

UNIBOX

500.24



FR Coffret électrique extérieur ventilé p.2-13

EN Ventilated outdoor electrical box p.14-25

Cher client, nous vous remercions pour votre achat de l'un de nos produits Uniteck. Veuillez lire avec attention toutes les instructions avant d'utiliser le produit.

DESCRIPTION

La gamme UNIBOX est idéale pour protéger vos équipements électriques extérieurs. Ce coffret permet d'accueillir l'appareillage et l'équipement électrique ou électronique nécessaires à l'alimentation, la distribution et la conversion de l'énergie électrique de votre installation.

Grâce à sa structure en Aluminium 5754, son traitement de surface thermolaqué de couleur blanche (RAL 9010) et sa visserie résistante à la corrosion, UNIBOX est parfaitement adaptée pour un usage en extérieur. UNIBOX vous offre une solution de protection clé en main avec ses accessoires fournis d'origine (passe-câbles, presse-étoupes, serrure, rail DIN...).

L'étanchéité et la ventilation des produits électroniques ainsi que de la batterie sont garanties grâce à un indice de protection élevé (IP 34). UNIBOX a été conçue pour résister aux intempéries (pluie, neige, grêle,...) et au passage de corps solides de plus de 2.5mm (insectes, poussières,...).

Simple à installer, UNIBOX offre la possibilité d'être fixée :

- au mur
- au sol
- sur poteau

Batteries compatibles	Configuration N°1	Configuration N°2
Bac n°1 - 7-8 Ah (151x65x98 mm)	x 2	x 2
Bac n°2 - 12-14 Ah (151x100x103 mm)	x 2	x 2
Bac n°3 - 18-22 Ah (181x77x167 mm)	x 2	x 1
Bac n°4 - 24-28 Ah (175x166x125 mm)	x 1	x 1
Bac n°5 - 38-50 Ah (197x165x170 mm)	x 1	-
Régulateurs compatibles		
UNIMPPT 60/10.24L	-	Oui
UNISOLAR 10.24L	Oui	Oui
UNISOLAR 20.24L	Oui	Oui

CONSIGNES DE SÉCURITÉ

- Prenez les mesures appropriées pour prévenir les accidents pendant vos travaux de montage.
- Si le support et le matériel de montage sont exposés aux rayons du soleil pendant une longue période, il y a un risque de brûlure. Protégez-vous.
- À la fin des travaux, vérifiez que vos supports et panneaux soient bien fixés.



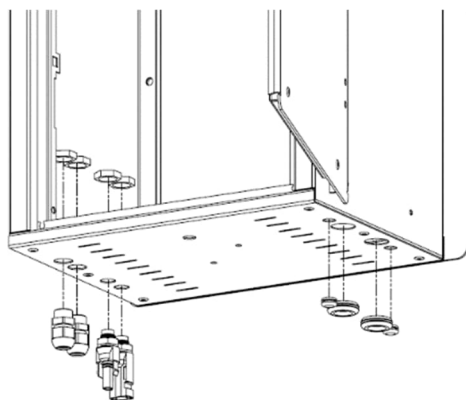
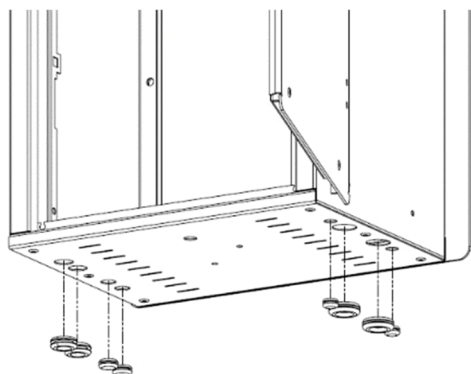
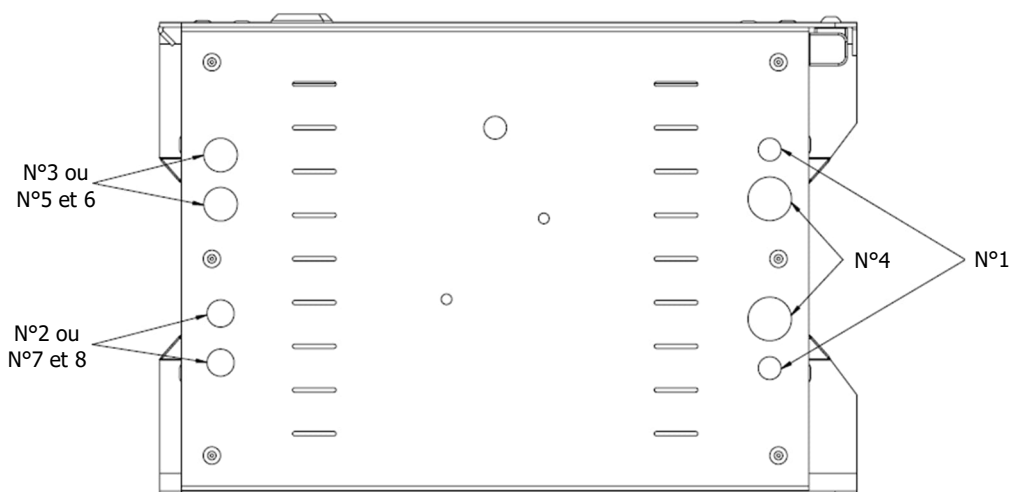
Certains éléments peuvent présenter des rebords coupants. Afin d'éviter tout risque de blessure, veuillez vous munir d'une paire de gants adaptés lors des opérations de manipulation et de montage.



INSTALLATION – MISE EN PLACE

- Fixer les entrées de câble souhaitées. (Paire de connecteurs MC4 non fournis, réf. 4864).

							
N°1 X2	N°2 X2	N°3 X2	N°4 X2	N°5 X2	N°6 X2	N°7 X1 (en option)	N°8 X1 (en option)



INSTALLATION – MISE EN PLACE OPTIONNELLE

- Mettez en place votre UNIDETECT 5.24 / 10.12 ou UNILEDBAR (optionnels) (figures 1 et 2). Si ce n'est pas la cas, comblez les perçages (figure 3).

