immediately surrounding (2.5m radius around the enclosure) or inside the enclosure could become hazardous or could accumulate dangerous concentrations. In this case, refer to national regulations.

If your enclosure's ventilation system is not , you must indicate this by affixing a label stating "Enclosure not connected to forced ventilation" to one of the doors (not supplied).

9. IN THE EVENT OF A FIRE IN THE CABINET

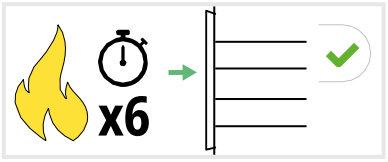
In the event of a fire in a lithium-ion battery cabinet, it is important to take the following measures:

- Switch off main power supply to the cabinet and the battery.
- Evacuate the area immediately and inform the relevant authorities.
- Use dry powder extinguishers to put out the fire.
- Secure the batteries in the other cabinets and store them in a safe place.
- Have the cabinet inspected by a qualified technician before putting it back into service.

Note:
It is important not to open the cabinet after a fire, as the batteries may still be hot and the toxic gases and vapours escaping may be harmful to health. In addition, the cabinet may be damaged and may not function properly after the fire, which could lead to safety risks.

10. AFTER THE FIRE

10.1. Opening the cabinet



- **Do not open the cabinet until it has cooled down. That's 6 times the duration of the fire!**
- **Only authorised personnel (e.g. fire brigade) may open the cabinet!**

Depending on the duration of the fire, a flammable mixture of vapours and air may have formed inside the enclosure. For this reason, all sources of ignition should be removed within a 10 m radius of the enclosure before is opened. Only use non-sparking tools. Open the enclosure with extreme caution.

10.2. Returning the cabinet

After a battery has fire and the fire extinguishing system has been triggered, the safety cabinet must undergo a thorough inspection to ensure that fire protection and CE conformity are maintained.

To do this, the cabinet must be returned to our factory in Dreux, where the specialist department (depending on the degree of damage) assesses the cost-effectiveness and technical feasibility of a repair. The customer then receives a repair or replacement order, which can be forwarded to the property insurer responsible.

11. SECURITY CONTROL

The safety cabinet is a safety element in its own right. To ensure it is fully effective, it should be checked regularly.

11.1. Daily safety checks :

- Check to see if any batteries have leaked onto the shelves or if any liquids have been collected in the spill containment tank. If this is the case, these must be emptied and cleaned as soon as possible using suitable equipment (absorbent mats, etc.).
- Check the enclosure for corrosion.
- Check the cabinet for mechanical damage.
- Check that the doors close properly.
- Check that the lock is working properly.

11.2. Monthly safety checks :

- Check that the doors open and close properly.
- Check that the ventilation system is working properly, using a piece of paper for example (only if your cabinet is connected to a forced ventilation system).
- Lubricate the door rotation bushings with petroleum jelly to ensure smooth operation of the door. system.

If any damage is found, please contact your usual retailer to have the cabinet repaired with original parts.

These checks should be carried out by your maintenance service. If in doubt, or if you have any questions, contact your usual dealer. Refer to the inspection sheet (see appendix on last page).

The cabinet should only be cleaned with soapy water to avoid damaging it. We recommend
We remind you that you must wear appropriate personal protective equipment for any work you do.

12. PARTS

The technical components of safety enclosure are wearing parts and must be replaced at regular intervals (depending on the use and location of the enclosure) by a qualified TRIONYX technician.

Ref.	Designation
Thermo-expanding seals	Contact us **sales@ecosafesa.com** or contact your dealer
Shelf supports Lock + keys	
Code lock	SERCODE
Hole for cable duct with fire-resistant cable duct at bottom (max. 4 cables)	PEXTBALI
Internal cable duct at top	PINTOLI
Perforated shelf	E35Li/E48Li
Retention bin for 1 / 2 door cupboard	B148 /B235
Fire extinguisher	EX100Li/EX200Li
Security and alarm package	VIG190 for all models except 795+LI / VIG290 for 795+LI
Inverter	ONDULI
WiFI data logger and alarm system	SED
Rack of 8 electrical sockets	PRISELI

13. RECYCLING

The safety cabinet can be completely dismantled. The various components, such as metal, can be disposed of separately for recycling. Please observe national and local regulations on waste disposal. Due to their nature, the various components of your cabinet must never be mixed with household waste.

