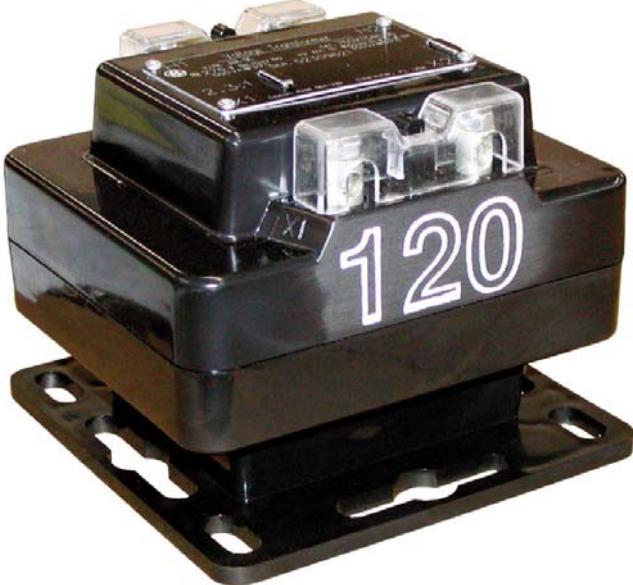


# Indoor/Outdoor Voltage Transformer

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



### 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 .....	500 VA
30°C Rise above 55°C Ambient .....	300 VA

WEIGHT (Approximate) Unfused .....	16.5 lbs
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### REFERENCE DRAWINGS

Outline .....	0122C34133
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### FREQUENCY

50/60 Hz

JVA-0C DATA TABLE								
Circuit Line to Line Voltage Permissible			Transformer Rating <sup>[3]</sup>		ANSI Accuracy Classification 60 Hz		Catalog Number	Recommended Primary Fuse Rating
			Burden <sup>[1]</sup>	Burden <sup>[2]</sup>	W,X,M	Y		
△ <sup>[1]</sup>	Y <sup>[2]</sup>	Y <sup>[4]</sup>	Primary Voltage	Ratio	W	X		Amps
120	120	208	120	1:1	0.3	0.6	760X134001	10.0
240	240	416	240	2:1	0.3	0.6	760X134002	6.0
---	---	480	288	2.4:1	0.3	0.6	760X134004	6.0
---	---	480	300	2.5:1	0.3	0.6	760X134005	6.0
480	480	---	480	4:1	0.3	0.6	760X134006	3.0
600	600	---	600	5:1	0.3	0.6	760X134007	3.0

Notes:

- (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 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.

## **Nameplates**

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.

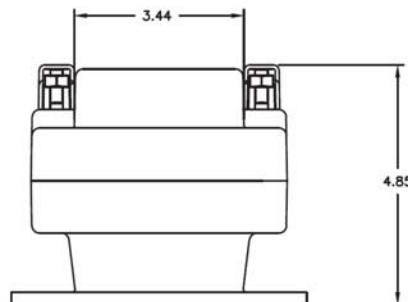
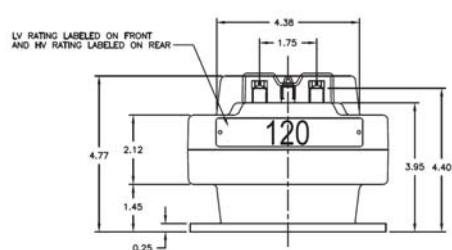
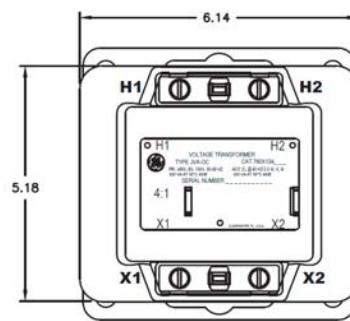
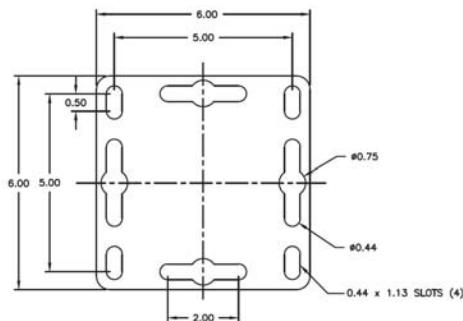
## **Cover**

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



JVA-0C Dimensions