Enclosure

INSTALLATION GUIDE

Version 1.01

English

EN 101.00.ENCR-10

suprema

SECURITY & BIOMETRICS

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Safety Instructions

Please read this safety instructions before you use the product to prevent injury to yourself and others and to prevent property damage.

The term ‘product’ in this manual refers to the product and any items provided with the product.

Compliance Information

Warning

Used to indicate warning information that could lead to serious injury or death if violated while using the product.

Caution

Used to indicate caution information that may result in minor injury or product damage if violated while using the product.

Info

Used to provide notes or additional information while using the product.

Note

Used to provide notes or additional information while using the product.

⚠ Warning

Install

Be especially careful of miswiring when using high-capacity power supplies.

- Serious fires, electric shocks, or product damage may occur due to miswiring.

Do not allow users to install or repair the product arbitrarily.

- Causes fire, electric shock, or injury.
- No free repair service will be provided if the product is damaged due to arbitrary installation or repair by the user.

Do not install the product in places exposed to direct sunlight, moisture, dust, or soot, or where gas may leak.

- May cause fire or electric shock.

When installing the product outdoors, make sure to install it in a shaded and well-ventilated area.

Do not use a completely sealed enclosure when installing the product outdoors.

- The internal temperature of the enclosure may rise due to direct sunlight, causing fire, electric shock, or product damage.

Do not install the product in places where heat is generated, such as near heaters.

- May cause fire or electric shock due to overheating.

Do not install in damp places.

- May cause electric shock or product damage due to moisture.

Do not install in places with electromagnetic interference.

- May cause electric shock or product damage.

Usage

Do not allow liquids such as water, beverages, or chemicals to enter the product.

- May cause fire, electric shock, or product damage.

Do not use damaged power adapters or plugs, or loose outlets.

- If connections are unstable, may cause fire or electric shock.

Do not bend or break the power cord excessively.

- May cause fire or electric shock.

⚠ Caution

Install

Read this manual carefully before installing the product to ensure safe and correct installation.

When wiring power cables and connectors, make sure to turn off the power to all devices you are connecting before wiring and connecting.

- Devices may malfunction.

Before connecting the power to the product, check the manual again to ensure that wiring is correct, then connect the power.

Do not install the product in places directly exposed to sunlight or ultraviolet light.

- May cause product damage, malfunction, discoloration, or deformation.

Do not leave power cables in passageways.

- May cause bodily injury or product damage.

Do not install near strong magnetic objects such as magnets, TVs, CRT monitors, or speakers.

- The device may malfunction.

Use a power adapter that has IEC/EN 62368-1 approval and is rated above the power consumption of the terminal device. It is recommended to use the power adapters sold by Suprema.

- Using an unsuitable power supply may cause devices to malfunction.
- Refer to the Power in the product specifications for maximum current consumption specifications.

Usage

Do not drop or subject the product to shock.

- The device may malfunction.

Do not press the product's buttons (touchpad) forcefully or use sharp tools to press them.

- The device may malfunction.

Use the product within 0 °C ~ 50 °C and store it at appropriate temperatures, not too low or too high.

- The device may malfunction.

Be careful when cleaning the product.

- Gently wipe the product surface with a clean, dry cloth.
- If disinfecting the product, dampen a clean cloth with a suitable amount of disinfectant alcohol and gently wipe the product surface. Use disinfectant alcohol that contains 70-75% isopropyl alcohol and a clean, lint-free soft cloth.
- Do not spray disinfectant directly onto the product.

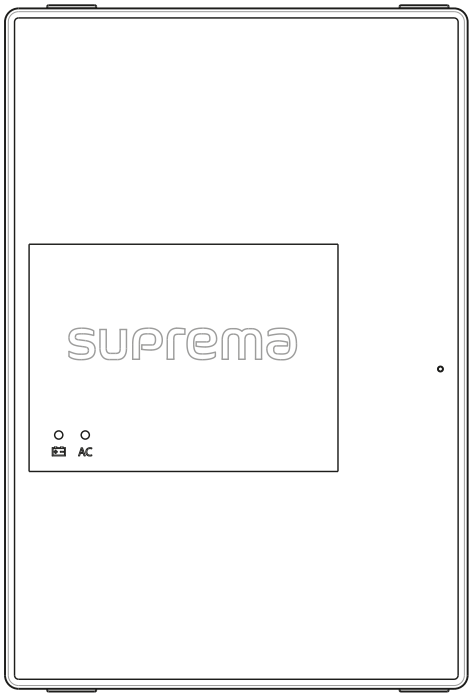
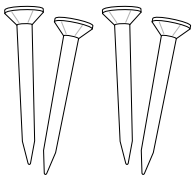
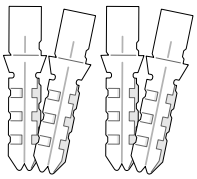
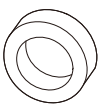
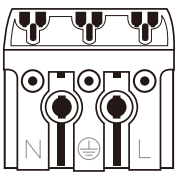
Do not use the product for purposes other than its intended use.

