

## Hager VE103D

# Hager VE103D Small Surface-Mounted Distribution Box

## USER MANUAL

### 1. Introduction

---

This user manual provides comprehensive instructions for the installation, operation, and maintenance of the Hager VE103D Small Surface-Mounted Distribution Box. Please read this manual carefully before proceeding with installation or use to ensure safe and efficient operation of the product.

### 2. Safety Information

---

**Important:** Electrical work should only be performed by qualified and authorized personnel. Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always disconnect power at the main circuit breaker before installing, servicing, or performing any work on the distribution box.
- Ensure all local and national electrical codes and regulations are followed.
- Use appropriate personal protective equipment (PPE) such as insulated gloves and safety glasses.
- Do not install the distribution box in wet or damp locations unless specifically rated for such environments.
- Verify all connections are secure and properly insulated before restoring power.

### 3. Product Overview

---

The Hager VE103D is a durable and robust small surface-mounted distribution box designed for electrical installations. It features a single row capacity, suitable for housing circuit breakers and other modular devices.



Figure 1: Hager VE103D Small Surface-Mounted Distribution Box. This image shows the compact, white plastic enclosure with a transparent front cover, designed to house electrical components. The cover allows visual inspection of the internal modules.

## 4. Installation Instructions

---

Before beginning installation, ensure the mounting surface is clean, dry, and structurally sound. Professional installation is highly recommended.

1. **Preparation:** Disconnect the main power supply to the installation area. Verify power is off using a voltage tester.
2. **Mounting:** Position the distribution box on the desired surface. Mark the drilling points through the designated mounting holes. Drill appropriate holes and secure the box using suitable screws and

anchors (not included).

- 3. **Wiring:** Route electrical cables into the box through the designated entry points. Connect circuit breakers and other modular devices according to the wiring diagram provided with your specific electrical components. Ensure all connections are tight and correct.
- 4. **Securing:** Once all internal components are installed and wired, close the transparent front cover and secure it.
- 5. **Power Restoration:** Restore power to the main circuit. Test all circuits connected to the distribution box to ensure proper functionality.

## 5. Operation

The Hager VE103D distribution box serves as a protective enclosure for electrical circuit breakers and other modular devices. Operation primarily involves managing the circuit breakers housed within the box.

- **Accessing Circuit Breakers:** Open the transparent front cover to access the circuit breakers.
- **Resetting a Tripped Breaker:** If a circuit breaker trips (moves to the OFF position), first identify and resolve the cause of the overload or short circuit. Then, firmly push the breaker handle to the full OFF position before pushing it to the ON position.
- **Turning Circuits On/Off:** Manually switch circuit breakers ON or OFF as needed for maintenance or to isolate specific circuits.

## 6. Maintenance

Regular maintenance ensures the longevity and safe operation of your distribution box. Always disconnect power before performing any maintenance.

- **Periodic Inspection:** Annually inspect the distribution box for any signs of damage, loose connections, or overheating (discoloration, burnt smell).
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the box. Do not use abrasive cleaners or solvents. For internal cleaning, ensure power is off and use a dry, non-conductive brush or compressed air to remove dust.
- **Tighten Connections:** Periodically check and tighten all electrical connections within the box to prevent arcing and overheating.

## 7. Troubleshooting

This section addresses common issues you might encounter with the distribution box. For complex problems, consult a qualified electrician.

Issue	Possible Cause	Solution
No power to a circuit	Circuit breaker tripped due to overload or short circuit.	Identify and resolve the cause of the trip. Reset the circuit breaker by pushing it fully OFF, then to ON.
Box feels warm	Loose connections or overloaded circuits.	Disconnect power. Check and tighten all connections. Reduce load on circuits if overloaded. If problem persists, consult an electrician.

Issue	Possible Cause	Solution
Visible damage to box	Physical impact or environmental factors.	If damage compromises safety or integrity, replace the distribution box immediately.

## 8. Technical Specifications

Feature	Specification
Brand	Hager
Model	VE103D
Part Number	VE103D
Material	Plastic
Dimensions (L x W x H)	10 x 10 x 10 cm
Weight	9.07 g
Quantity	1 piece
Batteries Included	No
Maximum Current Rating	63 Ampere
First Available Date	January 15, 2020

## 9. Warranty Information

Hager products are manufactured to high quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the official Hager website or contact customer support.

## 10. Customer Support

If you have any questions, require technical assistance, or need to report an issue with your Hager VE103D distribution box, please contact Hager customer support. Contact details can typically be found on the official Hager website or on the product packaging.

*Thank you for choosing Hager.*