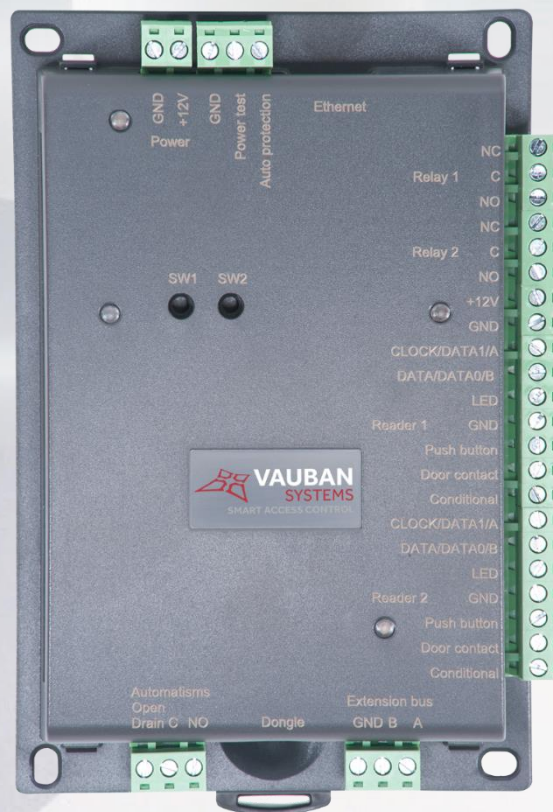


# VERSO+

# VERSO+ 220

Versions 1,2 and 4 readers

## TECHNICAL INFORMATION



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# ACKNOWLEDGEMENT

Dear client,

You have just purchased a "VERSO" unit manufactured by the French company Vauban Systems.

We thank you for your interest in our products.

If you want more information about our range, please visit our website [www.vauban-systems.fr](http://www.vauban-systems.fr).

We wish you a trouble-free installation.

Vauban Systems



# INFORMATION AND RECOMMENDATIONS



Pursuant to European directive UTE C00-200 incorporating directives 2004/108/CE, VERSO+ complies with the following standards :

- + NF EN 50081-1 governing electromagnetic radiation,
- + NF EN 50082-1 governing electromagnetic susceptibility.
  
- + **Cabling recommendations:** the cables used to connect readers, the network and other peripherals must be installed in accordance with the instructions for Level 2 (protected environment) of standard NF EN 61000-4-4.
  
- + **This product must be installed by an approved company.** Incorrect installation and use may result in electric shock or fire. Before installation, read the technical information and comply with the recommendations for assembling the product.
  
- + **For the 220V version, once the power is turned off, all the internal capacitors will discharge themselves to a safe level after 60 seconds under normal conditions. However, in the event of a power failure, the charge may be maintained for much longer and suitable precautions should be taken before handling the product.**



# TECHNICAL CHARACTERISTICS

## VERSO+

<b>+</b> Maximum power consumption:	300 mA
<b>+</b> Supply voltage:	9 – 14VDC
<b>+</b> Weight with housing:	257g
<b>+</b> Housing dimensions:	170 x 116 x 40 mm
<b>+</b> Operating temperature:	0°C à + 50°C
<b>+</b> Control relay:	1A / 12V – 1A / 24V

## VERSO+ 220

<b>+</b> Weight with housing:	4Kg
<b>+</b> Housing dimensions:	365 x 310 x 90 mm
<b>+</b> Operating temperature:	0°C à + 50°C
<b>+</b> <i>Alimentation 220V intégrée :</i>	
○ Output voltage:	12V
○ Maximum output current:	3A et 2A
○ Battery connection:	12V, 7Ah (dim. 151 x 97,5 x 65 mm) or 12V, 18Ah (dim. 181 x 167 x 76 mm)
○ Control relay:	1A / 12V – 1A / 24V

# COMPATIBILITY

The VERSO+ 2 unit is compatible with the version 2.0.0.20 of VISOR or higher.

The VERSO+ 1 and 4 units are compatible with the version 2.0.0.24 of VISOR or higher.

To download the latest version, you can use the link:

[www.vauban-systems.fr/Visor.zip](http://www.vauban-systems.fr/Visor.zip)

The VERSO+ units is compatible with our modules V-EXT4, V-EXT4+, V-EXTIO et V-EXTLCD.

# CONNECTING A DEVICE USING THE WIEGAND OR CLOCK&DATA PROTOCOL



## WIEGAND :

- + Proximity readers (HID, STID, DESTEIR, INDALA, ...)
- + Key pads (XPR, ...)
- + Biometric readers (MORPHO, ...)
- + Radio receivers (TECHNO EM, ...)