- The device may malfunction.

Getting Started

Provides initial procedures for getting started with the device.

Components

<table>
<tr><td colspan="2">
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<tr><td colspan="2">Enclosure (ENCR-10)</td><td>Cable Tie x6</td></tr>
<tr><td colspan="2"></td><td></td></tr>
<tr><td colspan="2"></td><td>Earth Cable</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>Fixing Screw x4</td><td>PVC Anchor x4</td><td>Fixing screws for the device x6</td></tr>
<tr><td></td><td>
</td><td></td></tr>
<tr><td>Ferrite Core</td><td>Terminal</td><td>Fixing screws for the power supply cable</td></tr>
</table>

Info

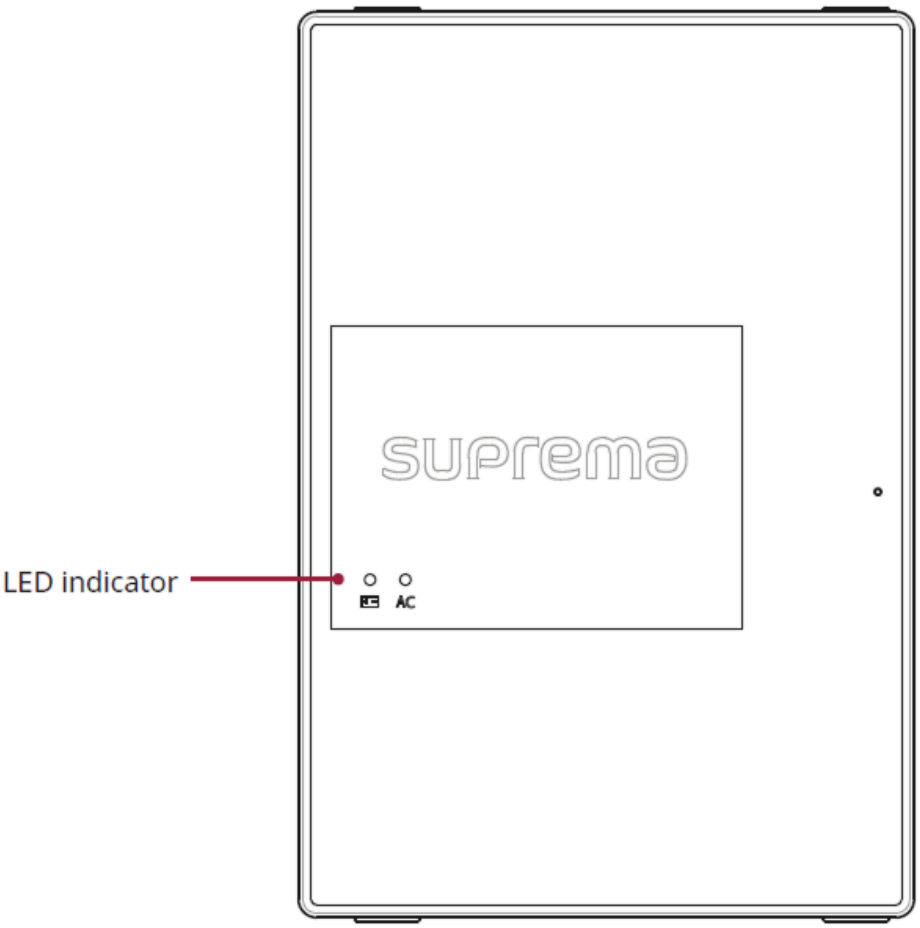
- Components may vary according to the installation environment.

