

Table of Contents

Table of Contents Page 1
 Approvals Page 1
 Attention Page 1
 Specification Page 2
 Dimensions Page 3
 Trouble Shooting Page 3
 Installation and Wiring Instructions Page 3



Approvals



CSA Certified:
 Allanson CSA File # L744Z
 CSA 22.2 No. 13
 UL 506

Attention



The installation and maintenance of this product must be done under the supervision of an experienced and trained specialist. Never perform work if gas pressure or power is applied, or in the presence of an open flame.



On completion of installation on the Ignition Transformer, perform a function test.



Please read the instruction before installing or operating. Keep the instruction in a safe place. You find the instruction also at www.dungs.com. If these instructions are not heeded, the result may be personal injury or damage to property.



This product is intended for installations covered by but not limited to NFPA 70, NFPA 79, NFPA 85, NFPA 86, UL 795, CSD-1, ANSI Z83.4, ANSI Z83.18, ANSI Z21.13, and CSA B149.3.

Explanation of symbols

- 1, 2, 3 ... = Action
- = Instruction

Specification

This transformer is intended for industrial or commercial heating applications that use a 6000 VAC input spark ignitor to ignite fuel at a burner. This product is an internally grounded, single pole electrode type ignition transformer.

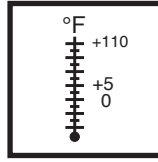


Electrical Input Rating Available/VA
 120 VAC/50-60 Hz (+10%; -15%)
 240 VAC/60Hz (+10%; -15%)
 240 VAC/50 Hz (+10%; -15%)

Amperage

Operation: 1.5 A input on the primary. Inrush current for first 250 milliseconds:

- 1) 8 A on first start (new out of the box)
- 2) 3 A on every start thereafter.



Ambient and Surface Mounting Temperature

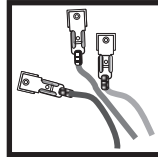
+5 °F to +110 °F (-15 °C to +40 °C)

Shipping Weight

10 lbs

Grounding

This transformer is a signal electrode type and the primary is internally grounded. If a separate primary ground wire is required, contact Karl Dungs for different models.



Mounting Position

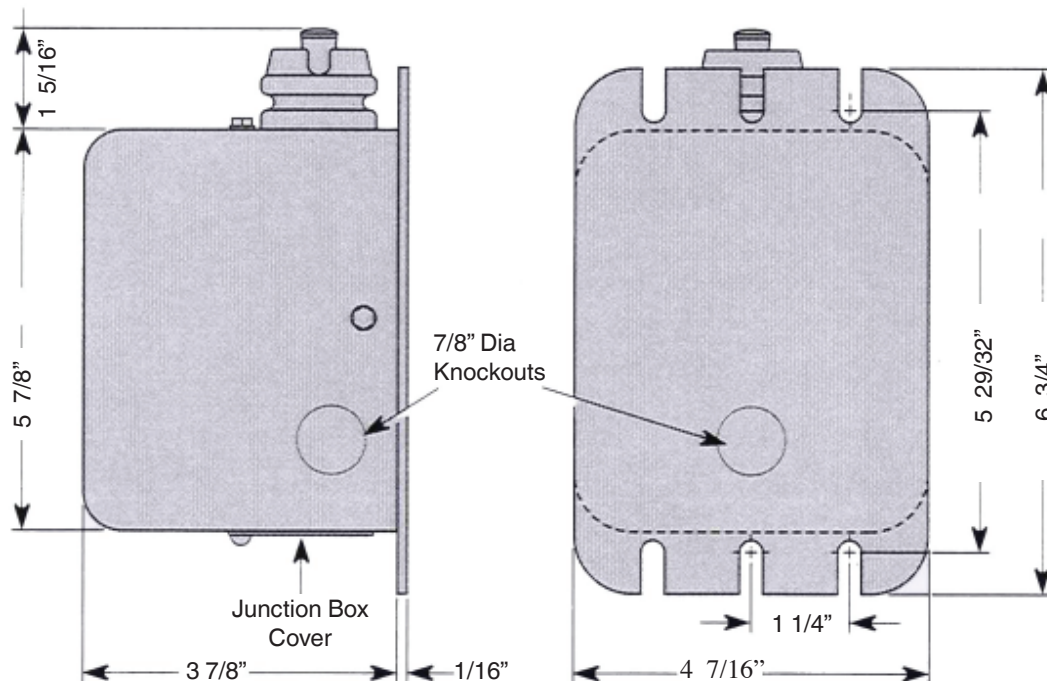
Any

Electrical Connection on Primary
 Leads with 1/2" opening for locknut.

Part Number	Primary Voltage	Secondary Voltage	Allanson Type	Input Current +/- 15 % @ 50 Hz	Input Current +/- 15 % @ 60 Hz
267344	120 V / 50 - 60 Hz	6,000 VAC	1092-S	1.60	0.50
267343	240 V / 60 Hz	6,000 VAC	1112-S	0.60*	0.25
267342	240 V / 50 Hz	6,000 VAC	1196-S	0.40	0.20*

*Not recommended for operation at this frequency. The transformer may overheat, which will decrease the transformer's life.

Dimensions



Trouble Shooting

- Resistance across L1 and L2 should be 2.5 Ohms.

Installation and Wiring Instructions

- Remove the protective paper on top of the transformer.
- Use UL Recognized GTO ignition cable or wire rated for the continuous output voltage of the transformer.
- The secondary ignition GTO wire must not exceed 8 ft. Otherwise, there will be too much resistance, and the transformer will overheat.
- The spark gap must be between 1/8" to 3/16".
- Connect the primary leads on the transformer to L1 and L2. Either lead can be L1 or L2, however, reversing the wires can sometimes reduce noise.
- Use GTO wire to connect the secondary to a spark ignitor.
- The transformer must be grounded. Mount and secure the transformer to a properly grounded metal surface.

⚠ Do not ground the secondary using a ground wire. The secondary requires only one wire, which is connected to a spark ignitor.

⚠ The ignition transformer requires natural ventilation for cooling. Do not cover the transformer, and do not have any walls within one-half foot of the transformer. This does not apply to the mounting surface.

⚠ Do not use a 240/60 Hz rated transformer on 240/50 Hz. The transformer will overheat, which will decrease the transformer's life.

⚠ Do not wrap the GTO wire around the insulator on the secondary, and do not bundle the GTO wire together. This causes additional capacitance.

We reserve the right to make modifications in the course of technical development.

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