## CLOCK & DATA:

- + Magnetic strip readers
- + Barcode readers
- + Proximity readers
- + Radio receivers

## RS485 :

- + DIGITOUCH MINI EXT
- + SSCP
- + OSDP

## INFORMATIONS :

- + 5 conductors (3 pairs recommended)
- + Max. distance: 100m (30m in RS485)
- + Cable type: 0.6 mm (SYT recommended)
- + Screen: Optional

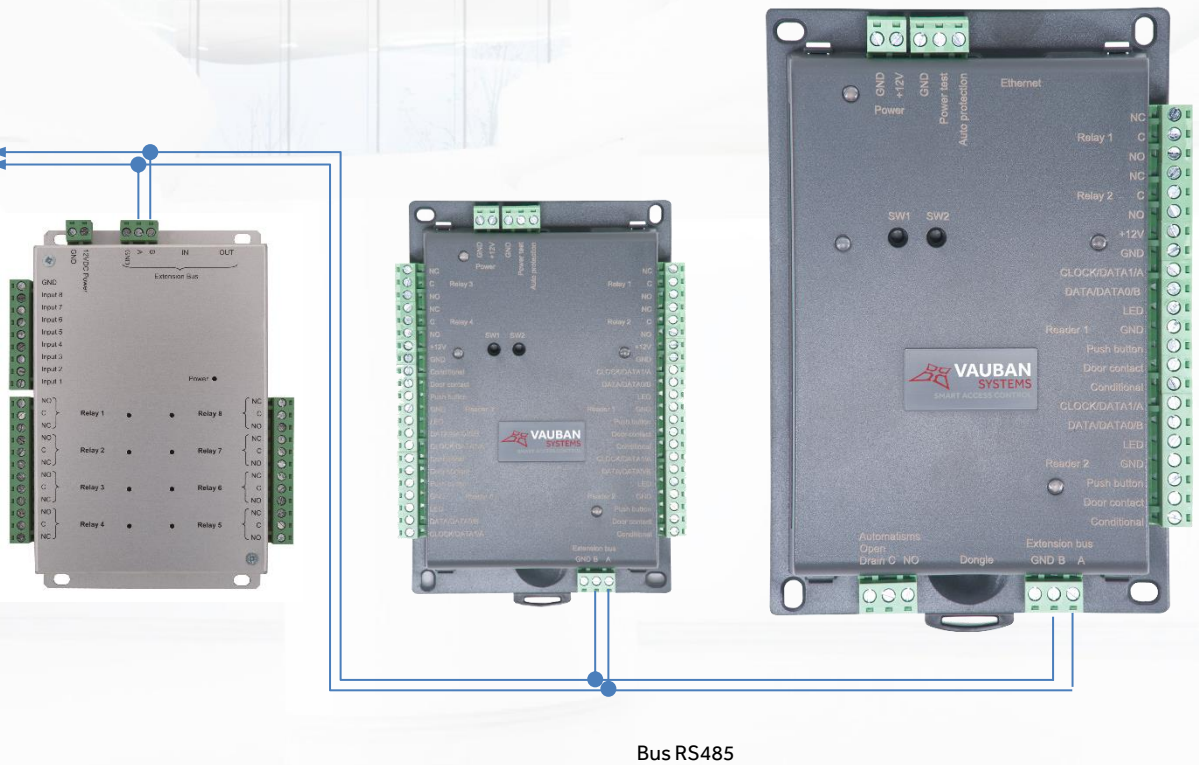
**WARNING:** If you use an external power supply for your proximity readers, take care to **connect the various earths to that of the unit.**

**WARNING:** Do not install the unit-reader cables near other high voltage or high current cables, particularly 220V or higher.