/* ENCR-10 제품의 구성품(나사 세트) */

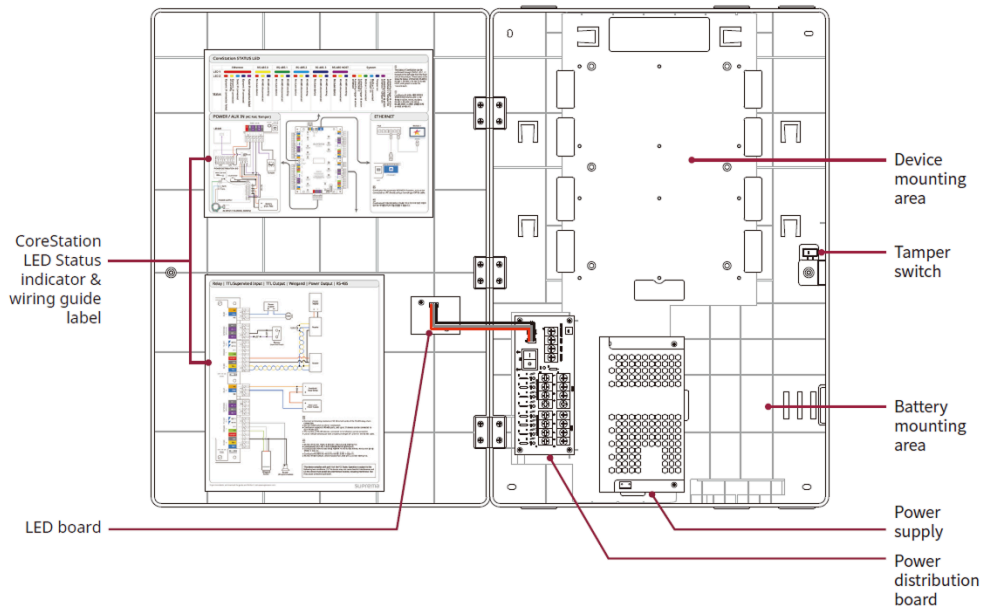
- The ENCR-10 components include screws for housing fixation, screws for product fixation, and screws for power device connection. Use each screw correctly according to its purpose.
  - Fixing screws for the enclosure (diameter: 4 mm, length: 25 mm) x4
  - Fixing screws for the device (diameter: 3 mm, length: 5 mm) x6
  - Fixing screws for the power supply cable (diameter: 3 mm, length: 8 mm) x1
- The backup battery is sold separately.

Name and function of each part

Outside



Inside



Info

LED status indicator and wiring guide labels are attached to the enclosure for CoreStation. For details on the LED status indicators and wiring of each device, refer to the respective product guide.

- Output Module
- Input Module

Installation

Provides the entire process required for installation and examples of device connections. For more details on the wiring of each device, refer to the respective product guide.

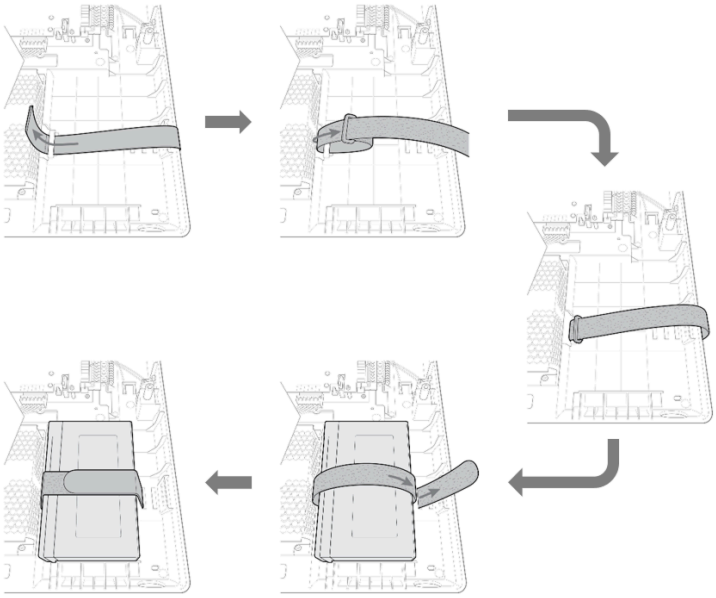
- CoreStation
- Output Module
- Input Module

> **Info**
> For more detailed information on product installation, contact Suprema Technical Support Team.

CoreStation installation

Backup battery fixing

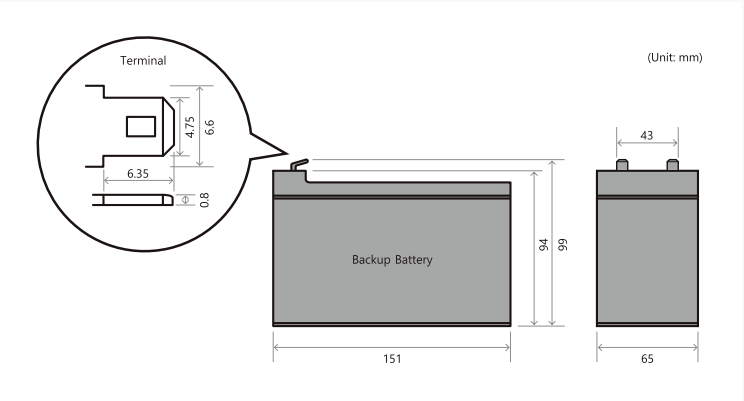
Insert the battery Velcro strap into the case, then secure the battery.



> **Caution**
> Use a backup battery that is 12 VDC specification and 7 Ah or higher. This product has been tested with the 'ES7-12' product from 'ROCKET', and it is recommended to use products equivalent to 'ES7-12'.

