

EW-V015-220 Voltage Protector



EW-V015-220 Voltage Protector Instructions

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EW

EW-V015-220 Voltage Protector



Product Information

Specifications

- **Model:** EW-V015-220
- **Product:** Voltage Protector
- **Input Voltage:** 220V~50/60Hz
- **Maximum Load Capacity:** Up to 36KBtu
- **Compatible with:** Refrigerators, air conditioners (up to 3HP, 30A), single-phase compressors, and motors

Features

- Normal voltage LED light
- Time delay LED light
- High-voltage LED light
- Low-voltage LED light
- Adjustable high voltage range: 220V to 260VAC
- Adjustable low voltage range: 170V to 210VAC
- On/Off Switch
- Adjustable time delay range: 180 to 300 seconds
- Installable in switch box of 2 x 4 or flat surface
- Removable sections provide convenient access to cable protectors
- Input and output terminals are protected with a cover
- Sealable protective cover with safety holes for sealing

Product Usage Instructions

Installation

1. Ensure the power supply is turned off before installation.
2. Select a suitable location for installation. The protector can be installed in a switch box of size 2 x 4 or on a flat surface.
3. If installing in a switch box, remove the necessary sections to provide access to cable protectors.
4. If installing on a flat surface, use screws to secure the protector directly.
5. Follow the wiring instructions (refer to next section) to connect the protector to the equipment and electrical supply.
6. Once the connections are made, secure the cover on the protector using cable ties through the safety holes.

Wiring

To ensure proper wiring, identify the ground and neutral wires of the equipment and the electrical supply:

- **Ground wire:** Usually green or green with yellow
- **Neutral wire:** Usually black or different from the ground

Make the following connections:

- **Compressor:** Connect to the compressor terminal
- **Transformer:** Connect to the transformer terminal
- **GGTTPP Pressure Switches:** Connect to the appropriate terminals
- **R:** Connect to the R terminal
- **Y:** Connect to the Y terminal
- **Thermostat:** Connect to the G terminal
- **M:** Connect to the M terminal

Frequently Asked Questions (FAQ)

- **Q: What is the maximum load capacity of this voltage protector?**

A: The voltage protector can handle equipment up to 3HP, 30A.

- **Q: Can I adjust the voltage range for high and low voltage detection?**

A: Yes, the voltage range can be adjusted. The high voltage range can be set between 220V to 260VAC, and the low voltage range can be set between 170V to 210VAC.

- **Q: How long is the time delay range?**

A: The time delay range is adjustable between 180 to 300 seconds.

- **Q: Can I install the voltage protector in a switch box or on a flat surface?**

A: Yes, the voltage protector can be installed in a switch box of size 2 x 4 or on a flat surface.

- **Q: How do I secure the cover on the protector?**

A: You can secure the cover using cable ties through the safety holes provided on the cover.

Heavy-duty protector for refrigerators and air conditioners up to 36KBtu, as well as for single-phase compressors and motors.

Functions

- **High voltage detection:**

If the voltage is higher than the adjusted maximum, the high-voltage LED light will turn on and the equipment will stay off.

- **Low voltage detection:**

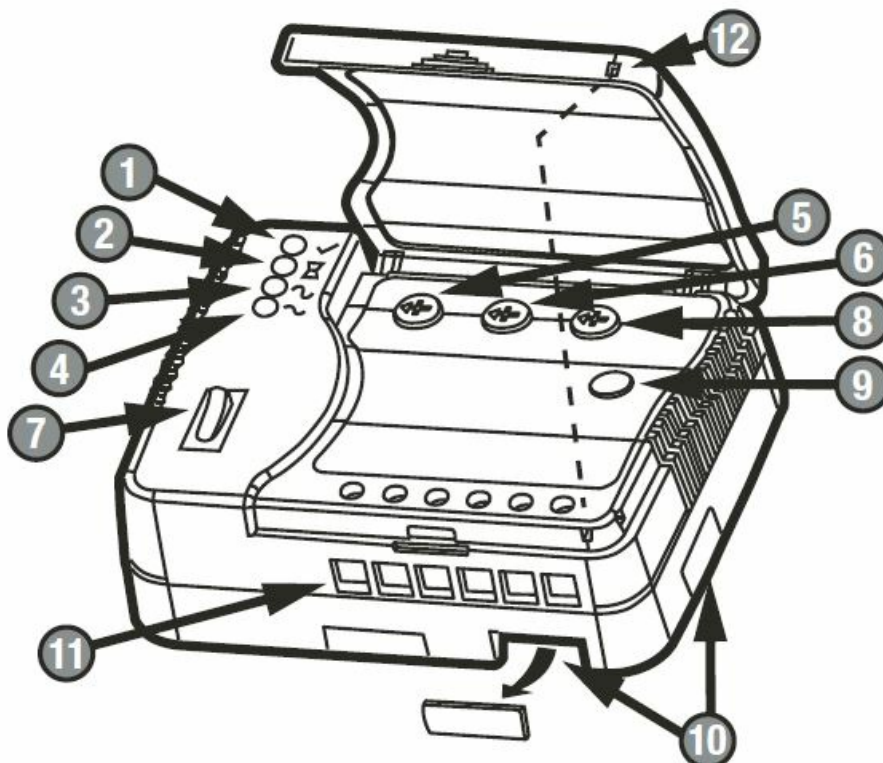
If the voltage is lower than the adjusted minimum, the low-voltage LED light will turn on and the equipment will stay off.

- **Normal voltage detection:**

If the voltage is between the adjusted maximal and minimal range, the time delay LED light will turn on, and then the normal voltage LED light will turn on followed by the equipment.