**NOTE:** Each reader can have different technology (e.g. Reader 1 using Wiegand, Reader 2 using Clock & Data).

# CONNECTING V-EXT4+ AND V-EXT-IO

Up to 10  
modules per  
VERSO+



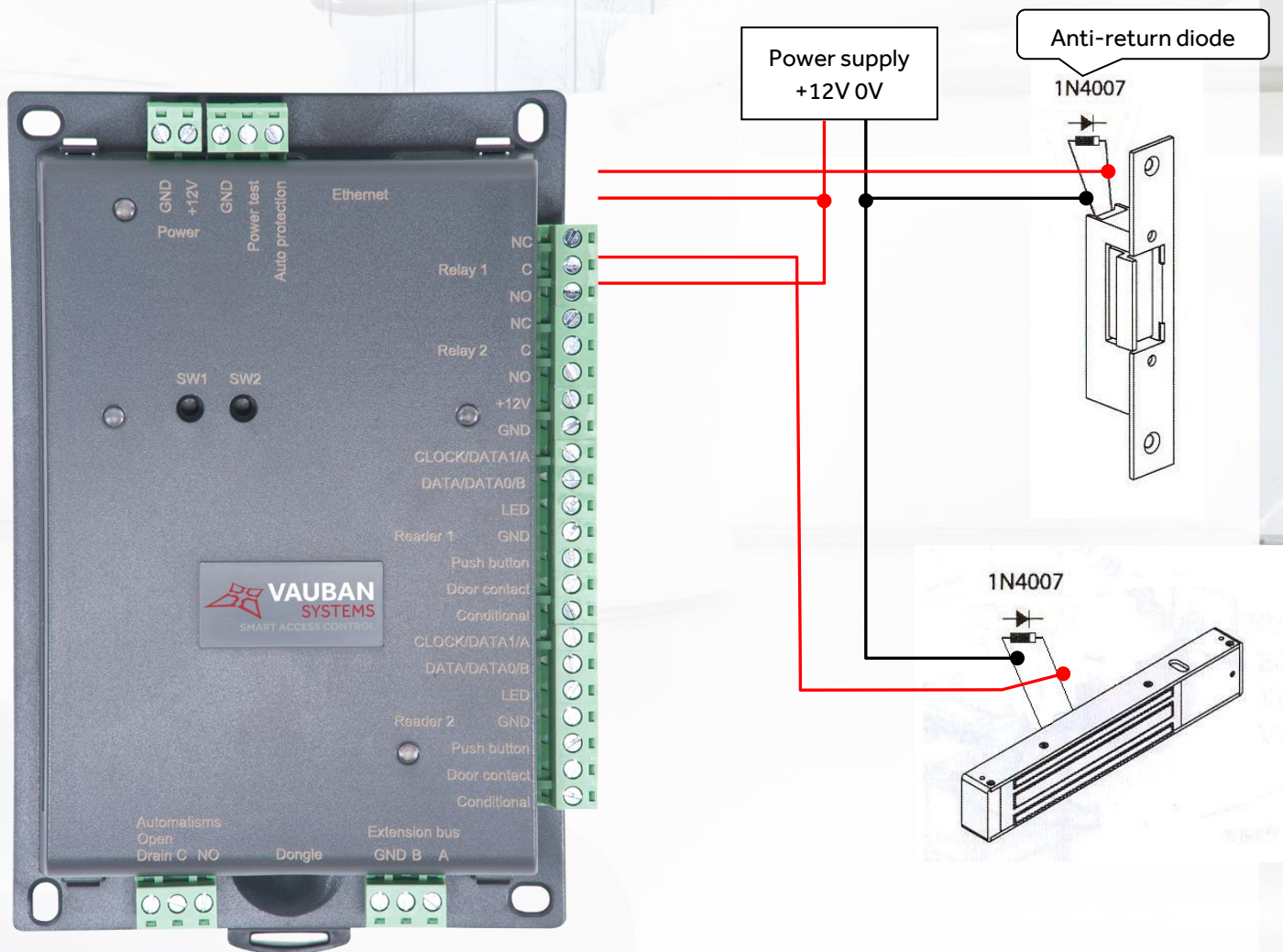
You can also use the A and B terminals on the V-EXT4 modules to connect an RS485 bus.

## INFORMATIONS :

- + 2 conductors (2 pairs recommended)
- + Max. distance: 750 m
- + Cable type: 0.6 mm (SYT recommended)

**WARNING:** Do not install the cables near other high voltage or high current cables, particularly 220V or higher. Use the same pair for the A and B lines.

