

Distribution Box

User's Manual



V1.0.0

Foreword

General

This manual introduces the installation, functions and operations of the distribution box (hereinafter referred to as "the Box"). Read carefully before using the device, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
 DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
 NOTE	Provides additional information as a supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.0	First Release.	August 2024

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user's manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.

- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguards and Warnings

This section introduces content covering the proper handling of the Box, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Transportation Requirements



- Pack the Box with packaging provided by its manufacturer or packaging of the same quality before transporting it.
- Avoid heavy stress, violent vibration, and immersion during transportation.
- Transport the Box under allowed humidity and temperature conditions. Refer to the technical parameters for requirements on the transporting temperature and humidity of the Box.

Storage Requirements



- Store the Box under allowed humidity and temperature conditions. Refer to the technical parameters for requirements on the storing temperature and humidity of the Box.
- Avoid heavy stress, violent vibration, and immersion during storage.

Installation Requirements



- Make sure that the power is off when you connect the cables, install or disassemble the Box.
- For devices with earthing systems, make sure they are grounded to avoid being damaged by static electricity or induced voltage, and prevent electrocution from occurring.
- All installation and operations must conform to local electrical safety regulations.
- Use accessories suggested by the manufacturer, and installed by professionals.
- Do not block the ventilator of the Box, and install the Box in a well-ventilated place.
- Do not expose the Box to heat sources or direct sunlight, such as radiator, heater, stove or other heating equipment, which is to avoid the risk of fire.
- Do not place the Box in explosive, humid, dusty, extremely hot or cold sites with corrosive gas, strong electromagnetic radiation or unstable illumination.
- Avoid heavy stress, violent vibration, and immersion during installation.



Safe and stable power supply is a prerequisite for proper operation of the Box.

- Make sure that the ambient voltage is stable and meet the power supply requirements of the Box.
- Prevent the power cord from being trampled or pressed, especially the plug, power socket and the junction from the Box.
- For devices that can be powered by multiple supplies, do not connect them to two or more kinds of power supplies; otherwise, the device might be damaged.
- Refer to the specific user's manual for the power requirements of single device.



It is recommended to use the Box with a lightning protector for better lightning-proof effect.

Operation Requirements



A suitable operating environment is the foundation for the Box to work properly. Confirm whether the following conditions have been met before use.

- Use the Box under allowed humidity and temperature conditions. Refer to the technical parameters for requirements on the operating temperature and humidity of the Box.
- Use the Box on a stable base.
- Do not let any liquid flow into the Box to avoid damage to internal components. When liquid flows into the Box, immediately disconnect the power supply, unplug all cables connected to it, and contact after-sales service.
- The company is not responsible for damages to the Box or other product problems caused by excessive use or other improper use.

Maintenance Requirements.



- Contact professionals for regular inspection and maintenance of the Box. Do not disassemble or dismantle the Box without a professional present.
- Use accessories suggested by the manufacturer, and maintain the Box by professionals.

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1 Applicable product range

This document is applicable to housing and distribution box products.

2 Installing Distribution Box

2.1 Packing List

Check the package according to the following checklist. If you find something has been damaged or is missing, contact customer service.



Keep accessories safe for future use.

2.2 Wiring Theory



- Make sure to disconnect the air switch before connecting to the mains electricity.
- Make sure to connect all the cables first, and then the air switch.
- If the external devices have grounding wires, you need to connect them to the grounding copper bar.

2.3 Installation Procedure

2.3.1 Installation Preparation



- The safety lock does not come with the delivery, please buy it as required.
- The Box should be used in a location where the altitude is lower than 1000 m.

Step 1 Before maintaining the product, disconnect the air switch and install the circuit breaker lock on the corresponding air switch.

Step 2 Tighten the screw, and then fix the circuit breaker lock.

Step 3 Install a safety lock to fix the circuit breaker lock.

2.3.2 Bolt and Hold Hoop Installation

Step 1 Feed the head spring washers through the rack of the Box rear, feed the tail of the bolts through the bended stripe, and then tighten with flat washer and nuts.

Step 2 Adjust the position of the Box, make sure the distance of the two sides of the pole is the same, and then tighten the nuts.

2.3.3 Hold Hoop and Plate Installation



You need to purchase the hold hoop according to the diameter of the pole.

Step 1 Secure the Box to the plate of the pole with the standard bolts, and leave the bolt unfixed to adjust the position.

Step 2 Feed the hold hoop through the holes at the rear of the Box, wind around the pole, and then tighten the hold hoop.

Step 3 Tighten the bolts of the plate.

2.3.4 Plate and Bolt Installation

- Step 1 Secure the Box to the plate of the pole with the standard bolts, and leave the bolt unfixed to adjust the position.
- Step 2 Remove the waterproof rubber ring at the back of the Box, feed the hexagon bolts, flat washers and spring washers through the back holes and the installation holes, and then secure the bolts to the reserved holes of the pole and block the holes with the waterproof rubber ring.
- Step 3 Tighten the bolts of the plate.