			
N°1 X1 (Figure 1 et 3)	N°9 X1 (Figure 2)	M4x12 X2	M4 X2

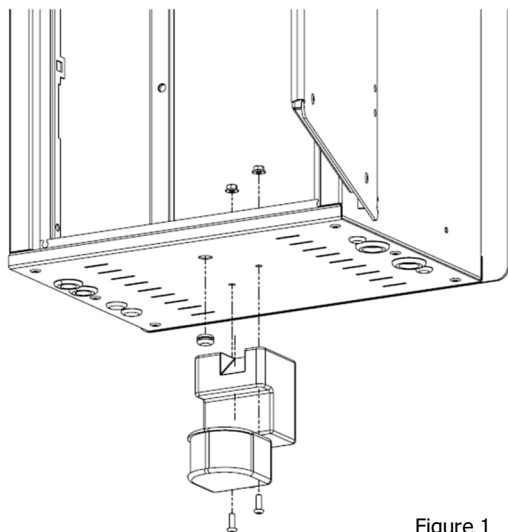


Figure 1

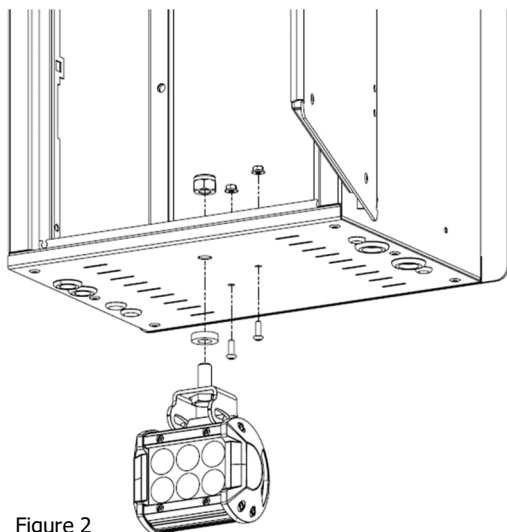


Figure 2

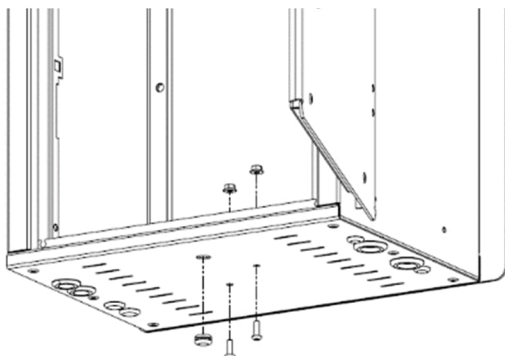
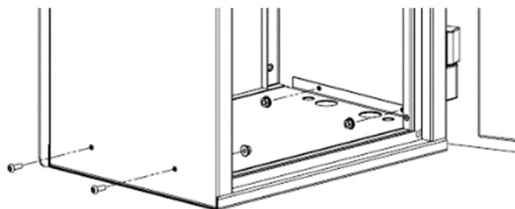
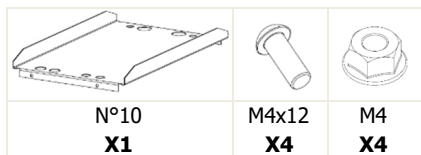


Figure 3

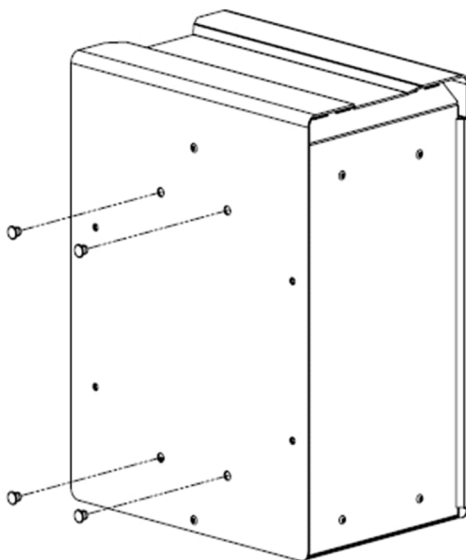
Unibox est prévue pour être fixée sur un mur (page 5 et 6), au sol (page 7), sur un mât avec bride de serrage (page 8) ou sur mât avec cerclage (page 9).

INSTALLATION – SYSTÈME DE FIXATION MURALE

- Système de fixation murale : vissez la pièce N°10 sur votre UNIBOX.



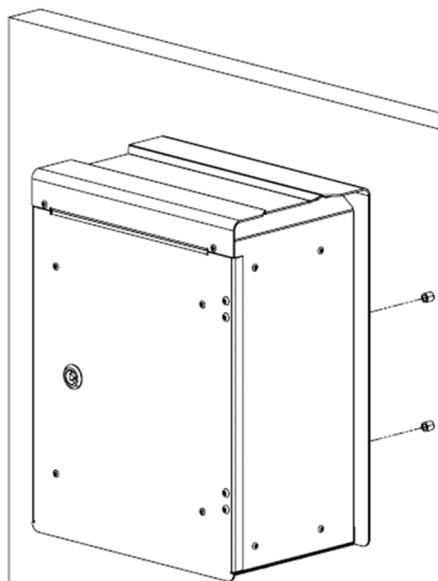
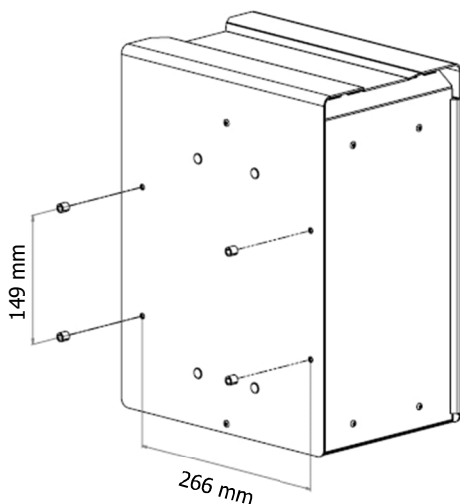
- Etape 1 : Rebouchez les perçages avec les vis M6x20 et les N°12.



INSTALLATION – SYSTÈME DE FIXATION MURALE (SUITE)

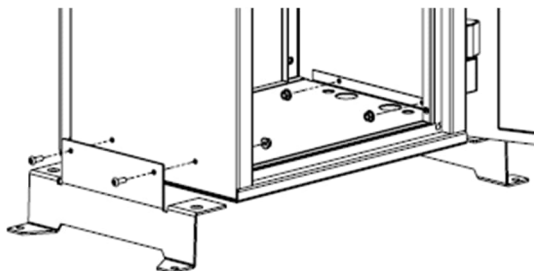
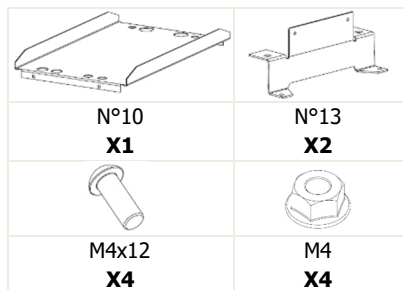
- Etape 2 : Pour fixer l'Unibox au mur, **les vis, chevilles et autres éléments de fixation doivent être adaptés en fonction du matériau.** Positionnez les entretoises (N°11) entre l'Unibox et le mur, puis fixez l'ensemble grâce aux vis de fixation par l'intérieur de l'Unibox.

	Vis Ø 6 max.
N°11 X4	Non fourni X4

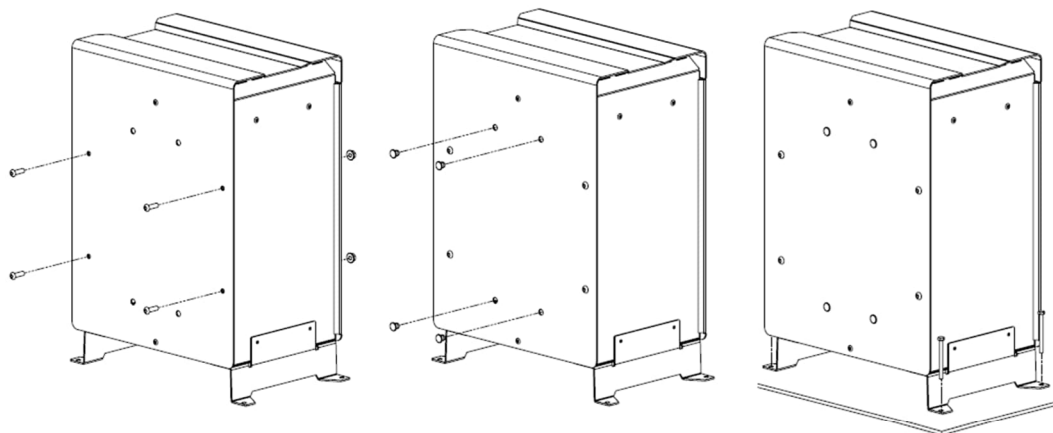


INSTALLATION – SYSTÈME DE FIXATION SOL

- Système de fixation au sol : vissez les pièces N°10 et 13 sur votre UNIBOX.

