

## MT-CTX-480V-1KVA-230V

**1 kVA Control Transformer - 480V Input Voltage - 230V Output Voltage -**  
**Product ID: 281395**



Image: MT-CTX-480V-1KVA-230V

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

### **MT-CTX-480V-1KVA-230V Control Transformer**

**Phase:** Single Phase  
**Frequency:** 50/60 Hz  
**kVA:** 1 kVA  
**Primary Voltage:** 480V  
**Primary Connection:** Series (V)  
**Primary FCAN (Std.):** 0 x 0%  
**Primary FCBN (Std.):** 0 x 0%  
**Secondary Voltage:** 230V  
**Secondary Connection:** Parallel x Series (Vx2V)  
**Material:** Copper  
**Primary Termination:** Terminal Block  
**Secondary Termination:** Terminal Block  
**Insulation:** 130°C  
**Temperature Rise:** 80°C  
**Enclosure Material:** Injection Molded Cover  
**Mounting:** Heavy Steel Feet  
**Dimensions:** 8.13"D x 6.38"W x 6.00"H  
**Weight:** 34.9 lb

### **Approvals/Ratings**

Listing: UL Listed  
Approved for US and Canada  
CE Mark Standard  
RoHS Compliant  
EN61558-2-2  
CSA 22.2 NO 66.1; CSA 22.2 NO 66.2  
UL 5085-1; UL 5085-2

### **Special Orders - Special Requirements**

Contact us for special requirements  
**Toll Free:** 1-800-369-6671  
**Intl:** 1-903-270-1187  
**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

The MT-CTX-480V-1KVA-230V from Larson Electronics is a 480V Single Phase Control Transformer that is powerful, reliable and innovatively designed. With high-quality silicon steel laminations providing optimal performance, the MT-CTX-480V-1KVA-230V

provides increased reliability and protection against critical equipment failures. This control transformer features an innovative design with a unique terminal block design that allows for a quick and easy hook up along with the ability to easily install fuse clips to the unit. The uniquely designed molded coil covers give this control transformer superior cooling abilities and a sleek appearance.

**Transformer Features:** With a transformer rating of 1 kVA, the MT-CTX-480V-1KVA-230V is a machine tool industrial single phase control transformer with a primary voltage of 480V. It also provides a secondary voltage of 230V. Featuring compact and innovative construction, this unit's cores are manufactured with high-quality silicon steel laminations using state of the art technology.

This unit boasts an innovative terminal block design that allows for easy hookup. Connecting this unit is a simple task thanks to the terminal connection numbers being molded into the terminal block which corresponds to the nameplate and wiring diagrams. A unique fin-shaped, injection molded coil cover gives this unit superior cooling abilities. The unit also features a 130°C insulation class with a 80°C temperature rise.

**Benefits:** The MT-CTX-480V-1KVA-230V control transformer offers many benefits to the consumer. Full encapsulation of the windings and internal terminations ensures that the unit is protected from moisture, dirt, dust and other contaminants. Removeable finger safe terminal covers contribute towards the overall clean and sleek look of the unit. The compact and innovative design features make this a great choice for industrial tool applications.

This control transformer has heavy steel mounting feet that are either welded or bolted to the core. This transformer features terminal block terminations.

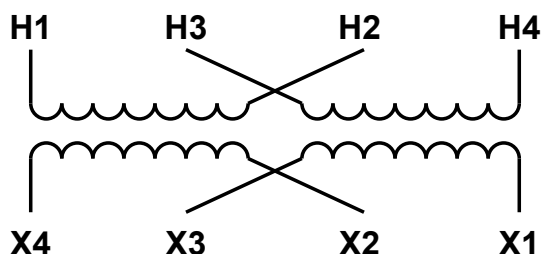
**Applications:** Power Managment, Industrial

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) to discuss your specific requirements.