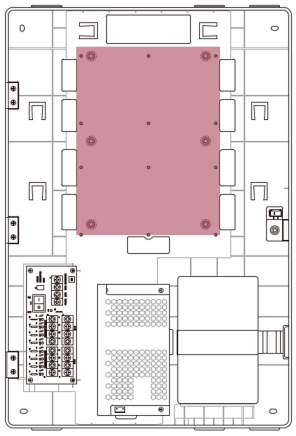
Info

- The backup battery is sold separately.
- Be sure to check the size and shape of the backup battery terminals. If the size of the backup battery exceeds the recommended specifications, it may not fit in the case or the case may not close after installation. Additionally, if the shape and size of the terminals are different, you will not be able to connect the battery using the provided cable.



Product Fixation

1. Check the location to mount the product in the enclosure.



2. Place the product in the enclosure according to the mounting location and secure it with screws.



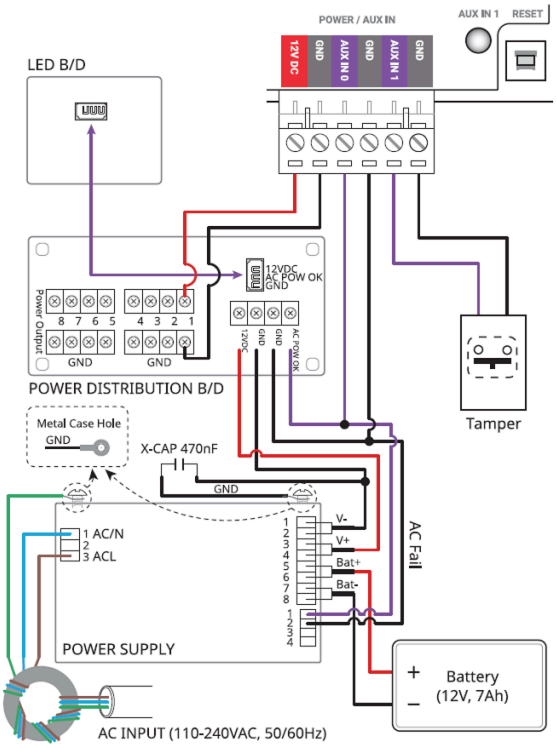
Info

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- The ENCR-10 components include screws for housing fixation, screws for product fixation, and screws for power device connection. Use each screw correctly according to its purpose.
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Power and AUX input, tamper connection

To prevent power interruptions, you can connect an uninterruptible power supply (UPS), and contact outputs from power outage detectors or other devices can be connected to the AUX IN terminal.

You can also connect to the tamper to trigger an alarm or leave an event log if the housing opens due to external factors.



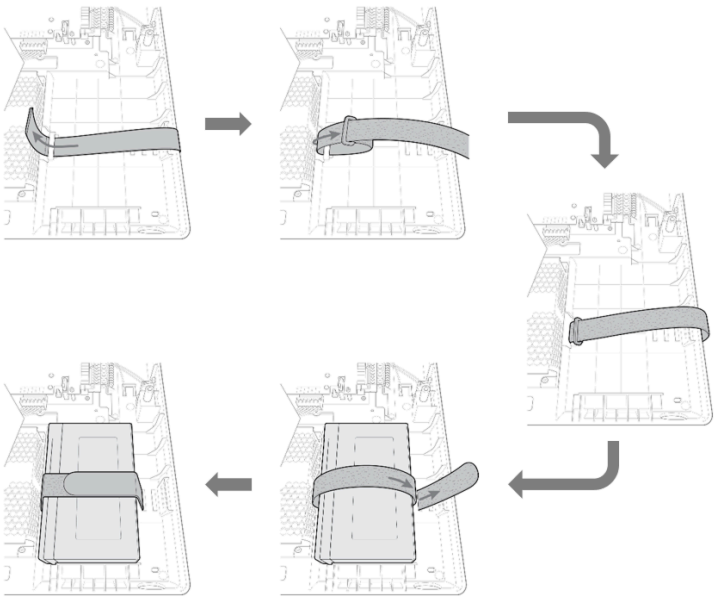
Caution

- Make sure to use separate power for the access control device and products.
- Use the IEC/EN 62368-1 approved power adapter that supports higher power consumption than the product. If you wish to connect and use another device to the power supply adapter, you should use an adapter with a current capacity which is the same or larger than the total power consumption required for the terminal and another device.
  - Refer to the Power in the product specifications for maximum current consumption specifications.
- DO NOT extend the length of power cable when using the power adapter.
- Use a backup battery that is 12 VDC specification and 7 Ah or higher. This product has been tested with the 'ES7-12' product from 'ROCKET', and it is recommended to use products equivalent to 'ES7-12'.