# CONNECTING A POWER LOSS BOLT AND AN ELECTROMAGNETIC DOOR LOCK OPERATING ON POWER LOSS

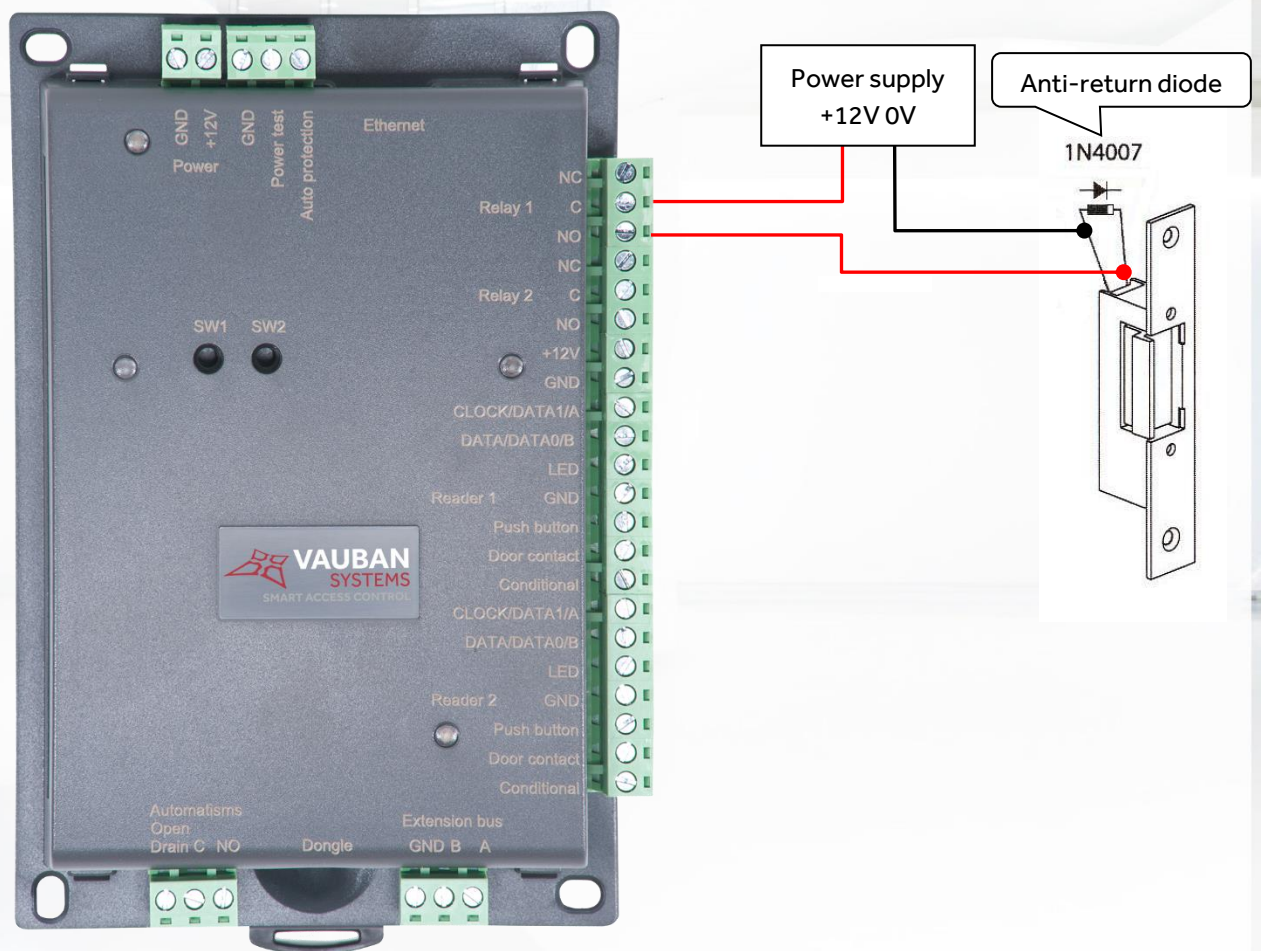


**WARNING:** In order to prevent random malfunctions that may interfere with proper system operation due to back-currents, **it is imperative to use and connect the anti-back-current diodes supplied with the unit in compliance with the cabling diagram above.**

Even when using an additional uninterruptible power supply for locking separate to that of the unit, **it is obligatory to follow the above cabling diagram.**



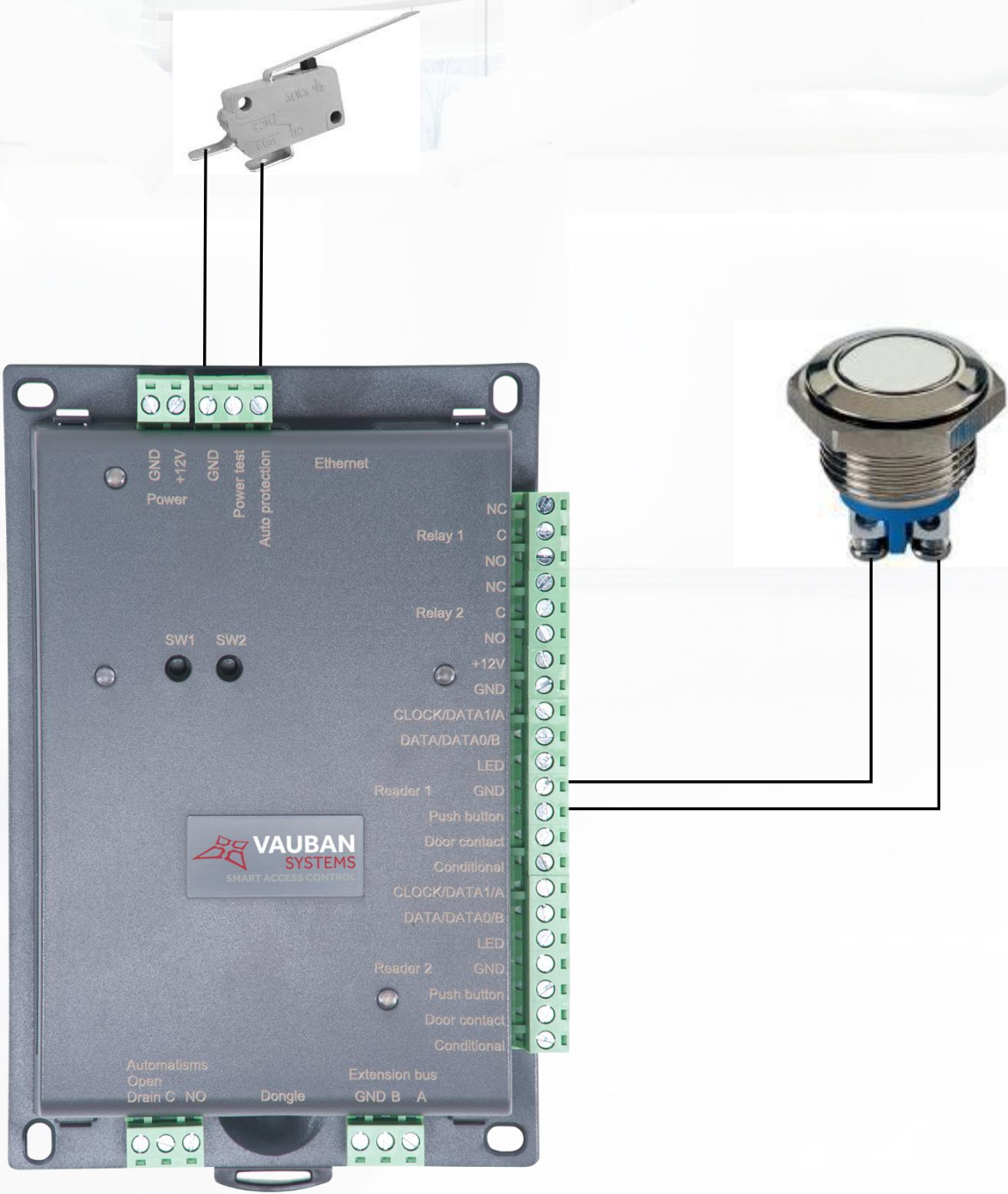
# CONNECTING A STANDARD POWER-ON DOOR LOCK