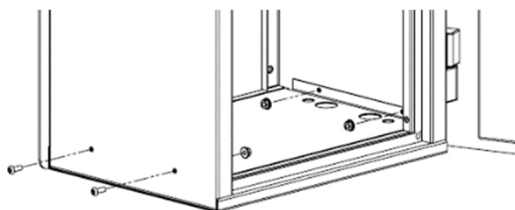
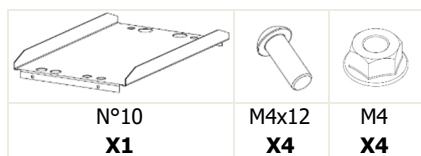


- Rebouchez les perçages avec les vis M6x20 et les N°12. Ensuite, fixez votre UNIBOX au sol (vis pour fixation au sol non fournie). Le perçage a été réalisé pour pouvoir fixer l'UNIBOX avec de la visserie Ø6mm.

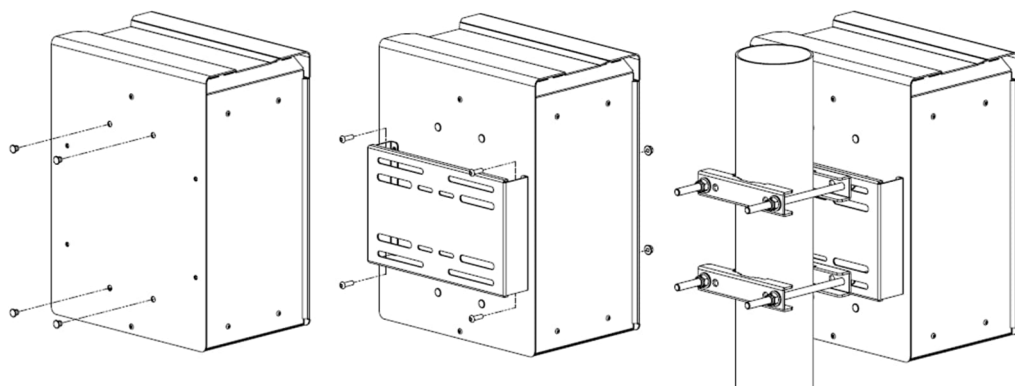
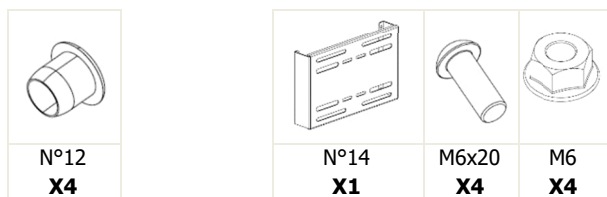


INSTALLATION – SYSTÈME DE FIXATION MÂT AVEC BRIDE DE SERRAGE

- Système de fixation mât avec bride de serrage : vissez la pièce N°10 sur votre UNIBOX.

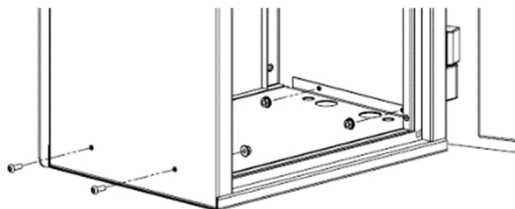
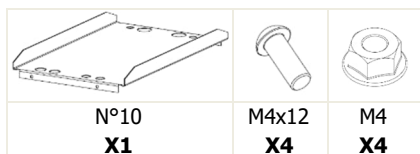


- Rebouchez les perçage avec le N°12. Ensuite, vissez les supports de fixation mât N°14 sur l'UNIBOX.

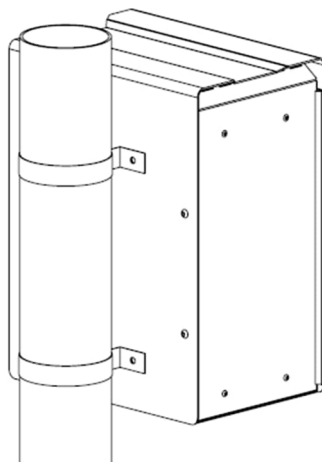
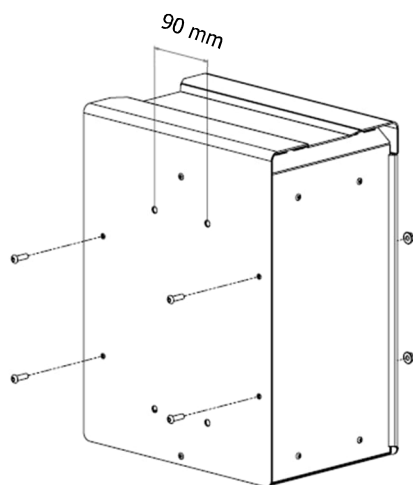


INSTALLATION – SYSTÈME DE FIXATION MÂT AVEC CERCLAGE

- Système de fixation mât avec bride de serrage professionnelle : vissez la pièce N°10 sur votre UNIBOX.



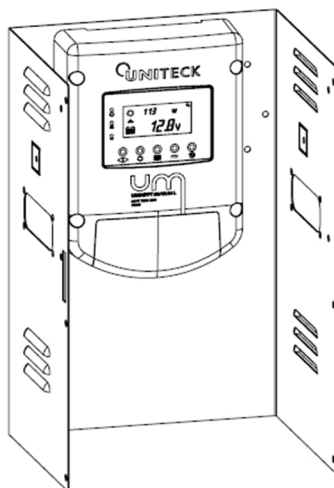
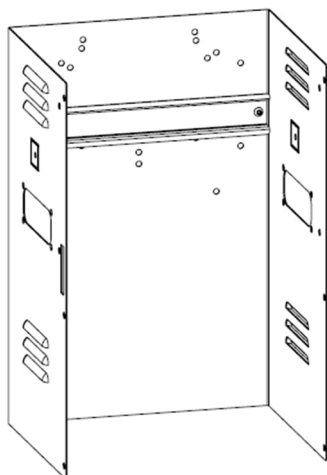
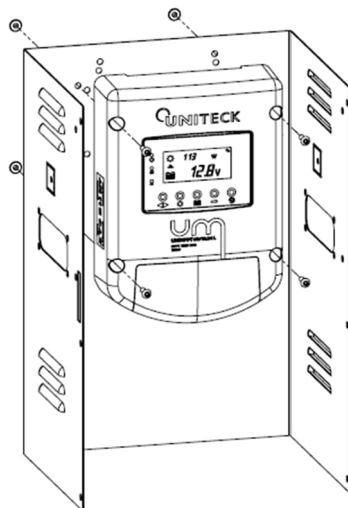
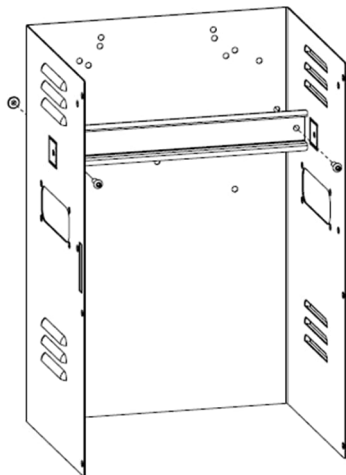
- Rebouchez les perçages avec les vis M6x20. Ensuite, vissez les supports de fixation mât sur l'UNIBOX. Fixez ensuite l'UNIBOX sur le mât.