14. GUARANTEE

Your safety cabinet is guaranteed for a period of 12 months against any manufacturing defect and within the following conditions
normal conditions of use, from the date indicated on the delivery note.

We are committed to the quality and conformity of the equipment we use and sell. The new equipment we sell is guaranteed against any manufacturing defect for a period of one year from the date shown on the delivery note. Our guarantee applies exclusively in the event of a defect resulting from a design fault or hidden defect and covers only the replacement of the equipment or parts recognised as defective by our quality and technical department. It is strictly limited to the repair of the equipment in our workshops.

If the equipment is taken over under guarantee, it will be collected from the customer's premises under the following conditions
provided at the time of initial delivery. Spare parts are guaranteed for 3 months after .

This guarantee cannot be invoked in the following cases:
- The equipment is not stored, used in accordance with the instructions or maintained by the user in accordance with normal practice.
- In the event of damage to the equipment by the user or a third party.
- In the event of non-payment the due date of all or part of the price of the equipment.
- The equipment has been modified or repaired by the user or a third party without our written agreement at beforehand.
- In event of normal wear and tear of the product
- In the event of damage caused by corrosion.

The implementation of the guarantee will not have the effect of extending its duration. Our guarantee shall cease to apply automatically if the purchaser does not notify us of the defect within 7 days of discovering it, a date which it is up to the purchaser to prove.

This guarantee does not give entitlement to compensation for costs, damage or operating losses.

The guarantee is excluded in the following cases:
- Normal wear and tear
- No use our own brand consumables.
- Transformation of the product or incompatibility with other materials.
- Abnormal or non-compliant use of the product with regard to its own specifications or negligence on the part of the customer in storage or maintenance.
- Incorrect product installation.
- Damage caused by corrosion.

Registration number FR021626 article L. 541-10 of the French Environment Code.

15. USER CONTROL SHEET

- ☐ Doors open and close correctly
- ☐ Doors are locked correctly
- ☐ The automatic door closing system operates correctly
- ☐ The forced ventilation system is operating correctly (if applicable)
- ☐ The ventilation system is not obstructed
- ☐ Ventilation holes are clean
- ☐ The standard pictogram on the door is in good condition and visible
- ☐ The door hinges are greased
- ☐ The lock is lubricated
- ☐ Door and frame seals are in good condition

16. BATTERY RISK ASSESSMENT

- ☐ Battery cannot be charged / used / discharged LEDs no longer work
- ☐ The cover is damaged
- ☐ The lid has (fine) cracks
- ☐ Liquid (in form) leaking from the battery
- ☐ Traces of gas escaping from the battery
- ☐ Signs of smoke coming from the battery
- ☐ The battery gets very hot
- ☐ Signs of melted pieces of plastic
- ☐ Battery pins missing / showing signs corrosion
- ☐ The battery pins have melted
- ☐ Signs of corrosion on the bottom plate Battery has been in water
- ☐ The charging plug be connected to the battery
- ☐ The battery takes a very long time to start charging

ECOSAFE EUROPE
Phone : +41 (0)21 694 10 04
Fax: +41 (0)21 694 10 00
Chemin des Champs Courbes 15
Zone Industrielle de Vallaire Est
CH 1024 - Ecublens - Switzerland

ECOSAFE ASIA
Tel: +65 8315 1031
Ecosafe Asia Ltd. 23B,
Greenbelt Court
Discovery Bay, Lantau Island, N.T.
Hong Kong SAR

Ecosafe
www.ecosafesa.com