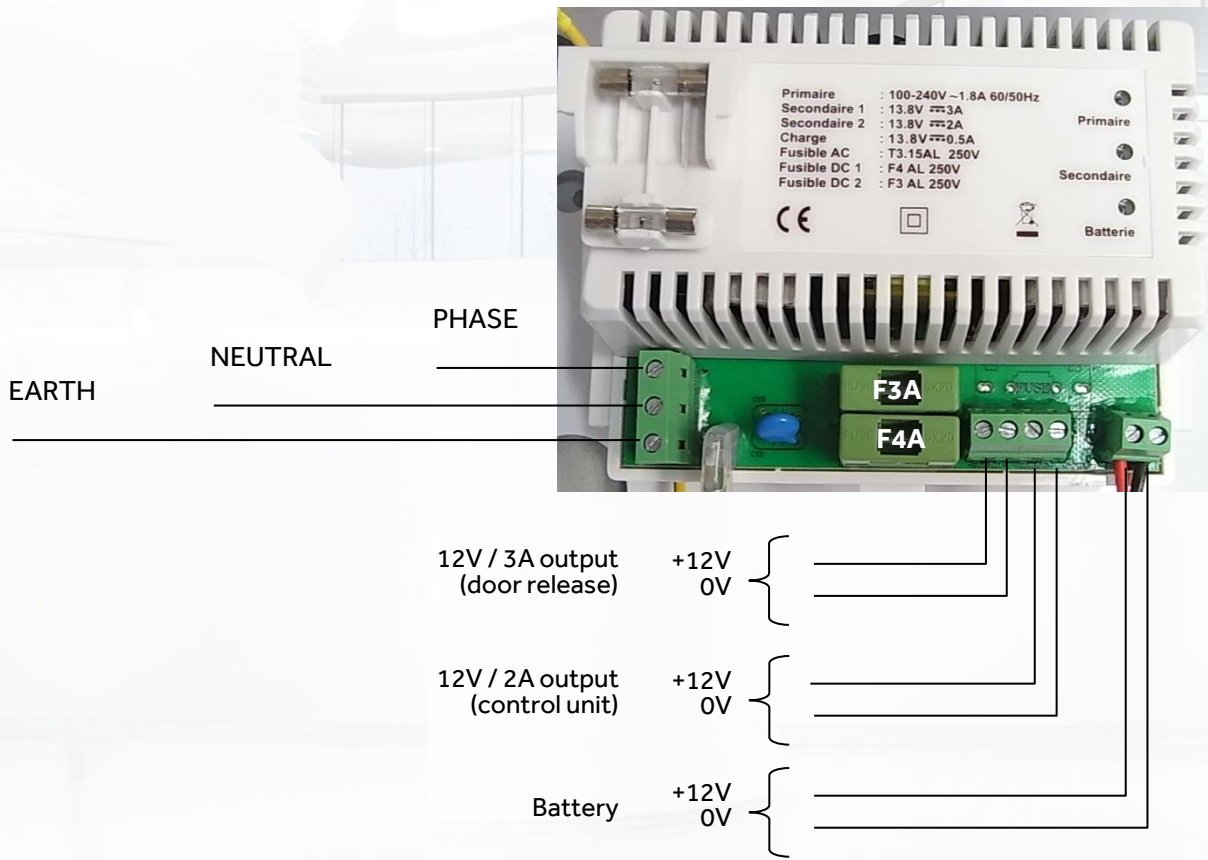
**WARNING:** In order to prevent random malfunctions that may interfere with proper system operation due to back-currents, **it is imperative to use and connect the anti-back-current diodes supplied with the unit in compliance with the cabling diagram above.**

Even when using an additional uninterruptible power supply for locking separate to that of the unit, **it is obligatory to follow the above cabling diagram.**