INSTALLATION – PREPARATION CABLAGE

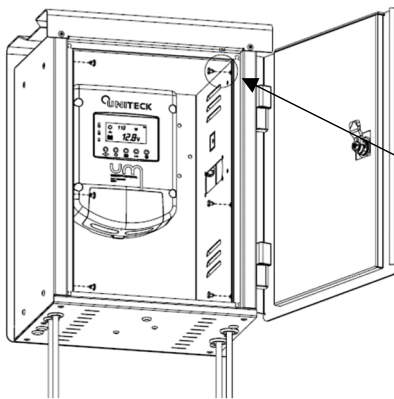
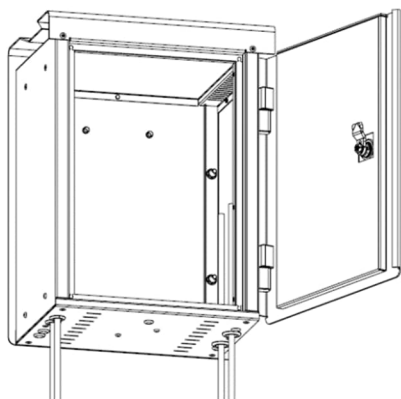
- Unibox possède plusieurs perçage ayant pour but de fixer vos produits UNITECK (UNIMPPT L, UNISOLAR L, UNIPOWER PRO 800/1200/1800). Il est possible d'utiliser également des éléments électriques fixés sur Rail Din grâce aux Rail livrés d'origine (UNITIMER, UNISWITCH, disjoncteurs, ...).

LES RAILS DIN PEUVENT ÊTRE POSITIONNÉS SUR DEUX PROFONDEURS DIFFÉRENTES
(voir page 11 pour le second emplacement).



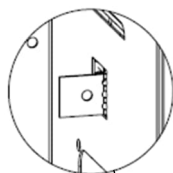
INSTALLATION – PREPARATION CABLAGE

- Mettez en position les câbles puis fixez à l'aide des N°17 la peau intérieure.



N°17
X6

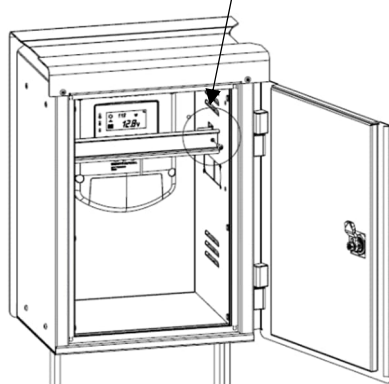
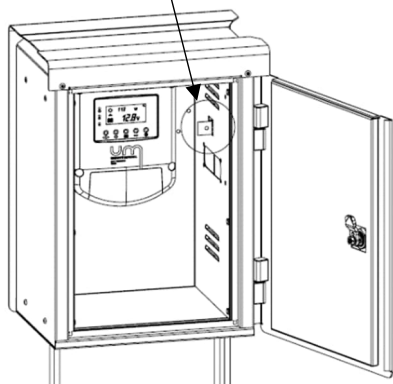
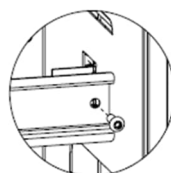
- **Si besoin**, Pliez à la main les encoches de la peau intérieure pour fixer les Rail Din N°16 avec la visserie M4x12 fournie. D'origine, Unibox est livré avec 2 Rail Din. Utilisez uniquement la quantité nécessaire pour votre installation.



N°16
De 0 à 2

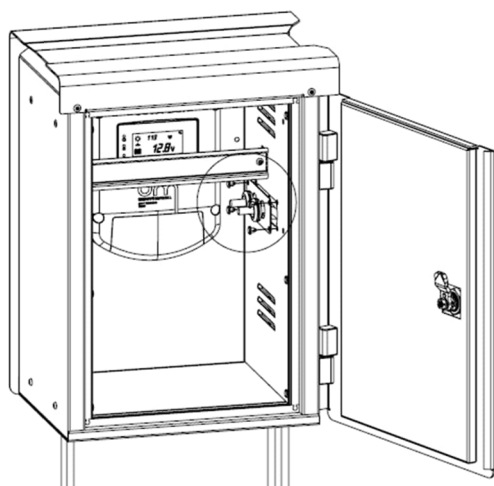


M4x12
De 0 à 4

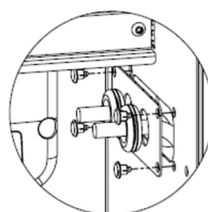


INSTALLATION – CABLAGE

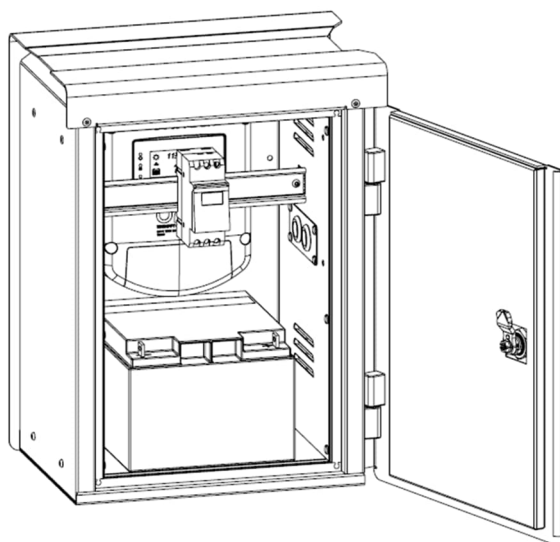
- Passez les câbles puis mettez en place les passages de câble.



N°19 X2	N°9 X8	N°8 X4

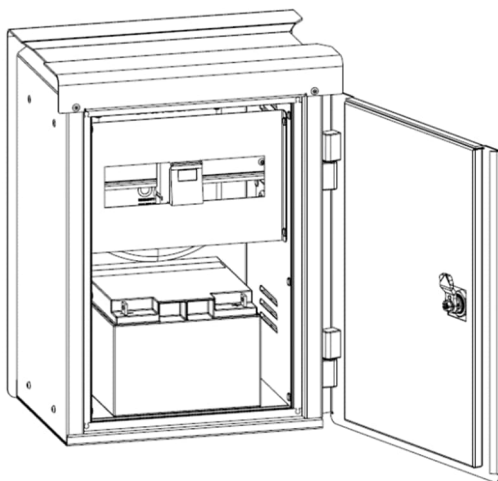
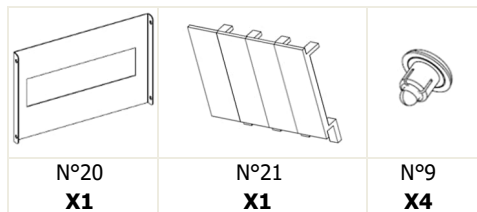


- Placez vos composants électroniques puis finalisez le câblage.



INSTALLATION – CABLAGE

- Optionnel : fixez les plaques cache câble et positionner les obturateurs.



GARANTIE

La garantie couvre tout défaut ou vice de fabrication pendant 2 ans, à compter de la date d'achat (pièces et main d'œuvre).

La garantie ne couvre pas :

- l'usure normale des pièces
- les erreurs de montage

En cas de défauts, retournez le produit à votre distributeur, en y joignant :

- un justificatif d'achat daté (ticket de sortie de caisse, facture...)
- une note explicative du défaut.

Attention : notre SAV n'accepte pas les retours en port dû.

Après la garantie, notre SAV assure les réparations après acceptation d'un devis.