Installation of Output Module (OM-120)

Backup battery fixing

Insert the battery Velcro strap into the case, then secure the battery.

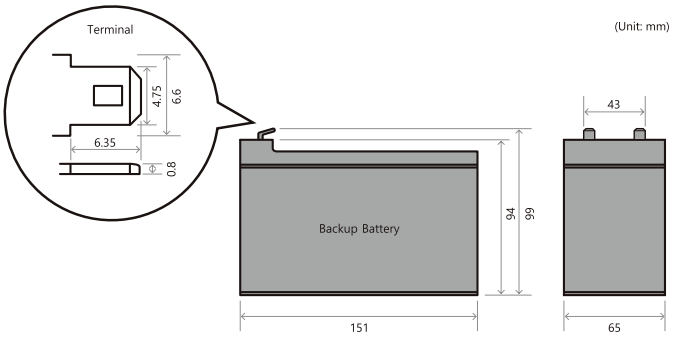


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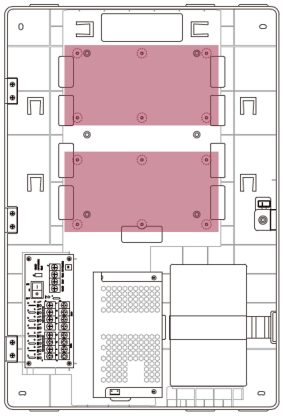
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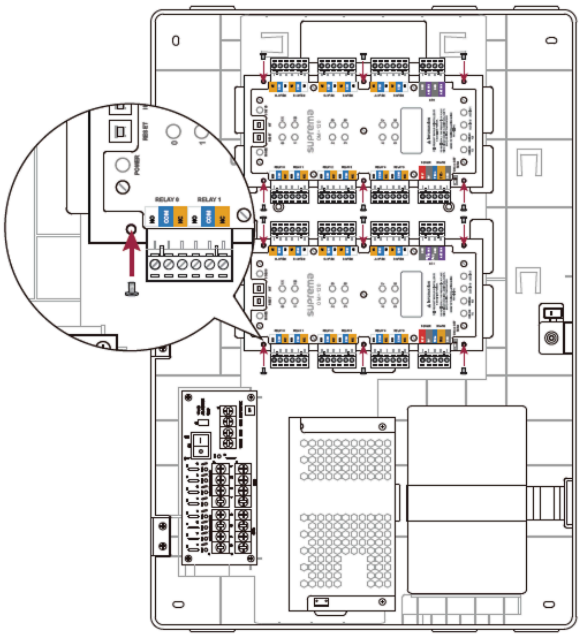


Product Fixation

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2. Place the product in the enclosure according to the mounting location and secure it with screws.

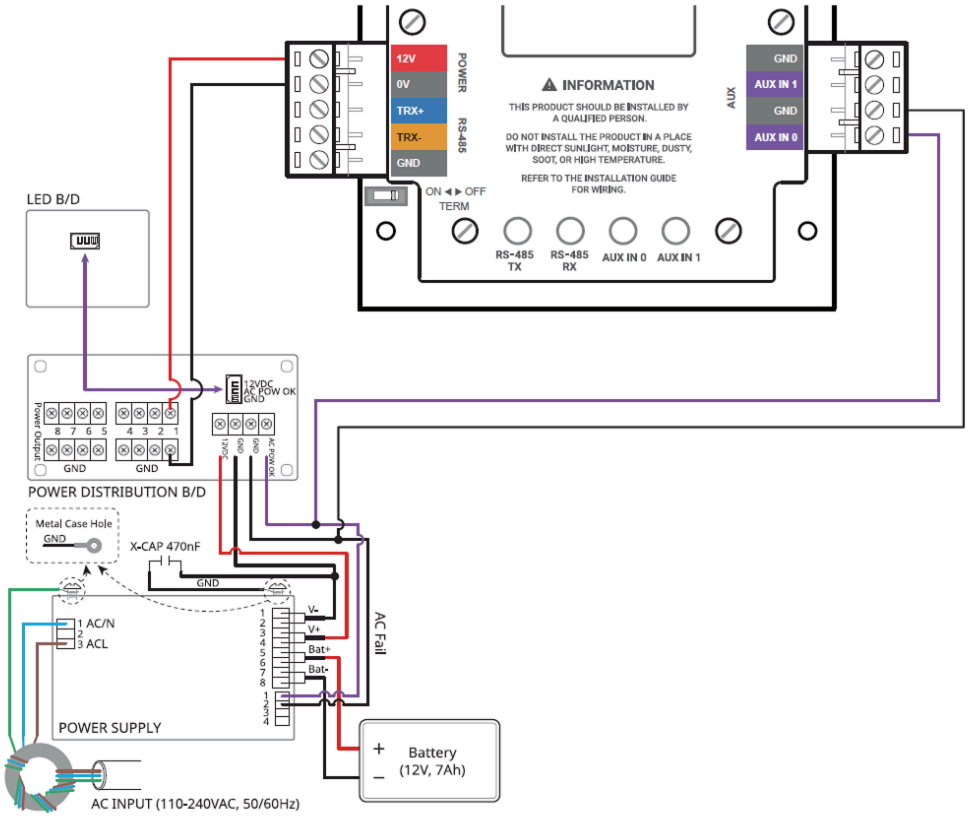


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Power and AUX input connection