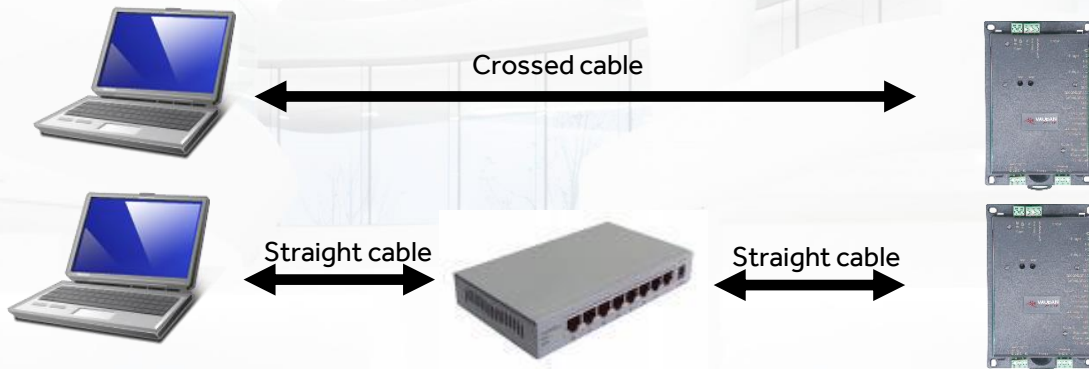
# CONNECTING A PUSH BUTTON AND MICROSWITCH TO THE COFFRET 220 ENCLOSURE



# CONNECTING THE POWER SUPPLY



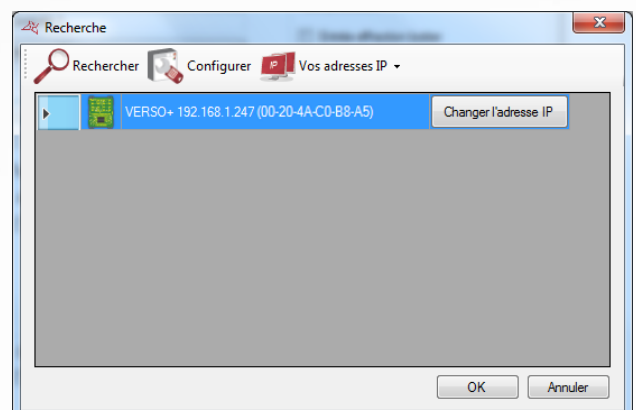
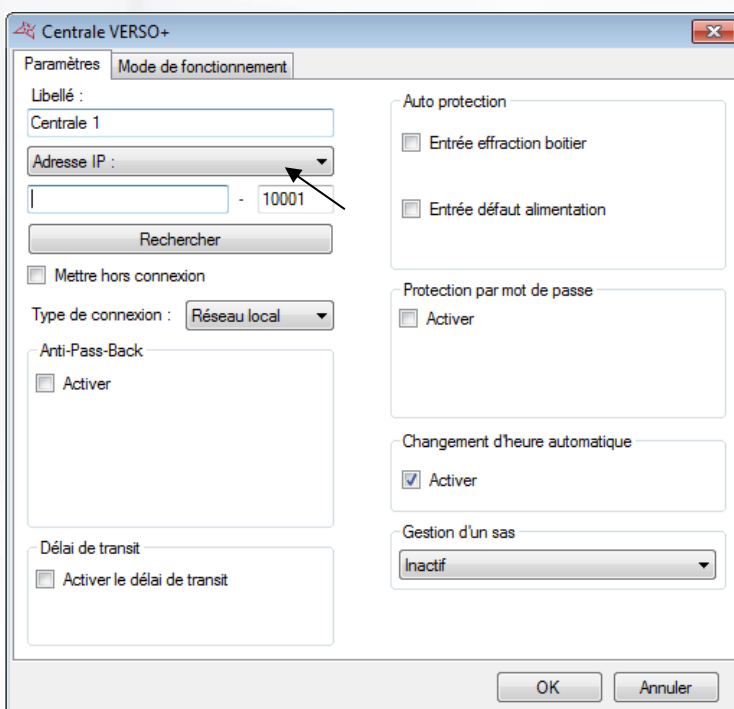
# CONNECTING THE VERSO+ UNIT TO AN ETHERNET NETWORK



Each **VERSO+** unit has an IP address. This address is printed on a sticker on the unit housing.

To configure a different IP address, you can use the **"Automatic detection"** menu in VISOR. To do this proceed as follows:

- + Configure your PC static IP address near of the address range of the unit 192.168.2.xxx
- + Après avoir créé votre installation, au premier lancement, VISOR vous propose de créer une nouvelle centrale
- + Click on the **"Search"** button
- + A list of detected units will appear
- + **Double click on the unit** you want to add
- + **Check the equipment list to confirm that your unit is properly connected.**



