



## FULL VOLTAGE STARTER WITH THERMOMAGNETIC SWITCH AEWTP-I

V.1.1  
07/03/2025

## **Abstract**

### INSTALLATION MANUAL

Thank you for choosing Enerwell full voltage starters with a thermomagnetic switch.

This instruction manual will guide you through the proper installation process and help ensure optimal performance of your equipment. We strongly recommend following the instructions provided.

Please keep this manual in a safe place for future reference.

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The information in this document is subject to change without notice.

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# 1. INTRODUCTION

This manual provides all the necessary information for the installation, operation, and detailed description of the equipment. Please read it carefully before installation, startup, maintenance, or inspection. Pay special attention to the safety warnings and caution signs included. Keep this manual in a safe place for future reference.

## 2. SAFETY WARNINGS



### CAUTION

We strongly recommend reading this manual thoroughly before proceeding with the installation and operation of these products. Installation, startup, and maintenance must be performed by qualified personnel. Failure to follow the instructions in this manual may result in equipment damage, material loss, severe personal injury, or even death.



### CAUTION

This manual is intended for personnel responsible for the electrical installation, assembly, operation, and maintenance of the equipment. The responsible individual must ensure a safe environment and provide instructions and warnings regarding potential hazards to all personnel present at the site.



### DANGER

Under no circumstances should the equipment be opened or handled without first disconnecting it from the power supply.

The equipment must be properly grounded before startup.

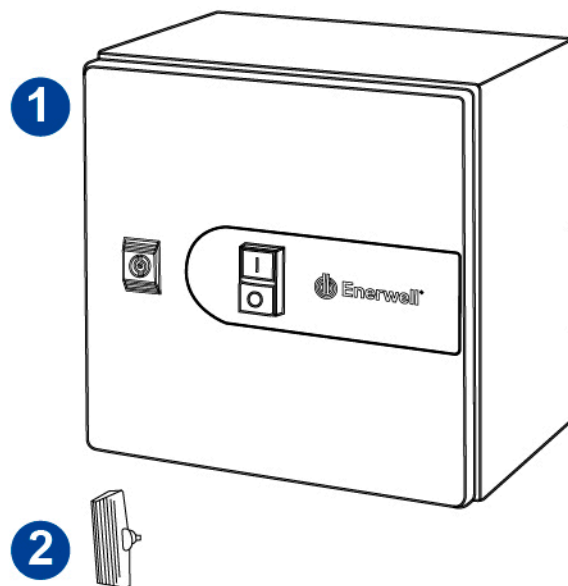
Ensure all electrical components are securely connected.

The mains voltage must be compatible with the rated operating voltage of the electrical components.

Always disconnect the power supply before performing any electrical connection.

### 3. PACKAGING CHECK

- Upon receiving the product, check that all materials are complete, undamaged, and match your order.
- Inspect the product and its accessories for any signs of damage, such as scratches, dents, or cracks.



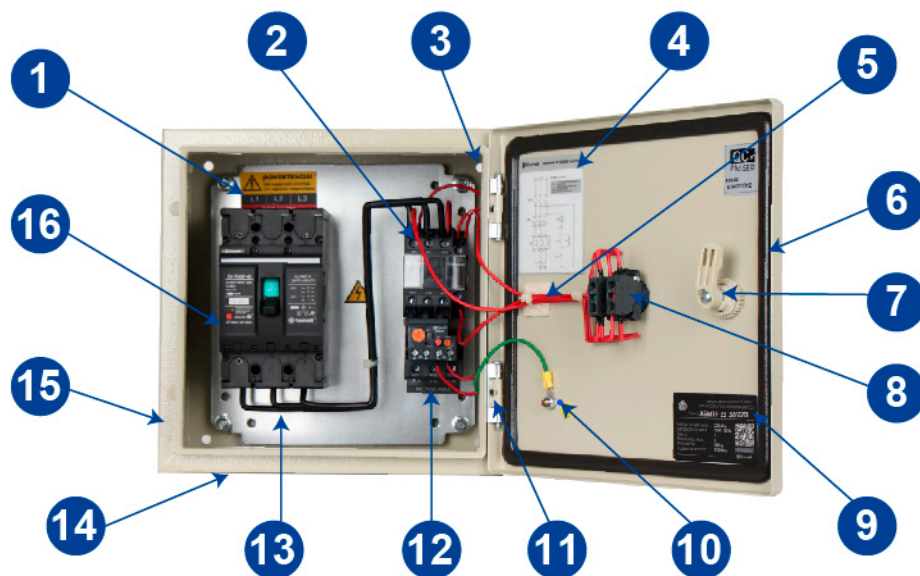
POSITION	DESCRIPTION	QUANTITY
1	FULL VOLTAGE STARTER WITH THERMOMAGNETIC SWITCH	1 piece
2	DETACHABLE SECURITY KEY	1 piece



#### NOTE

If you find damage to the equipment, please contact your authorized dealer.