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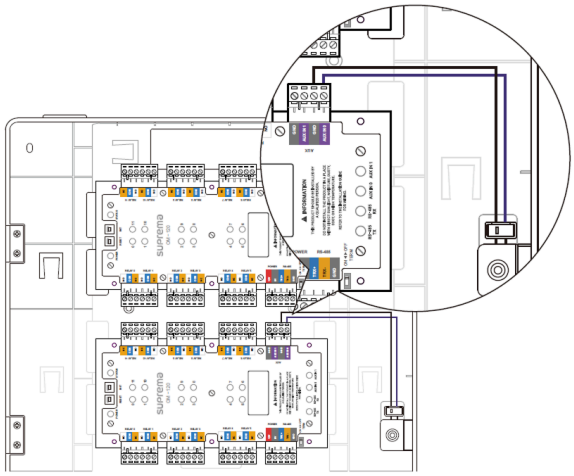


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Tamper Connection

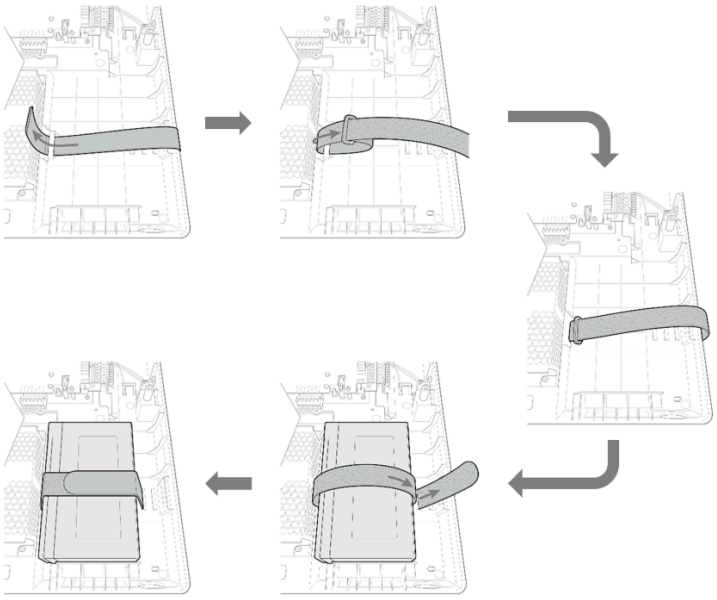
If the enclosure is opened due to external factors, it can trigger an alarm or leave an event log.



Installation of Input Module (IM-120)

Backup battery fixing

Insert the battery Velcro strap into the case, then secure the battery.