Contact SAV :

Uniteck- 3 Avenue de l'Europe

34310 Montady - France

France mail: sav@uniteck.fr

Dear customer, thank you for purchasing one of our Uniteck products. Please read all instructions carefully before using the product.

DESCRIPTION

The UNIBOX range is ideal for protecting your outdoor electrical equipment. This enclosure accommodates the electrical and electronic equipment needed to supply, distribute and convert the electrical energy in your installation.

With its 5754 aluminum structure, white (RAL 9010) powder-coated surface and corrosion-resistant screws, UNIBOX is perfectly suited to outdoor use. UNIBOX offers a complete all-in-one protection solution, with accessories supplied as standard (cable glands, cable glands, lock, DIN rail, etc.).

Watertightness and ventilation of electronic products and batteries are guaranteed by a high degree of protection (IP 34). UNIBOX has been designed to withstand the harshest weather conditions (rain, snow, hail, etc.) and the passage of solid objects larger than 2.5mm (insects, dust, etc.).

Easy to install, UNIBOX can be mounted :

- wall
- floor
- pole

Compatible batteries	Setting up N°1	Setting up N°2
Bac n°1 - 7-8 Ah (151x65x98 mm)	x 2	x 2
Bac n°2 - 12-14 Ah (151x100x103 mm)	x 2	x 2
Bac n°3 - 18-22 Ah (181x77x167 mm)	x 2	x 1
Bac n°4 - 24-28 Ah (175x166x125 mm)	x 1	x 1
Bac n°5 - 38-50 Ah (197x165x170 mm)	x 1	-
Compatible controllers		
UNIMPPT 60/10.24L	-	Yes
UNISOLAR 10.24L	Yes	Yes
UNISOLAR 20.24L	Yes	Yes

SAFETY INSTRUCTIONS

- Take appropriate measures to prevent accidents during assembly work.
- If the bracket and mounting hardware are exposed to sunlight for long periods, there is a risk of being burnt. Protect yourself.
- When you've finished, check that your brackets and panels are securely installed.



Some parts may have sharp edges.

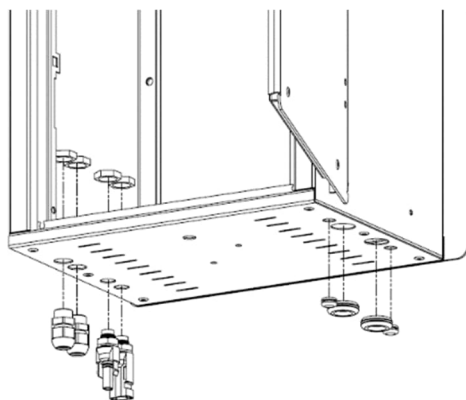
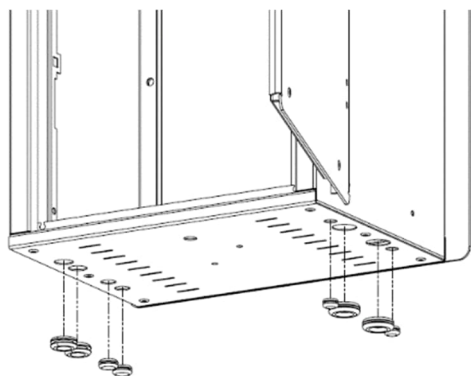
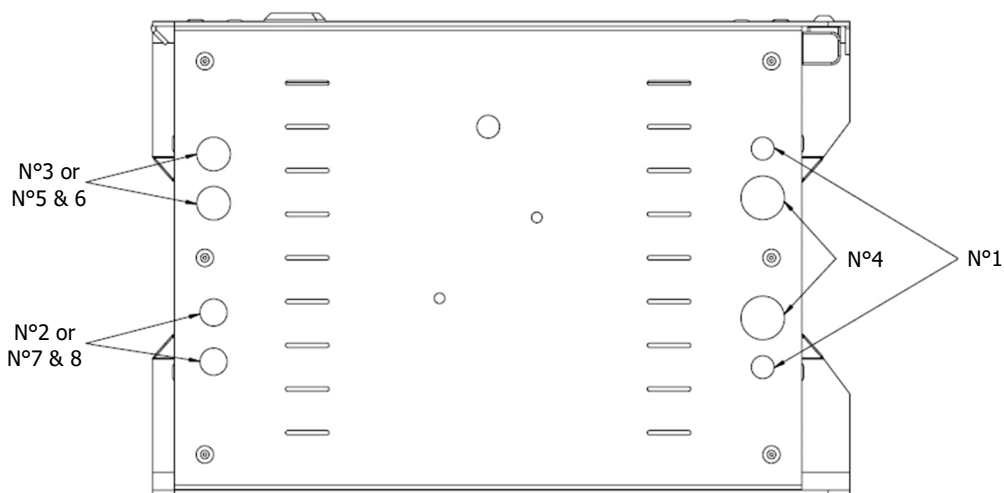
To avoid any risk of injury, please wear suitable gloves during installation and handling.



INSTALLATION – SET UP

- Attach the desired cable entries. (Pair of MC4 connectors not supplied, ref. 4864).

							
N°1 X2	N°2 X2	N°3 X2	N°4 X2	N°5 X2	N°6 X2	N°7 X1 (optional)	N°8 X1 (optional)



INSTALLATION – OPTIONAL SET-UP

- Install your UNIDETECT 5.24 / 10.12 or UNILEDBAR (optional) (Figures 1 and 2). If not, fill in the holes (figure 3).