## 4. DESCRIPTION OF THE STARTER

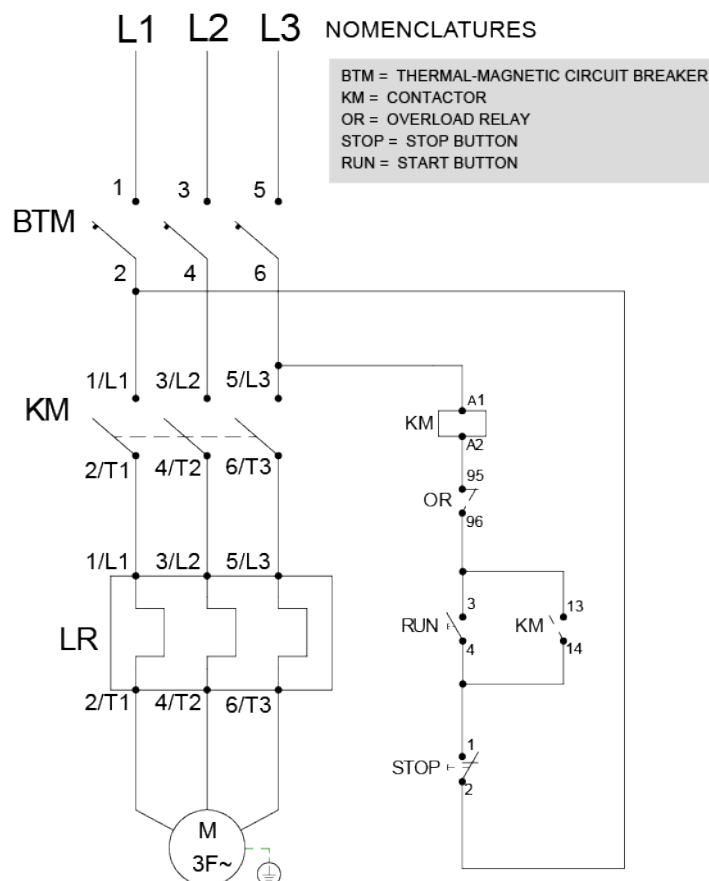


POSITION	DESCRIPTION
1	WARNING AND SAFETY SIGNAGE
2	CONTACTOR
3	WALL MOUNTING HOLE
4	ELECTRICAL DIAGRAM
5	CONTROL CABLING
6	POLYURETHANE PACKAGING FOR HERMETIC SEALING
7	REMOVABLE KEY LOCK
8	BUTTON STATION
9	DATA PLATE
10	GROUNDING TERMINAL
11	METAL HINGES
12	OVERLOAD RELAY
13	POWER WIRING
14	PERFORABLE AND REMOVABLE COVER FOR CABLE ENTRY
15	METAL CABINET WITH MOUNTING PLATE
16	THERMOMAGNETIC SWITCH

## 5. INSTALLATION

- Select a location that is protected from inclement weather, humidity, vibrations, high temperatures, and flammable materials or substances.
- The starter must be mounted on a flat surface in a vertical position, using all four attachment points to ensure stability.
- Allow sufficient space for the proper installation and connection of plumbing systems, as well as for future maintenance.
- After installing the starter, review the electrical diagram before proceeding with the connection.

## 5.1. ELECTRICAL DIAGRAM



## 5.2. WIRING

The starter features semi-die-cut perforations for connection with cable glands or any compatible protective and cabling accessories.



## CAUTION

It is recommended to use cable glands to protect electrical wiring and maintain watertightness.

If required by the installation, a hole may be drilled on the left side to connect the power supply to the thermomagnetic switch. Take proper precautions to avoid damaging any internal components of the starter.

It is advisable to install a thermomagnetic switch before the starter, with a capacity at least 25% greater than the maximum value indicated on the starter's overload relay and in accordance with your installation voltage. This ensures proper and complete disconnection of the electrical network when necessary.

The mains voltage must be compatible with the product specifications and other components, such as the motor.

Identify and connect the power supply lines to the input terminals of the thermomagnetic switch (L1-L2-L3). Select a cable gauge appropriate for the load and wiring distance.

Before connecting the motor, ensure that the maximum current falls within the starter's protection range and that the motor connection cable gauge is adequate. Once verified, connect the motor cables to the overload relay output terminals (T1, T2, T3).

Ground the starter using the designated terminals. Proper grounding of all installation components is essential for safety and compliance.

## 6. START-UP

Before powering on, verify that all electrical connections for both the starter and motor are correct and that there are no loose or faulty connections.

Set the motor's current value on the overload relay, as this will determine the activation threshold for overload protection.

Ensure that the main switch is in the OFF position before energizing the system.

Once all the above checks are completed and the entire installation is ready for operation, proceed to energize the starter.

Using a voltmeter, confirm that the voltage is correct at both the starter and the connected load (motor pump). Ensure that the enclosure door is fully closed.

Press the green (START) button to energize the load.

Pressing the red (STOP) button will interrupt the load voltage.



### CAUTION

Do not press both buttons simultaneously.



## 7. ROUTINE MAINTENANCE

It is recommended to periodically de-energize the equipment and, after confirming that there is no voltage, perform the following maintenance tasks:

Remove dust, dirt, and grease from the starter's surface using a lint-free cloth, brush, or vacuum. Do not use pressurized air, as it may force particles into the interior.

Do not use aerosols, or allow petroleum-based chemicals, solvents, or paints to come into contact with electrical connections, whether inside or outside the switch.

Tighten the component terminals according to the Nm torque specifications indicated for each element.

Inspect the power cable for any damage, such as cracks, marks, or burned copper wiring.

Check that the internal components of the AEWTP-I show no signs of burns or impact damage and that they are securely fastened to the starter.