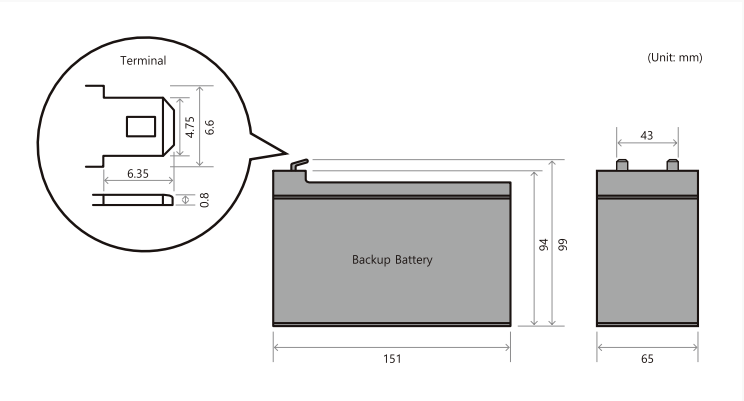


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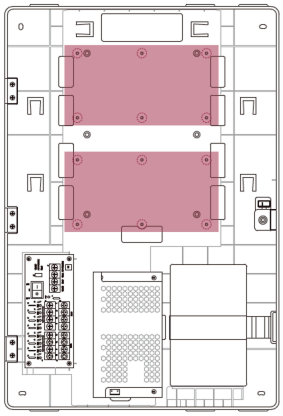
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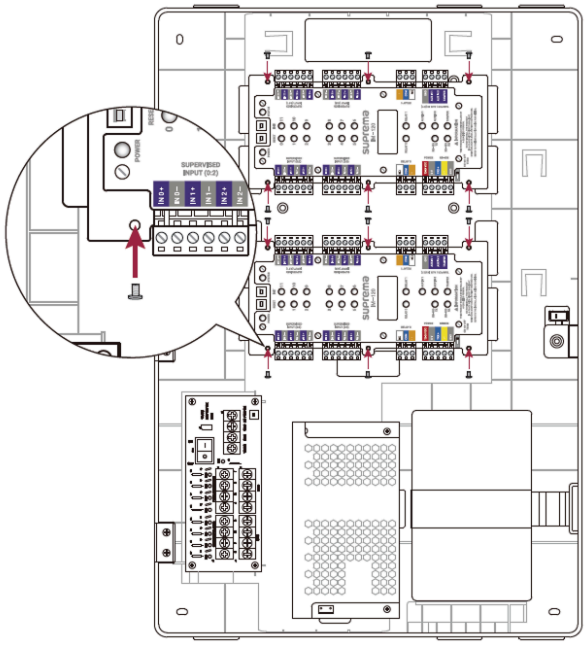


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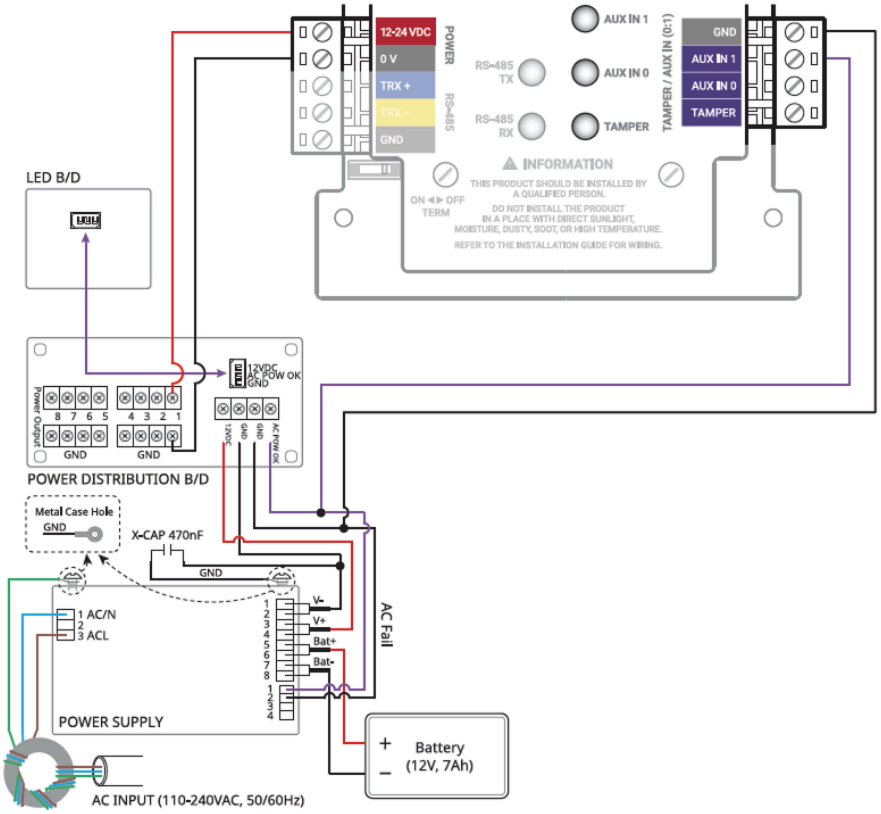


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Power and AUX input connection

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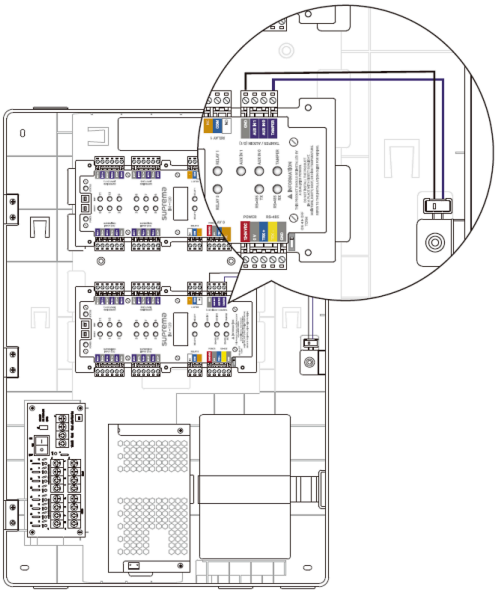


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  - Refer to the Power in the product specifications for maximum current consumption specifications.
- DO NOT extend the length of power cable when using the power adapter.
- Use a backup battery that is 12 VDC specification and 7 Ah or higher. This product has been tested with the 'ES7-12' product from 'ROCKET', and it is recommended to use products equivalent to 'ES7-12'.

