



# Indoor/Outdoor Voltage Transformer

## Model JVA-0C, 10 kV BIL, 600 V



**Application**  
 Designed for indoor and outdoor service; suitable for operating meters, instruments, relays and control devices.

**Thermal Rating (Volt-Amperes)**  
 55 °C Rise above 30 °C Ambient .....500VA  
 30 °C Rise above 55 °C Ambient .....300VA

**Weight**  
 (approximate)  
 Unfused .....19 lbs

**Reference Drawings**  
 Outline: .....0122C34133

**Frequency**  
 50/60 Hz

**Notes:**

Circuit Line to Line Voltage Permissible			Transformer Rating <sup>(3)</sup>		Accuracy Classification, 60 HZ				Catalog Number			
					Burden <sup>(1)</sup>		Burden <sup>(2)</sup>		Unfused	Indoor Use Only		
$\Delta^{(1)}$	$\Upsilon^{(2)}$	$\Upsilon^{(4)}$	Primary Voltage	Ratio	W, X, M	Y	W	X			One Primary	Two Primary
120	120	208	120	1:1	0.3	0.6	0.3	0.6	760X134001	760X134064	760X134022	10A
240	240	416	240	2:1	0.3	0.6	0.3	0.6	760X134002	760X134065	760X134023	6A
--	--	480	288	2.4:1	0.3	0.6	---	---	760X134004	760X134067	760X134025	6A
--	--	480	300	2.5:1	0.3	0.6	---	---	760X134005	760X134068	760X134026	6A
480	480	--	480	4:1	0.3	0.6	0.3	0.6	760X134006	760X134069	760X134027	3A
600	600	--	600	5:1	0.3	0.6	0.3	0.6	760X134007	760X134070	760X134028	3A

- (1) Operated at rated voltage; secondary at 120 V.
- (2) Operated at 58% of rated voltage; secondary at 69.3 V.
- (3) For continuous operation, the transformer rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating.
- (4) For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.

### Construction and Insulation

The core and coil are placed in a plastic shell made from GE Valox and encapsulated in a polyurethane.

### Core & Coil

The primary and secondary coils are precision wound on an insulated spool. Once the coils are wound, a distributed gap, grain oriented silicone steel core is positioned through the center of and around the outside of this combined coil.

### Primary Terminals

These compression terminals, identified as H1 and H2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

### Secondary Terminals

These compression terminals, identified as X1 and X2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

### Nameplate

The nameplate is laser engraved aluminum. It is mounted on the top of the transformer. Provision is made for attaching the user's identifying tag.

### Cover

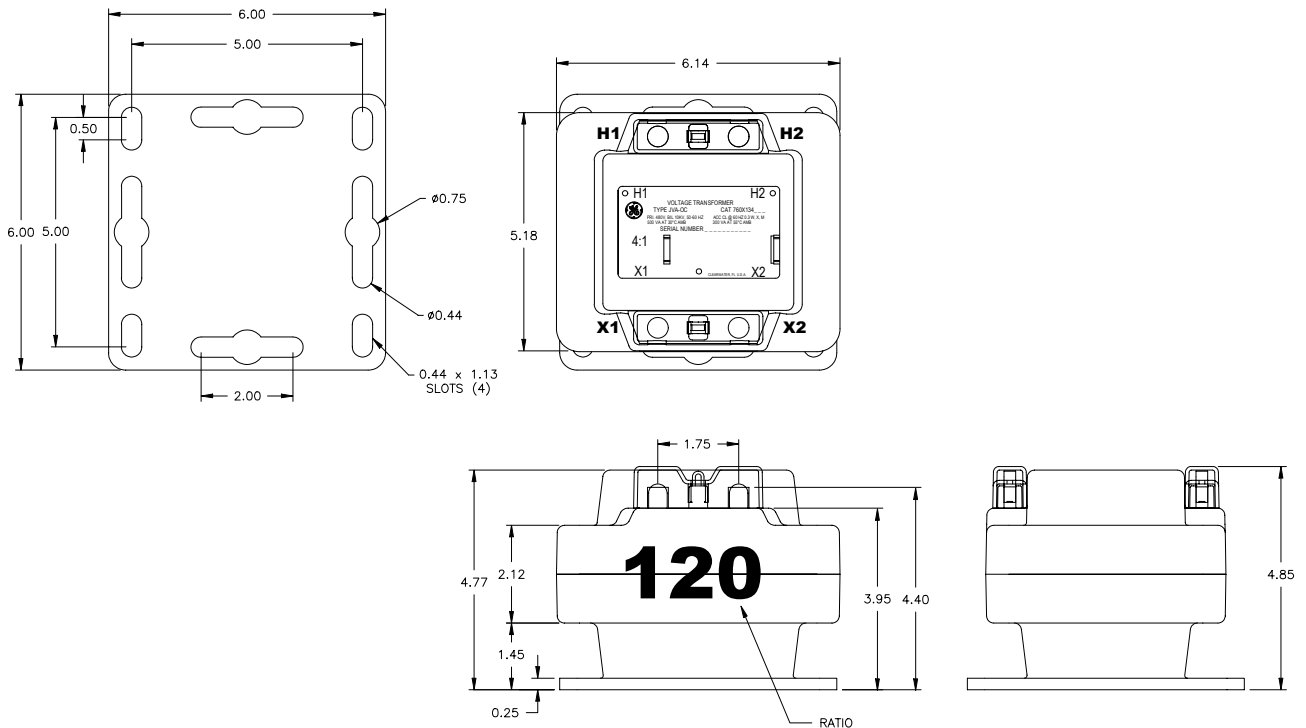
A transparent, plastic terminal cover is furnished over the primary and secondary terminals. This cover provides a safe means of observing the electrical connections without requiring its removal.

### Maintenance

These transformers require no maintenance, other than occasional cleaning.

*Data subject to change without notice*

To purchase or obtain more information about GE Instrument Transformer products, please call GE's Charlotte Service Center at 1-800-431-7867. Product information is also available on our web site at <http://www.GEIndustrial.com>. Click on the Product Index button (right column), select Transformers and follow the menus to **Product Information** or a **Solutions Advisor**



**JVA-0C Dimensions**