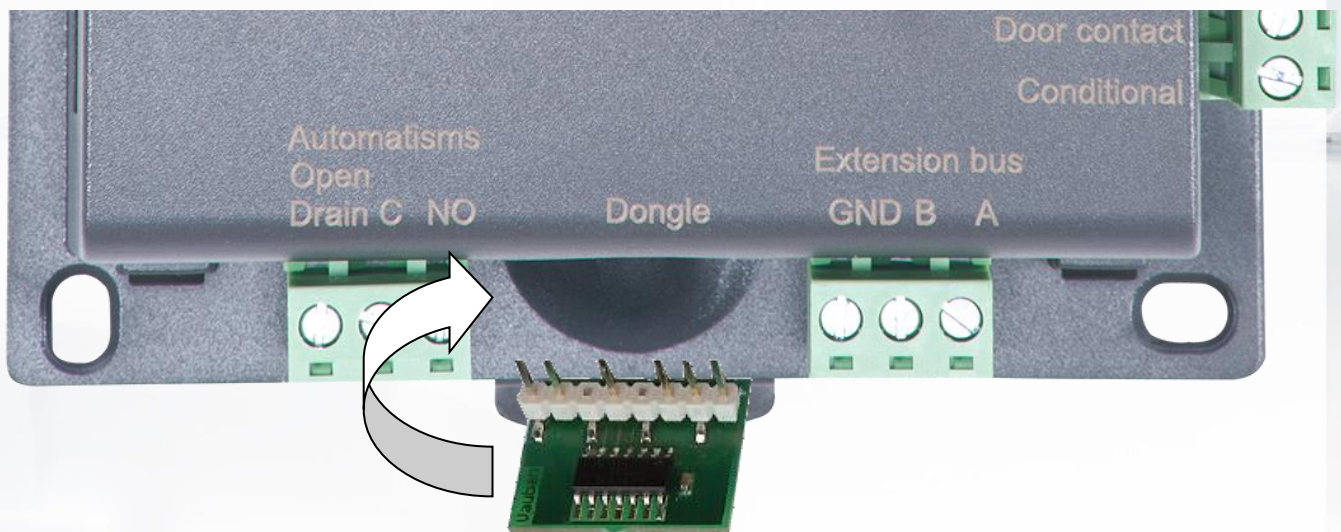
# INSTALLATION OF VISOR DONGLE

To use the VISOR software, you must, in certain cases (see following table), install a dongle on your unit.

## USE OF THE DONGLE

Number of readers in the installation	Software	Dongle
Up to 4 readers	VISOR LIGHT	No dongle required
Up to 10 readers	VISOR-10	Dongle required
Up to 40 readers	VISOR-40	Dongle required
Up to 80 readers	VISOR-80	Dongle required
Up to 140 readers	VISOR-140	Dongle required
Up to 840 readers	VISOR-840	Dongle required

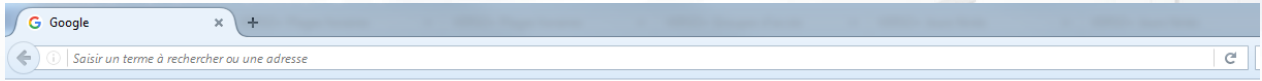
Installation of dongle: **with the power off**, install the dongle as shown below:



To confirm proper operation, **VISOR shows the version being used at the bottom of the main screen**. Your unit must be rated for the dongle to be detected.

**If you do not have the correct dongle for your installation type, your units will be displayed "rated" in the equipment list but no updates or event collection will be performed.**

# USE OF THE WEB SERVER

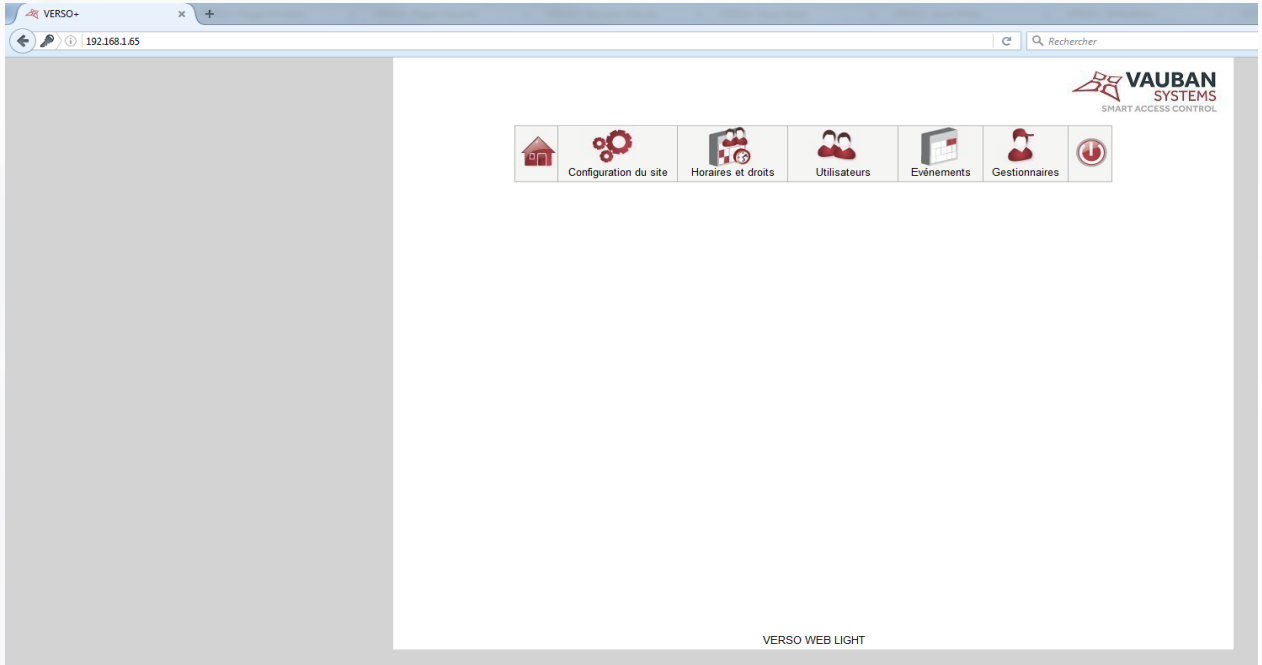


To access at the web server, launch your web browser and enter the IP address of the VERSO+ units. A login and a password are required.