			
N°1 X1 (Figure 1 and 3)	N°9 X1 (Figure 2)	M4x12 X2	M4 X2

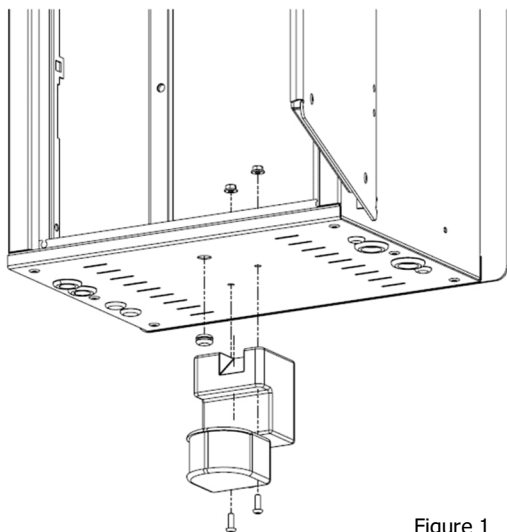


Figure 1

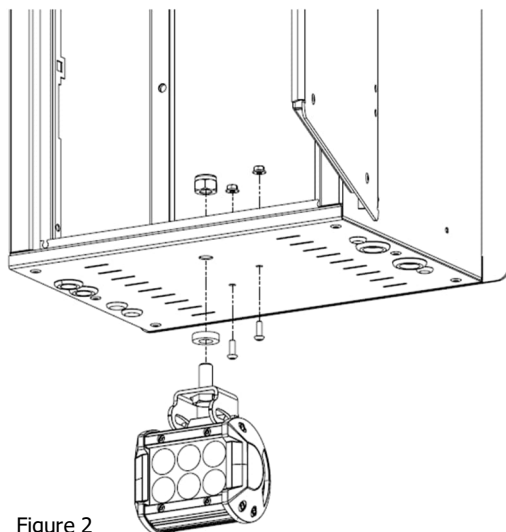


Figure 2

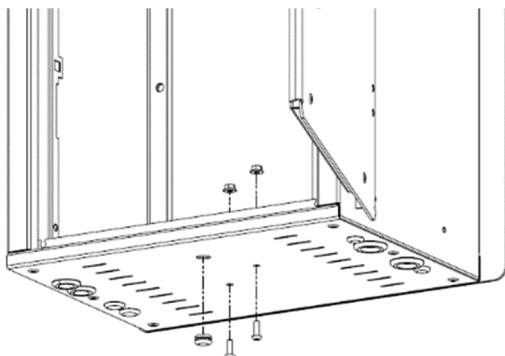
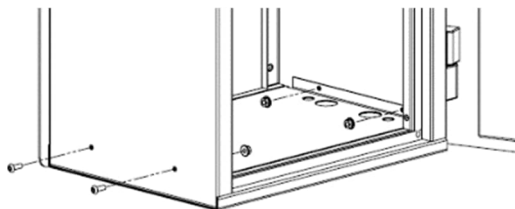
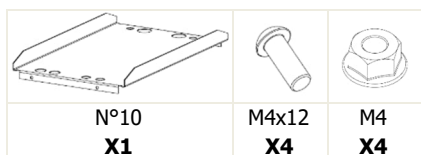


Figure 3

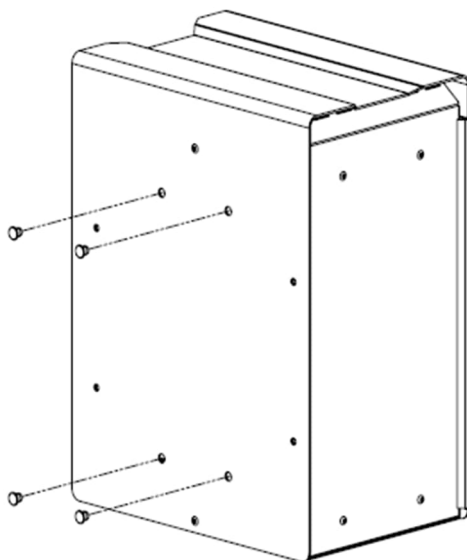
Unibox is designed for wall mounting (pages 5 and 6), floor mounting (page 7), mast mounting with clamp (page 8) or mast mounting with strapping (page 9).

INSTALLATION – WALL MOUNTING SYSTEM

- Wall-mounting system: screw part N°10 onto your UNIBOX.



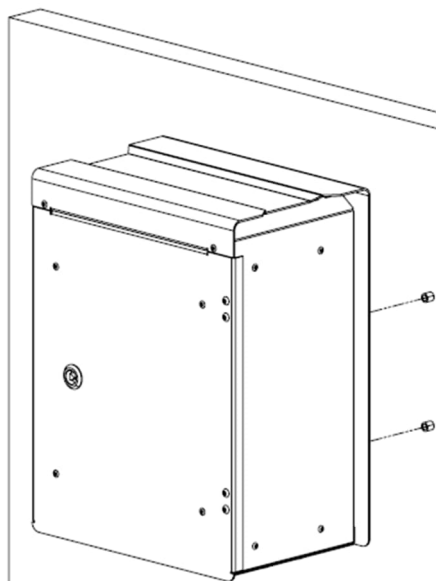
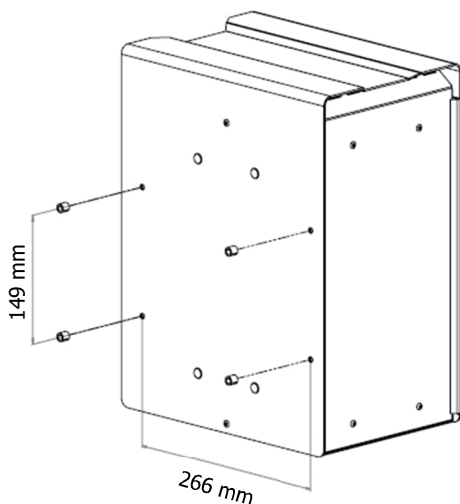
- Step 1: Fill holes with M6x20 and N°12 screws.



INSTALLATION - WALL-MOUNTING SYSTEM (CONTINUED)

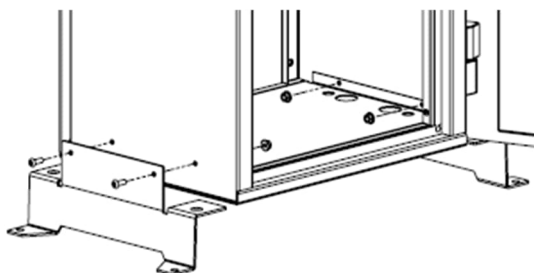
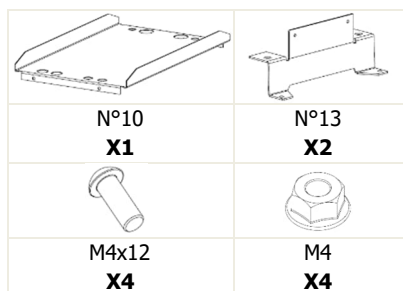
- Step 2: To fix the Unibox to **the wall, screws, dowels and other fasteners must be adapted to the material**. Position the spacers (No. 11) between the Unibox and the wall, then secure the assembly with the fixing screws from the inside of the Unibox.

	Screws Ø 6 max.
N°11 X4	Not supplied X4

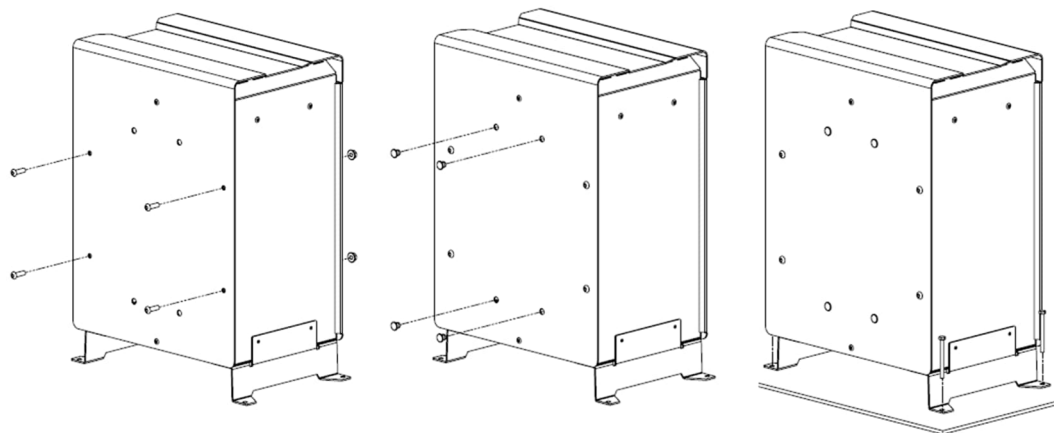


INSTALLATION – FLOOR MOUNTING SYSTEM

- Floor mounting system: screw parts N°10 and 13 to your UNIBOX.

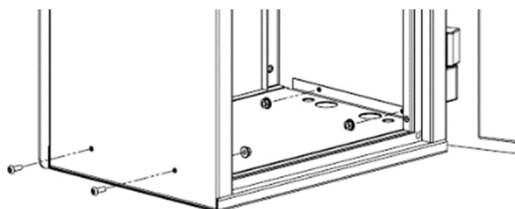
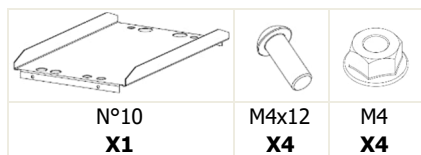


- Fill the holes with M6x20 and N°12 screws. Then fix your UNIBOX to the floor (floor screws not supplied). The holes have been drilled to allow the fixing of UNIBOX with Ø6mm screws.