Tamper Connection

If the enclosure is opened due to external factors, it can trigger an alarm or leave an event log.



Product Specifications

Provides key specifications of the product, including size, features, and performance.

General

Model Name	**ENCR-10**
Supported products	• **CoreStation (CS-40)** • **Output Module (OM-120)** • **Input Module (IM-120)**
LED	• **Battery status LED** • **AC status LED**
Material	**ABS Plastic**
Operating Temperature	**0 °C ~ 50 °C**
Storage Temperature	**-40 °C ~ 70 °C**
Operating Humidity	**0 % ~ 80 %, non-condensing**
Storage Humidity	**0 % ~ 95 %, non-condensing**

Power Supply

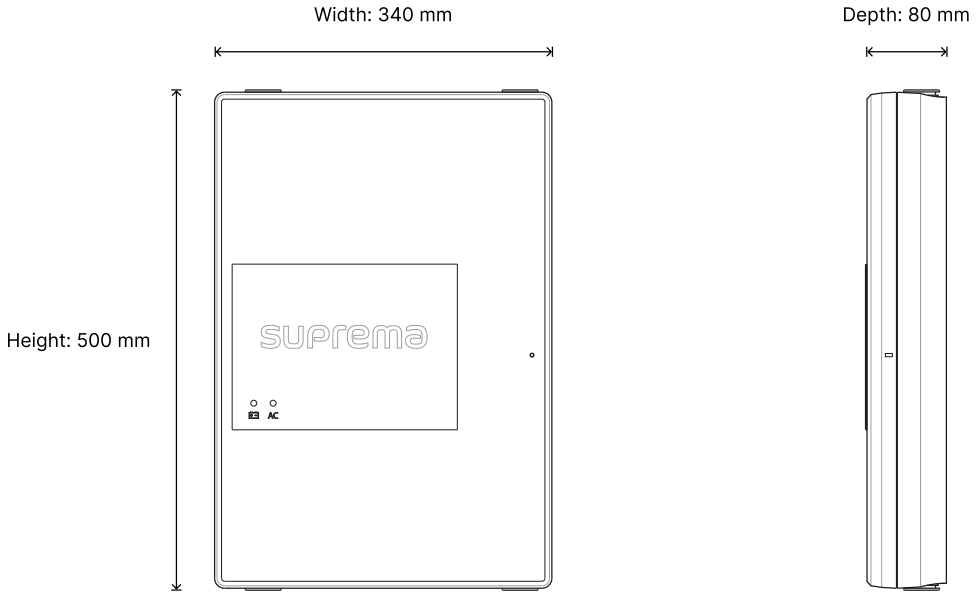
Model Name	**PSC-160A-C**	
Vendor	**MEANWELL**	
Input	• **Voltage range: 110 ~ 240 VAC** • **Frequency range: 50/60 Hz**	
Output	**13.8 Vdc**	• **Rated Current: 11.6 A** • **Rated Power: 160 W**

Backup Battery

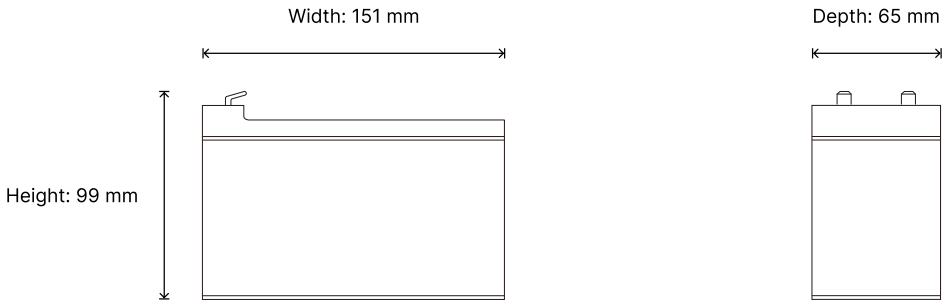
Model Name	**ES7-12**
Vendor	**ROCKET**
Voltage	**12 VDC**
Capacity	**7 Ah**

Dimensions and Weight

The dimensional tolerance is ±0.3 mm.



Weight: 2.6 kg (Battery not included)



Weight: 2.5 kg

Info

- Product specifications are subject to change without notice for performance improvement.
- The backup battery is sold separately.

Caution

Use a backup battery that is 12 VDC specification and 7 Ah or higher. This product has been tested with the 'ES7-12' product from 'ROCKET', and it is recommended to use products equivalent to 'ES7-12'.

Appendices

Includes legal notices contained in the product.

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