## Wiring Diagram

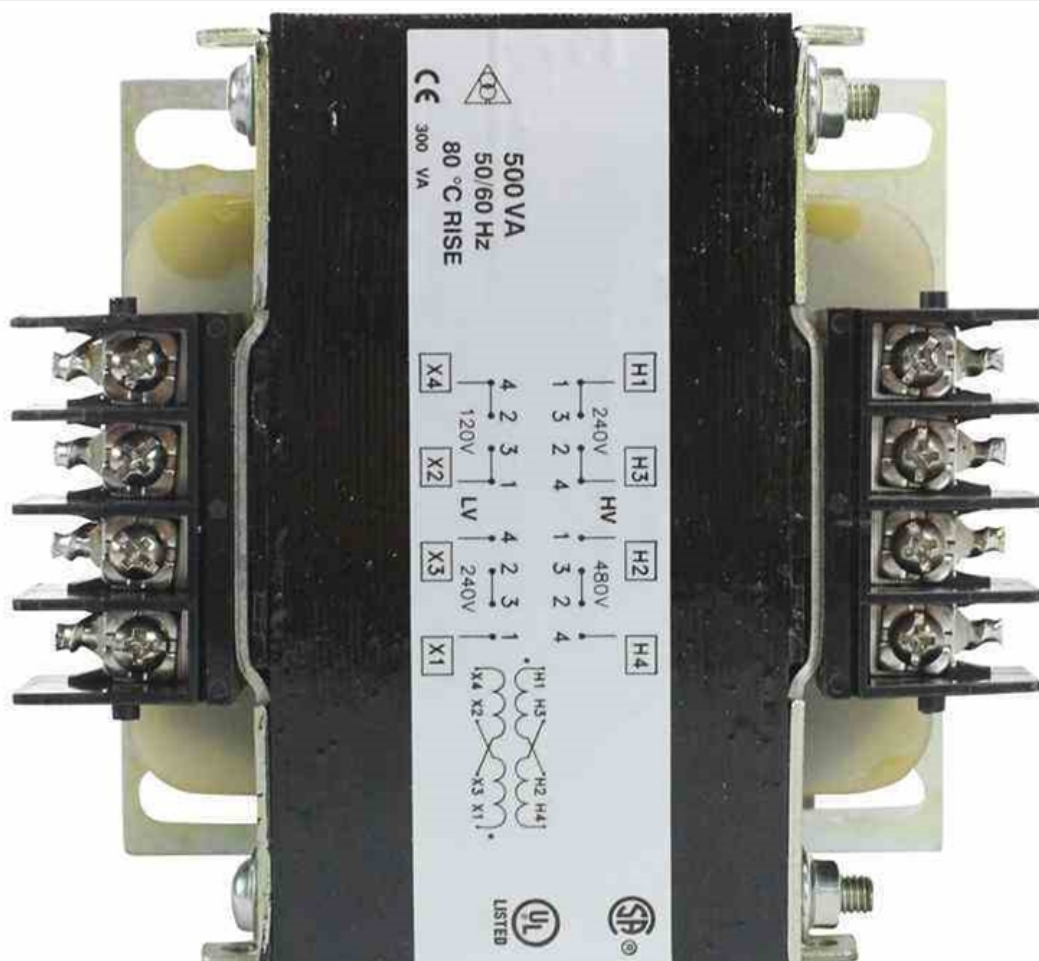
**WARNING:** DO NOT SERVICE WHILE ENERGIZED!

### MT-CTX-480V-1KVA-230V



| Primary Volts | Connect Lines To | Inter-connect |
|---------------|------------------|---------------|
| 480           | H1-H4            | H3-H2         |
| 240           | H1-H4            | H1-H3, H2-H4  |

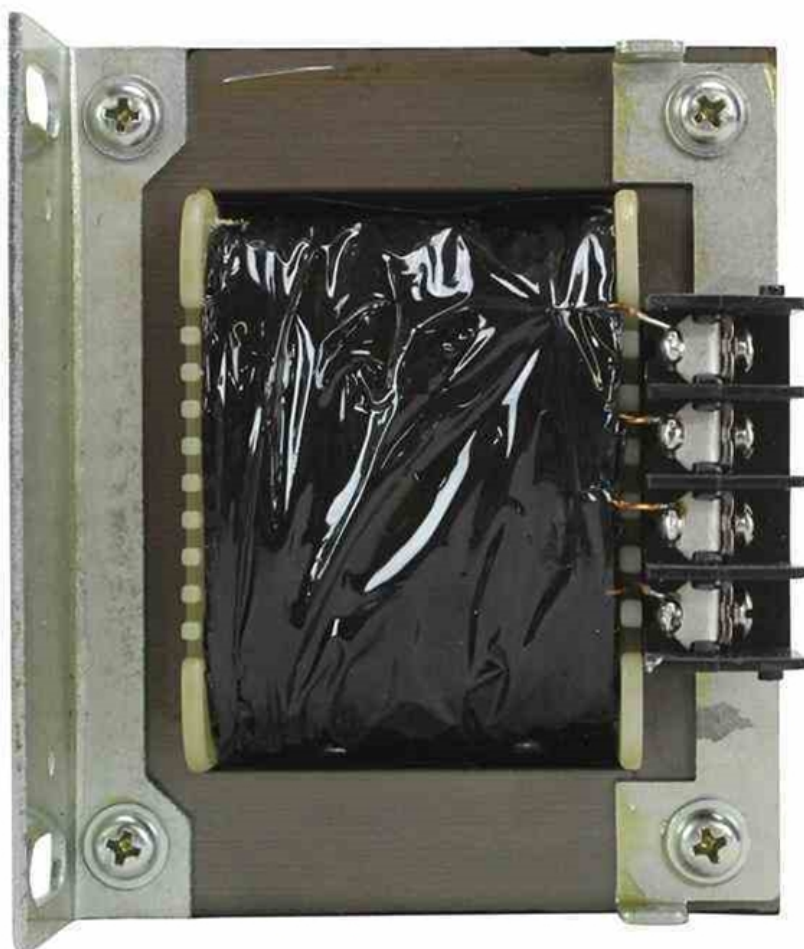
| Secondary Volts | Connect Lines To | Inter-connect |
|-----------------|------------------|---------------|
| 230             | X1-X4            | X3-X2         |
| 120             | X1-X4            | X1-X3, X2-X4  |



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## Frequently Asked Questions (FAQ)

There are no Faqs