The default login is « admin » and the password is located on the label bonded on the housing.



You access to the home page.



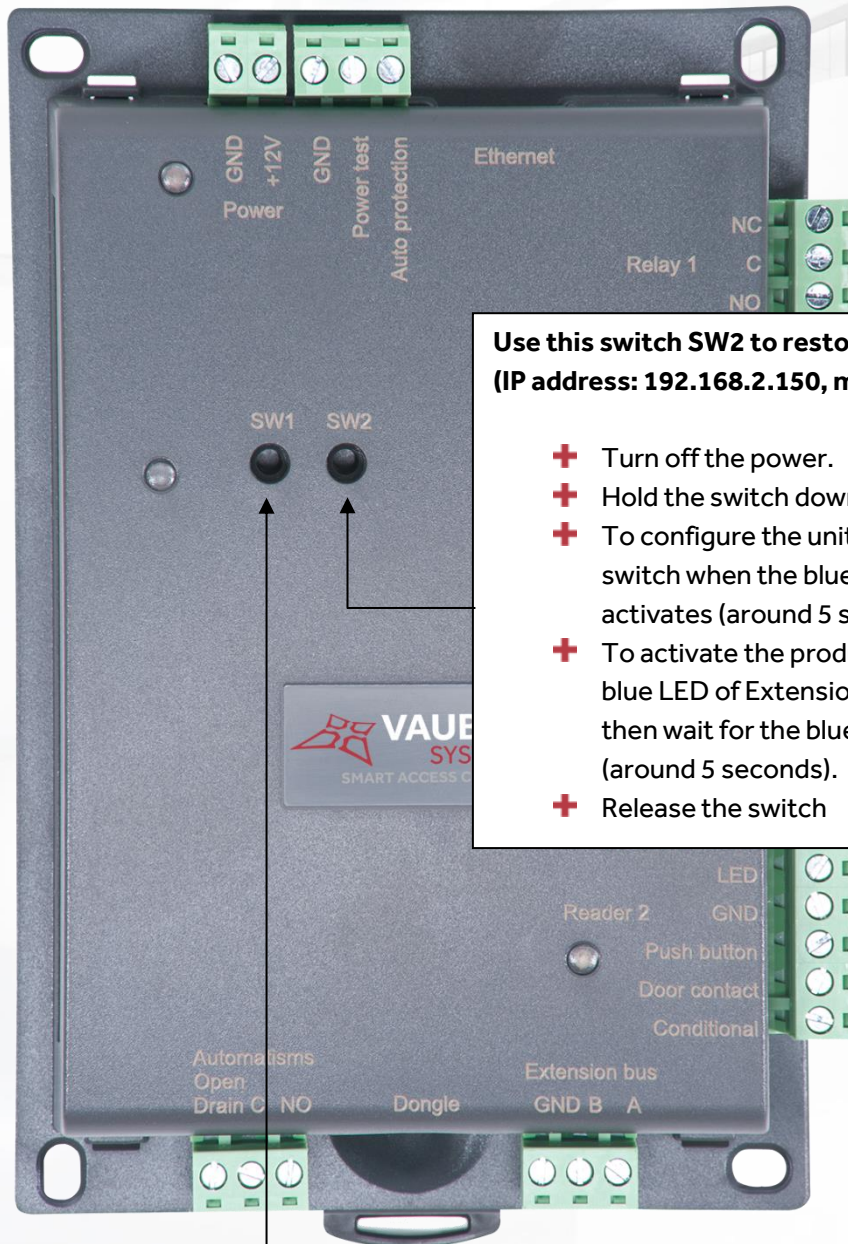
According to the number of readers managed, a dongle may be required :

Number of readers in the installation	Software	Dongle
Up to 4 readers	VERSO WEB LIGHT	No dongle required
Up to 10 readers	VERSO WEB-10	Dongle required
Up to 42 readers	VERSO WEB-42	Dongle required

# FUNCTIONS OF THE TERMINALS



# USE OF THE RESET BUTTONS



**Use this switch SW2 to restore the factory network settings (IP address: 192.168.2.150, mask 255.255.255.0).**

- + Turn off the power.
- + Hold the switch down while turning the power back on
- + To configure the unit in fixed IP mode, release the switch when the blue LED of Extension bus first activates (around 5 seconds).
- + To activate the product in DHCP mode, wait for the blue LED of Extension bus to blink (around 5 seconds) then wait for the blue LED to switch on a second time (around 5 seconds).
- + Release the switch

**Use this switch SW1 to clear the unit memory**

- + Turn off the power.
- + Hold the switch down while turning the power back on
- + Wait for the blue LED of Extension bus to switch on (about 10 seconds) holding the switch down
- + Release the switch



**FREE INSTALLER HOTLINE**

**DO YOU HAVE ANY TECHNICAL  
QUESTIONS?**

**CONTACT OUR FREE HOTLINE :**

**+33 (0)1 30 27 92 69**

**MONDAY TO FRIDAY  
FROM 9.00 TO 12.00 AND 13.30 TO 17.00**