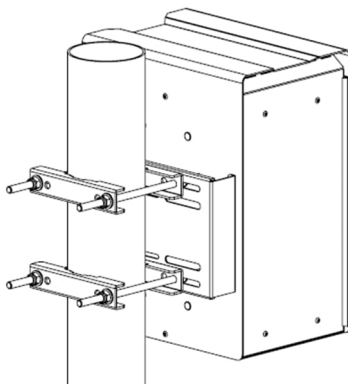
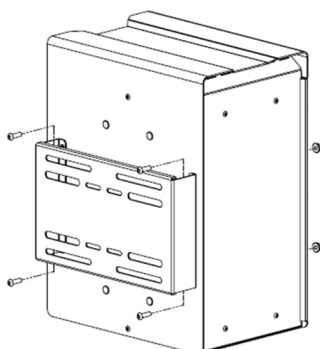
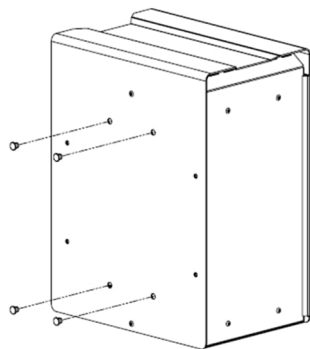
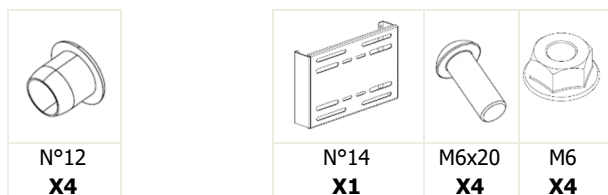


INSTALLATION – INSTALLATION - MAST FASTENING SYSTEM WITH CLAMP

- Mast fixing system with clamp: screw part N°10 onto your UNIBOX.

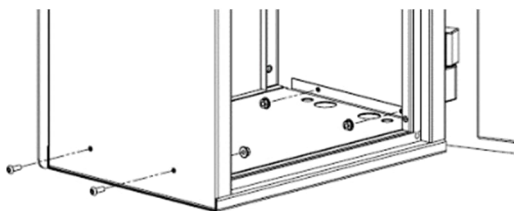
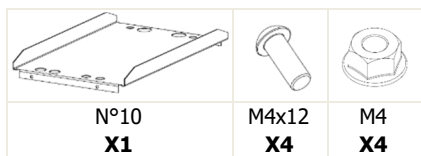


- Fill the holes with N°12. Next, screw the N°14 mast fixing brackets onto the UNIBOX.

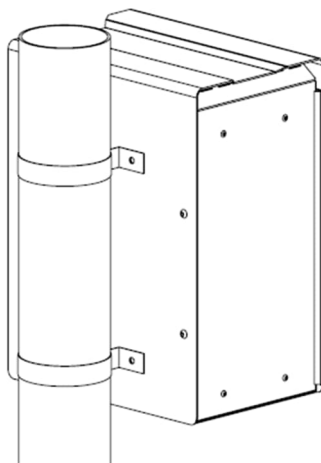
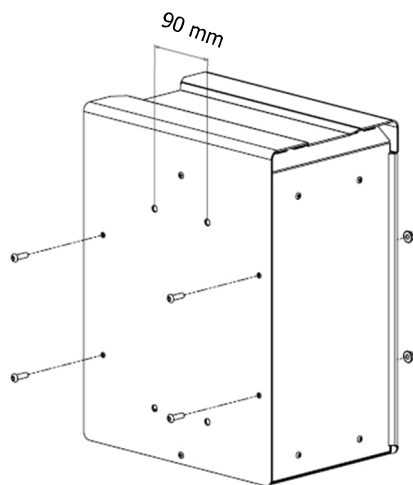


INSTALLATION – MAST FASTENING SYSTEM WITH STRAPPING

- Mast mounting system with professional clamp: screw part N°10 onto your UNIBOX.



- Fill the holes with M6x20 screws. Then screw the mast mounting brackets onto the UNIBOX. Fix the UNIBOX to the mast.

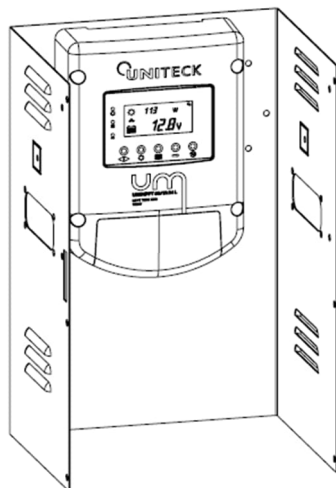
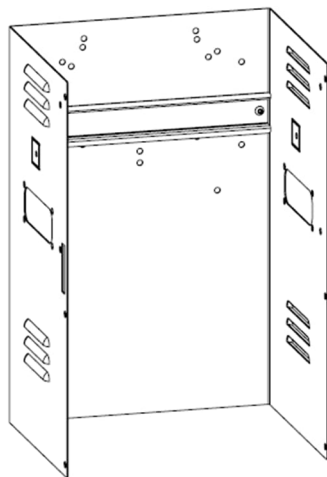
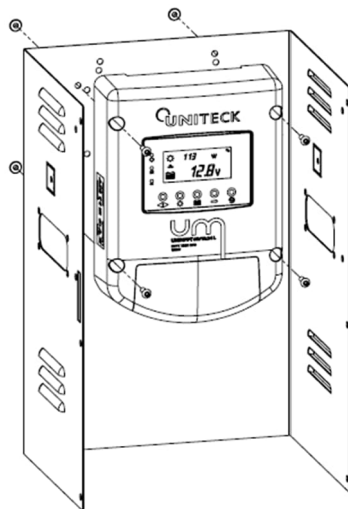
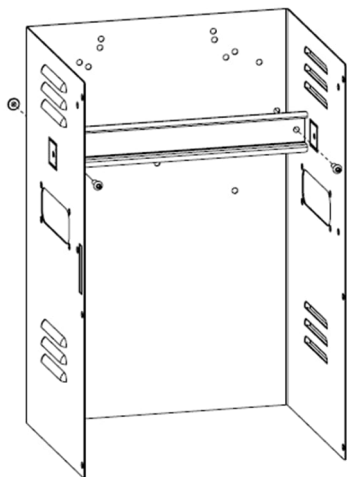


INSTALLATION – CABLING PREPARATION

- Unibox has a number of holes for mounting your UNITECK products (UNIMPPT L, UNISOLAR L, UNIPOW PRO 800/1200/1800), as well as electrical components mounted on DIN rails (UNITIMER, UNISWITCH, circuit breakers, etc.).