Features

1. Normal voltage led light.
2. Time delay led light.
3. High voltage LED light.
4. Low voltage LED light.
5. Adjustable high voltage from 220 to 260VAC.
6. Adjustable low voltage from 170 to 210VAC.
7. On/Off Switch.
8. Adjustable time delay from 180 to 300 sec.
9. Installable in switch box of 2" x 4" or flat surface.
10. Removable sections provide convenient access for cable protectors.
11. Input and output terminals are protected with a cover.
12. Sealable protective cover.



Capacity:

For equipments up to 3HP, 30A.

Installation

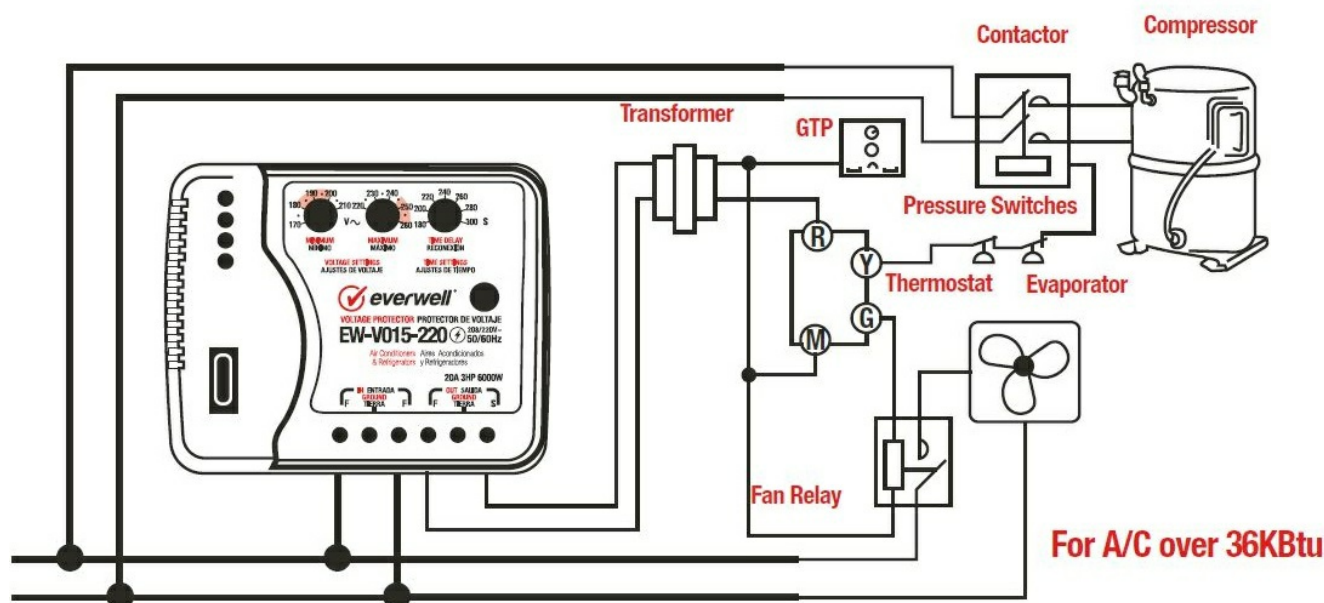
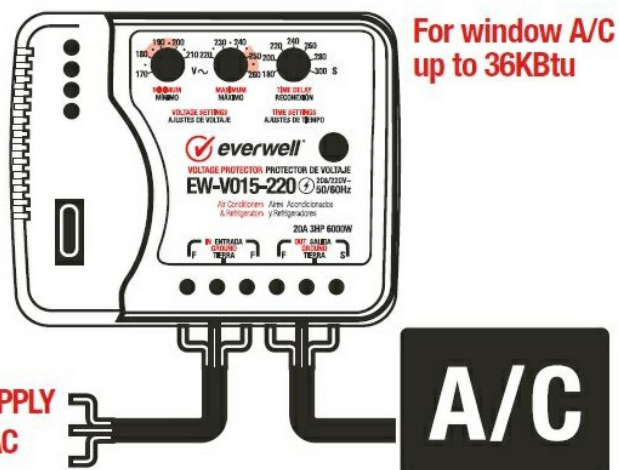
- Turn off the power supply
- Select the surface where the protector will be installed; if needed it can be screwed directly over a 2"x4" control box.
- Following the guide for fixing screws, make the holes.
- Fix and screw the EW-V015-220.
- Connect the in and out wires (see wiring instructions on the next page).
- Select the allowed operation levels adjusting the knobs for maximum and minimum voltage and time delay inside the suggested range, following the manufacturing recommendations.
- Restore the electrical supply.
- Turn on the protector.
- For a few seconds, the protector will indicate low voltage, and then the time delay will start. Once the adjusted time delay passed, the normal voltage LED light will turn on and the equipment will be powered.
- If needed to prevent the handling of connections and adjustments, secure the holes on the cover with cable ties.

Wiring

Verify a good connection by identifying ground and neutral wires of the equipment and the electrical supply.

- **T=** (Ground) green or green with yellow
- **F=** (Phase input) black or different from ground
- **S=** (Phase output) black or different from ground

CONNECTION CHART



Technical specifications

- **Nominal voltage:** 208/220VAC 50/60Hz.
- **Minimum voltage:** 170-220VAC.
- **Maximum voltage:** 220-260VAC.
- **Time delay:** 180-300 sec
- **Failure detection time:** 3 sec
- **Maximum load:** 3.0HP, 30A, 6000W
- **Operation Temp:** -5°C to 55°C, 23°F to 131°F.
- **Maximum operation humidity:** 85% H.R.
- **Weight:** 202gr/0.45lb.
- **Dimensions:** 12,2 cm wide x 9,9 cm height x 3,8 cm deep.



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EW-V015-220 Voltage Protector, EW-V015-220, Voltage Protector, Protector

References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

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