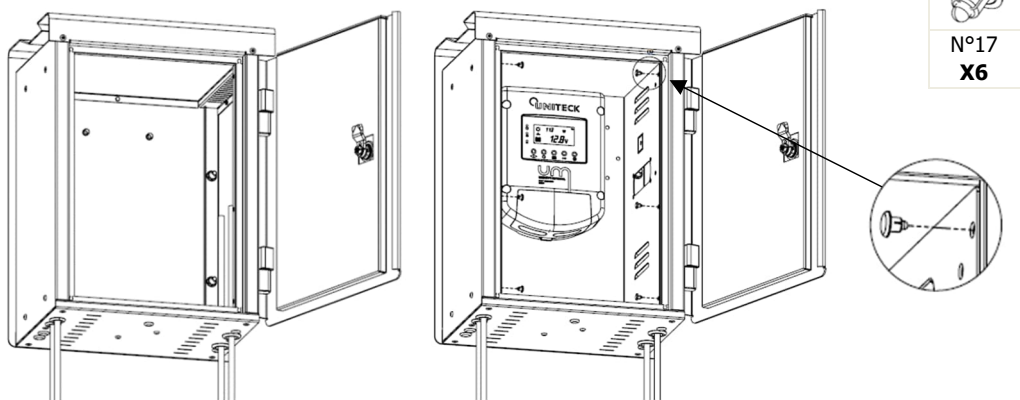
DIN RAILS CAN BE POSITIONED AT TWO DIFFERENT DEPTHS

(see page 11 for the second location).

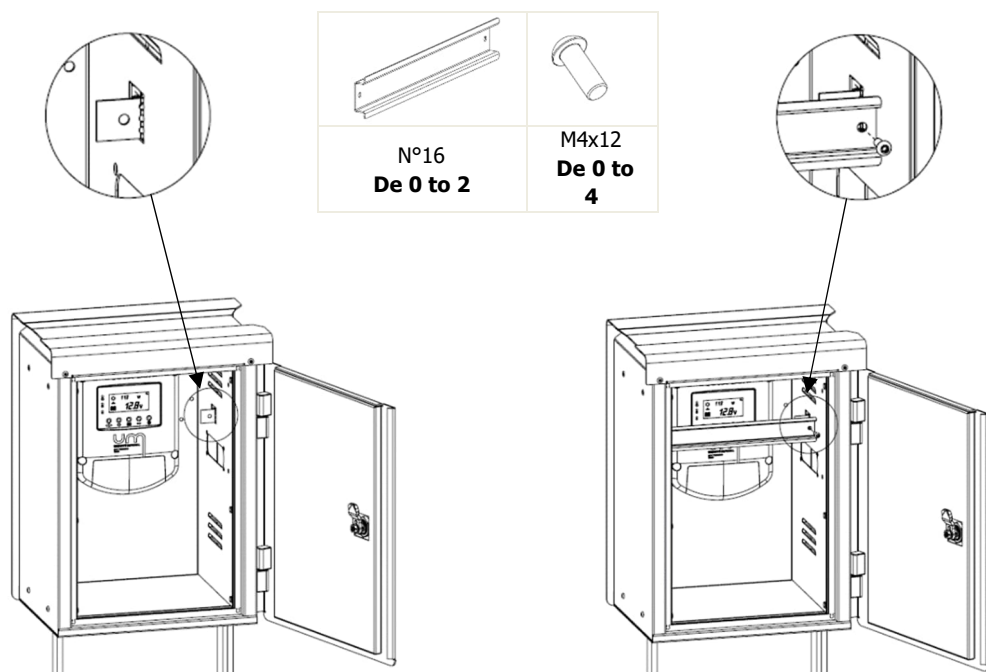


INSTALLATION – CABLE PREPARATION

- Position the cables and secure the inner layer with the N°17 screws.

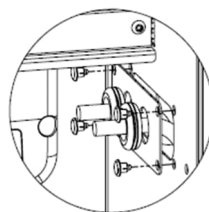
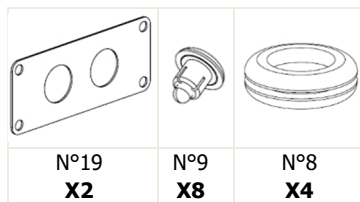
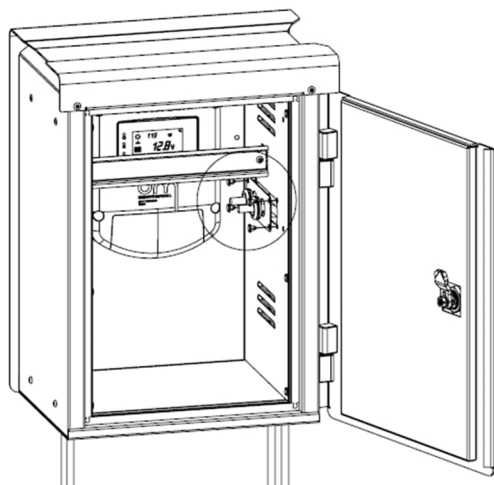


- If required**, bend the notches on the inner layer by hand to fix the N°16 Din Rails using the M4x12 screws supplied. Unibox comes with 2 Din Rails as standard. Use only the quantity you need for your installation.

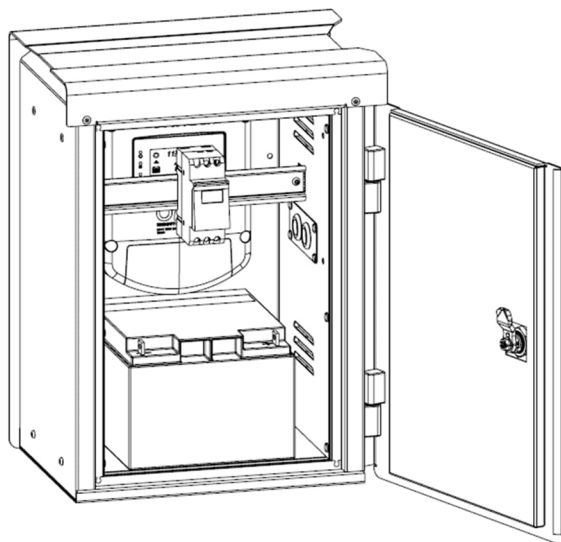


INSTALLATION – CABLING

- Run the cables, then fit the cable ports.

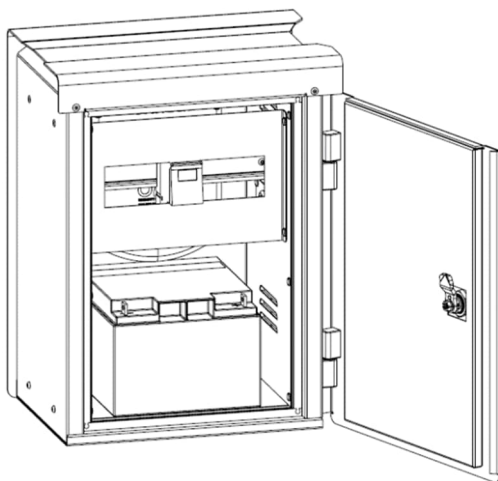
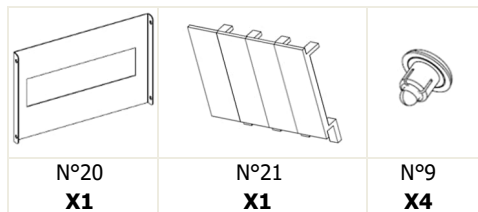


- Place your electronic components and complete the installation.



INSTALLATION – CABLAGES

- Optional: attach cable cover plates and position shutters.



WARRANTY

The warranty covers any defect or manufacturing fault for 2 years from the date of purchase (parts and labor).

The warranty does not cover :

- normal parts wear and tear
- assembly errors

In the event of defects, return the product to your distributor, enclosing :

- dated proof of purchase (receipt, invoice, etc.)
- a note explaining the defect.

Caution: Our after-sales service does not accept carriage forward/ collected returns.

After the warranty, our after-sales service ensures repairs after acceptance of a quotation.

After-sales service contact:

Uniteck- 3 Avenue de l'Europe
34310 Montady - France
France mail: sav@uniteck.fr